

Expert coaching catalog

Boost your productivity & master advanced workflows to deliver exceptional project outcomes.



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Expert coaching catalog

Unlock the full potential of your Autodesk software and upskill your teams with personalized coaching from Autodesk experts, tailored to your business needs. Choose from 200+ topics in your local language.*

Expert coaching for products

Learn efficient, business-relevant workflows directly from Autodesk experts through live sessions, demos, and Q&As.



Ideal for technology managers and software end users seeking to enhance productivity through tailored workflow guidance.

[See available topics](#)

Expert coaching for IT

Receive expert guidance to optimize your Autodesk environment—improving system performance and the end user experience.



Ideal for IT administrators managing Autodesk environments who want to improve system performance and support user success.

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Expert coaching for products

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Learn efficient, business-relevant workflows directly from Autodesk experts through live sessions, demos, and Q&As.

3 3ds Max

A Alias

A AutoCAD

A AutoCAD Electrical

A AutoCAD Mechanical

A AutoCAD Plant 3D


 **AUTODESK**
Platform Services

C BIM Collaborate

C **AUTODESK**
CFD

C Civil 3D

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3 3ds Max

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Review the available coaching topics below and click the hyperlinks to view full session details

Topic	Description
Optimizing CAD data for visualization	Learn how to make data visualization easier by analyzing the contents of your scene and applying different optimization methods.
Visualizing Inventor CAD data with 3ds Max and Arnold	Learn about the best approach to visualize CAD data from Inventor.
Visualizing Revit models in 3ds Max	Learn how to quickly create beautiful renderings of Revit models in 3ds Max using the Arnold Renderer.

Review the available coaching topics below and click the hyperlinks to view full session details

Topic	Description
Advanced SUBD modeling in Alias	Build on the principles learned in Intro to SubD modeling.
Introduction to Sub-D Modeling in Alias	Understand the Sub-D toolset in Alias and the workflows needed to quickly create Sub-D concept models.

Review the available coaching topics below and click the hyperlinks to view full session details

Topic	Description
AutoCAD graphics improvements	Understand what graphical improvements you will benefit from by updating to a newer version of AutoCAD.
AutoCAD sheet set manager for desktop & web	Learn how to create and manage sheet sets, automate title blocks and numbering, and easily publish complete drawing packages.
AutoCAD user interface enhancements	Learn how the AutoCAD User Interface has evolved to increase efficiency and improve the user experience.
Customize AutoCAD annotations and styles	Learn how to build and manage annotation styles and apply best practices for annotative drawings across projects.
Design productivity enhancements in AutoCAD	Learn how to take advantage of the latest features in AutoCAD which have been designed to automate key design processes.
How to improve design review efficiency in AutoCAD	Learn how to take advantage of the latest features in AutoCAD which have been designed to streamline the design review process.
How to modernize collaboration when using AutoCAD	Achieve better collaboration with both internal and external stakeholders by adopting the latest collaboration tools within AutoCAD.
Manage AutoCAD drawings in Vault	Learn how to efficiently manage, track, and collaborate on AutoCAD drawings using Autodesk Vault.
Understand AutoCAD AI / ML features	Learn to use built-in AI tools like My Insights, Markup Assist, and Smart Blocks to automate repetitive tasks and improve accuracy.
Working with standards in AutoCAD	Learn how to set the standards everyone should follow for consistency between projects.



Review the available coaching topics below and click the hyperlinks to view full session details

Topic	Description
Auto reports and customization in AutoCAD Electrical	Learn how to automate report generation in AutoCAD Electrical, including BOMs, wire lists, and terminal plans.
AutoCAD Electrical project handling in Vault	Learn how Vault works with AutoCAD Elec to keep your project data organized, version-controlled, and easy to collaborate on.
Design with AutoCAD Electrical and Inventor	Learn how to use AutoCAD Electrical for electrical schematics and Inventor for 3D mechanical design for an Electro-Mechanical project.
Introduction to AutoCAD Electrical	Learn core features and workflows of AutoCAD Electrical, enabling you to efficiently create and manage electrical system drawings.
Introduction to the Circuit Builder	Circuit Builder is a powerful AutoCAD Electrical tool that enhances electrical design by offering pre-built circuits and automation capabilities.
Working with AutoCAD Electrical in ACC	Learn how to use AutoCAD Electrical with ACC to keep your project files organized, up to date, and easy to share.

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Topic	Description
Design with AutoCAD Mechanical component libraries	Introduction to AutoCAD Mechanical's content libraries and best practices.
Efficient design using AutoCAD Mechanical	Best practices for using Powertools within AutoCAD Mechanical.
Factory design with AutoCAD Mechanical	Learn how to use AutoCAD Mechanical to build accurate 2D layouts, then connect them to 3D models using Factory Design Utilities.
Introduction to AutoCAD Mechanical	Get familiar with the functionalities and benefits offered by the AutoCAD Mechanical toolset.
Manage BOM with ease in AutoCAD Mechanical	Learn how to work with BOMs and best practices for designing assemblies in AutoCAD Mechanical.
Managing company standards in AutoCAD Mechanical	Introduction to AutoCAD Mechanicals standards based approach and best practices.



Review the available coaching topics below and click the hyperlinks to view full session details

Topic	Description
Collaboration of Plant 3D with Autodesk Construction Cloud/BIM360	Discover how Plant 3D projects can be made cloud powered. Share and manage Plant 3D projects on cloud platforms like BIM 360 and Autodesk Construction Cloud.
Coordination challenges in Plant 3D and Revit	Learn to work in Plant 3D and Revit when models are shared between the tools. Overcome challenges related to coordinates differences.
Interoperability of Specifications-P&ID-Plant 3D	Get an overview of the interoperability of Specs with P&ID data and interoperability of P&ID data with Plant 3D and data validation.
Introduction to AutoCAD Plant 3D	Get an overview of the capabilities of AutoCAD Plant 3D.
Introduction to AutoCAD Plant 3D project setup	Start new projects with AutoCAD Plant 3D including planning, training, and administration.
Introduction to global work sharing with Plant 3D	Get familiar with the collaboration features of AutoCAD Plant 3D and workflows for projects teams in distributed locations.
Isometric and Ortho DWG settings in project setup.	Get a detailed look at Isometric DWG settings and Ortho DWG settings in project setup.
Isometrics setup in Plant 3D	Learn how to set up the generation of isometric drawings in AutoCAD Plant 3D.
P&ID DWG settings in project setup	Get a detailed look at P&ID DWG settings in project setup.



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Topic	Description
Plant 3D DWG settings in project setup	Get a detailed look at Plant 3D DWG setting in project setup.
Use specifications and catalogs in Plant 3D	Get an overview of working with specifications and catalogs in Plant 3D. Learn how to create or modify catalog items and use them in project specifications.
Work with equipment in Plant 3D	Get an overview of how to create or modify equipment in Plant 3D.
Work with the Report Creator tool	Discover Report Creator Tool which is a part of Plant 3D Portfolio. Create and customize complex reports.

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Topic	Description
Autodesk Platform Services for manufacturing	Use Autodesk Platform Services APIs in the manufacturing space, and transition automation from desktop CAD to the cloud.
Build a digital product catalog in Autodesk Platform Services	Learn to build a proof of concept web application for publishing CAD models to a digital product catalog.
Explore Vault data API and its applications	Explore the functionalities and features of Vault Data API to address integration challenges and enhance workflows.
Introduction to ACC Insights and Data Connector	Learn the capabilities of the ACC insights module and how it brings insights quickly.
Introduction to Autodesk Construction Cloud APIs	Learn about the Autodesk Construction Cloud(ACC) APIs that are provided by Autodesk to create and automate custom workflows in ACC.
Introduction to Autodesk Platform Services	Get familiar with functionalities of Autodesk Platform Services, what tools are required to use it, and how to set up a team for APS application development.
Manage data with Autodesk Platform Services	Set up Autodesk Platform Services and develop applications using the authentication, data management, and Autodesk Construction Cloud/BIM 360 APIs.
The AEC data model and its applications	Learn the capabilities of the AEC data model and how it is used to interact directly with granular design data in the cloud.
Use APS APIs in No Code platforms (Autodesk Construction Cloud Connect)	Discover the capabilities of Autodesk Construction Cloud (ACC) Connect, and integrate the Autodesk Platform Services APIs to automate workflows.
Use Autodesk Platform Services to translate and view models online	Learn how to translate design files into viewer-friendly formats using the Model Derivative API, and display them in a web application with the Viewer API.



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Topic	Description
Advanced collaboration in BIM Collaborate Pro	Explore aggregated project model navigation for effective collaboration in BIM Collaborate Pro.
Best practices in BIM Collaborate Pro	Explore Revit Cloud Worksharing overview, linking strategies, collaboration methods, and model maintenance.
Bridge for Revit cloud linking	Focus on setting up Revit cloud linking using ACC Bridge and explore best practices.
Clash management with Revit and Model Coordination	Learn to manage clashes in ACC Model Coordination by creating, assigning, and monitoring clashes and issues.
Comment on and markup designs in ACC	Learn how to create markups, create issues, review issues and markups, and use issues and markups to communicate with teams.
How to set up a Civil 3D project in ACC	Learn how to set up Civil 3D projects in ACC, define roles and responsibilities, and migrate existing projects to the cloud.
How to set up Model Coordination in the cloud	Understand coordination spaces, Revit view setup for Model Coordination, manage clashes, create views, and assign issues.
How to start and administer a project in ACC	Learn about admin roles and entitlements for managing projects in ACC.
How to use Civil 3D data references in ACC	Learn to collaborate in BIM Collaborate Pro and manage Civil 3D data with references, shortcuts, and best practices.
Introduction to ACC Model Coordination	Learn to use ACC Model Coordination, set up coordination environments, review and assign clashes, and access project data.
Introduction to design collaboration in ACC	Get familiar with Design Collaboration in BIM Collaborate Pro and understand how to get started.



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Topic	Description
Navisworks & Revit Issues Add-in for Model Coordination	Learn to effectively sync ACC Model Coordination with authoring tools and navigate the Issues Add-in in Navisworks and Revit.
Revit collaboration in BIM Collaborate Pro	Learn how to upload, link, and publish Revit models to cloud projects and make data available in the Design Collaboration module.
Share models using Autodesk BIM Collaborate	Learn how to share project models with other teams using Autodesk BIM Collaborate.

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Topic	Description
CFD Advance Mesh settings	A comprehensive understanding of advanced meshing settings in Autodesk CFD, helping users enhance their mesh quality and efficiency.
Data Center design using Autodesk CFD	Learn how to perform a CFD analysis over Data Centers and obtain the best configuration of your Data Center.
How to design for safer air quality	Learn how to identify areas of risk in buildings and explore mitigation strategies for occupant safety using Autodesk CFD.
Introduction to Computational Fluid Dynamics (CFD)	Get familiar with Autodesk CFD workflows.
Leveraging Autodesk CFD for Valve Design	Learn how Autodesk CFD helps with Flow Management in Valves.
Results and Visualization in Autodesk CFD	Get familiar with various types of results in Autodesk CFD and validate your products better.
Scalar Analysis using Autodesk CFD	Learn to perform scalar analysis for mixing fluids using Autodesk CFD.

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Topic	Description
Automate grading tasks using Civil 3D grading optimization	Assess grading designs based on project constraints, determine the best solution, and return the optimized grading plan to Civil 3D.
Best practices for using Civil 3D in Autodesk Construction Cloud	Best practices for using Civil 3D with Autodesk Construction Cloud.
Collaboration for Civil 3D using ACC	Use collaboration features for Civil 3D within Autodesk Construction Cloud, such as DataShortcuts, Design Collaboration and Civil 3D tools.
Enhance BIM data in Civil 3D using property set styles	Add user-defined information to your Civil 3D Model and manage that data in your expanded workflows.
How to analyze gravity pipe network in Civil 3D	Do quick analysis of a storm network in Civil 3D. Analyze pipe sizing, inlet sizing and surcharge
How to manage the pressure part catalog in Civil 3D	Create and modify the pressure network part catalog using content catalog editor.
How to set up AEC projects in Civil 3D	Use purpose driven drawing templates. Understand the data management practices for efficient drawing performance and collaboration.
How to set up Civil 3D for AEC projects	Use project structures, the Civil 3D object catalog, data management best practices.
Introduction to Civil 3D roadway design	Learn how to create a corridor in Civil 3D using alignments, profiles and assemblies for a roadway project.
Introduction to Civil 3D Subassembly Composer	Learn Autodesk Civil 3D workflows for managing complex corridor geometry with Subassembly Composer (SAC).

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Topic	Description
Introduction to Civil DataShortcuts	Use DataShortcuts in Civil 3D for efficient collaboration.
Introduction to gravity pipe network in Civil 3d	Learn to create gravity pipe network for different types of utilities. Learn methods of network creation.
Introduction to intersections wizard in Civil 3D	Use the intersections creation wizard in Civil 3D to create intersections, junctions and roundabouts that comply to design standards.
Introduction to part builder in Civil 3D	Create and modify the gravity pipe network catalog, pipes and structures of different material, shapes and sizes.
Introduction to pressure pipe network in Civil 3D	Create pressure pipe network using different methods.
Introduction to project explorer for Civil 3D	Use project explorer features and tools to streamline editing and object creation tasks.
Introduction to QTO Manager in Civil 3D	Use the QTO Manager tool for quantity take-off for different material types and sections.
Introduction to the vehicle tracking tool in Civil 3D	Learn how the vehicle tracking tool does swept path analysis for design vehicles and checks turning movements within roadways.
Optimize large data sets in Civil 3D	Work with Civil 3D objects, use data shortcuts, and prevent performance issues with the style reference manager.
Share data between Civil 3D, Revit, and InfraWorks	Optimize data exchange between Civil 3D, Revit, and InfraWorks to minimize coordination errors.
Work with point cloud data in Civil 3D and InfraWorks	Learn how to extract and manage meaningful objects from point cloud data sources to capture existing conditions for infrastructure projects.



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Topic	Description
Autodesk Docs overview	Discover the key tools in ACC Docs, including reviews, permissions, markups, version control, transmittals, issues, and bridge.
Communicate design changes in Autodesk Docs	Enable your team to organize, update, and resolve design changes throughout the project.
Introduction to ACC Docs Bridge	Learn about ACC Docs Bridge, including its definition, target personas, and how it enables ACC Bridge workflows.
Issue document sets using transmittals in ACC Docs	Learn how to create, configure, view, and manage transmittals in ACC Docs.
Issue management in ACC Docs	Focus on using the Issue tool in ACC Docs to manage and create issues.
Naming standards in ACC Docs	Explore ISO 19650 naming conventions, define naming standards, configure them in ACC, and enforce standards for folders.
Review and approve documents in ACC	Understand how to start and complete review workflows in ACC, with a focus on different methodologies used in the review process.
Set folder structures and permissions in ACC Docs	Create an organized folder structure, assign permissions, manage access, and accept project invitations in Autodesk Docs.



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Topic	Description
Synchronize changes with the cloud	Sync Revit changes to the cloud file, collaborate on a model, and understand the difference between syncing and publishing to Docs.
Understanding Worksharing in ACC	Explore the Revit Cloud Worksharing methodology, including how to publish and create workshared models.
Upload models and docs to the cloud with ACC Docs	Create folders in Autodesk Docs, evaluate upload locations based on data type, upload to project files, and set folder permissions.

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Topic	Description
Automate Revit design workflows with Dynamo	Identify relevant Revit tasks for Autodesk Dynamo, build a graph, organize and document graphs, and automate repetitive tasks.
Data management in Dynamo using lists and dictionaries	Learn to use lists and dictionaries to manage data within Dynamo. See real world examples.
Develop custom nodes with Python in Dynamo	Extend the capabilities of Dynamo by creating custom nodes using Python.
Do data extraction with Dynamo for Civil 3D	Learn how to enhance design data by importing and exporting to Microsoft Excel from Dynamo and Civil 3D.
Learn about Dynamo for linear structures	Learn how to use Dynamo to access Autodesk AutoCAD and Civil 3D data, build your own graph, and automate repetitive tasks.
Learn about generative design in Revit using Dynamo	Understand how to use generative design processes to automate the generation, evaluation, and optimization of a design based on constraints and goals.
What's new in Dynamo for Revit/Civil 3D?	Get to know the latest features releases in Dynamo Core, Dynamo for Revit and Dynamo for Civil 3D.



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Topic	Description
Canvas Page Creation & Customization	How to create and customize canvas pages for daily tracking, reporting, and decision making.
Daily Reviews with the Review Notes App	Learn how to access the Review Notes App, navigate the interface, submit notes, and work with multiple users.
Entity Page Creation & Customization	Learn about page types, creating and designing a page, creating views, organizing pages, and limiting page access.
Facilitate Project Creation with Project Templates	Learn how to use project templates to facilitate your project creation workflows.
Facilitate Task Creation with Task Templates	Learn how to use task templates to facilitate your task creation workflows.
Flow Production Tracking's Admin Tools	Learn how to equip administrators with the knowledge to troubleshoot issues they may encounter on their Flow Production Tracking site.
Import and Update Project Data with Bulk Import	Learn how to import, export, and update data in Flow Production Tracking using CSV files and the bulk import tool.
Introduction to Flow Generative Scheduling	Learn to quickly create and iterate on a production schedule by applying constraints, priorities, and resource shaping.
Introduction to Review Tools	Get an introduction to each of Flow Production Tracking's review tools and who can benefit the most from their use.

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Topic	Description
Manage and Optimize Pages	Learn to manage and optimize through an examination of the three main page types and the best practices for working with each.
Manage Team Bookings with Crew Planning	Learn how to access the Crew Planning app, navigate the interface, and create and manage project bookings.
Managing Permissions and Access	An overview of the default permission roles, best practices, and basic troubleshooting.
Resource Planning: Managing Capacity & Workload	Discover how to track workload and capacity using Flow Production Tracking's Resource Planning tool.

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Topic	Description
3D modeling for fit and function in Fusion 360	Understand how manufacturing engineers adopt Fusion 360 as their primary tool for the design of jigs, tools, and fixtures.
Design manufacturing jigs and fixtures in Fusion 360	How manufacturing engineers adopt Fusion 360 as their primary tool for the design of jigs, tools, and fixtures.
Getting started with Fusion Team	Utilize Fusion Team for data management in product design and manufacturing teams.
Introduction to Fusion Simulation	Get familiar with the Autodesk Fusion 360 simulation environment with an introduction to the static stress analysis.
Introduction to generative design in Fusion	Get familiar with generative design for weight reduction and component consolidation in Fusion 360.

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Topic	Description
Collaboration with Autodesk Construction Cloud and Infracore	Work collaboratively with Infracore models using Autodesk Construction Cloud. Understand customization options within Infracore.
Introduction to Infracore (General)	Learn to use Infracore features and workflows including model builder, cloud collaboration, conceptual design, and visualization.
Introduction to Infracore for road and highway design	Use Infracore features and workflows for designing roads and highways.

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Topic	Description
A modern approach to documentation In Inventor	Learn how to add Geometric Dimensioning & Tolerancing (GD&T) and other manufacturing information to the model.
How to analyze geometries with Inventor Nastran	Learn how to use CAD-embedded FEA workflows for structural element analysis in Inventor Nastran.
How to export Inventor models as .ifc	Learn how to prepare your existing design content in Autodesk Inventor and publish it for use in Revit and BIM 360.
How to utilize Instance Properties in Inventor	Learn how to apply instance properties and then how they can be retrieved in the 3D annotation and drawing environments.
Introduction to Assemblies in Inventor	Get familiar with the features and workflows for large assemblies in Autodesk Inventor.
Introduction to Autodesk Inventor iLogic	Create a general understanding of the capabilities of iLogic and how users can apply it to automate repetitive tasks.
Introduction to Frame Generator	Discover the features and benefits of the Frame Generator Design Accelerator inside of Autodesk Inventor.
Introduction to Inventor Model States	An overview of Model States explaining the various uses for and the methods behind each process.
Introduction to Inventor Studio	Learn the basics of developing renderings using the tools of Autodesk Inventor Studio.
Introduction to Inventor Tube and Pipe	An introduction to the fundamentals of the Tube and Pipe (T&P) environment in Autodesk Inventor.

Review the available coaching topics below and click the hyperlinks to view full session details

Topic	Description
Introduction to Linear Steady State Heat Transfer	An overview on using Inventor Nastran for linear steady-state heat transfer analysis.
Inventor Bill of Materials Customization	An overview of managing and customizing Bill of Materials (BOM) in Inventor.
Inventor Introduction to Flexible Assemblies	A discovery of creating flexible assemblies in Inventor using 4 different methods and the differences between each.
Inventor Simplify Command	Get an overview of the Inventor Simplify Command explaining the uses for and methods behind each step in the process.
Inventor to Revit interoperability	Learn about Inventor to Revit interoperability workflows which improve coordination between Inventor and Revit.
Inventor Working with Constraints and Joints	Delve into the intricacies of working with constraints and joints in Autodesk Inventor.
Machine elements design in mechanical engineering	Learn how to design machine elements in a hypothetical project we provide using Autodesk Inventor and Design Accelerators.
Surface Modeling in Inventor	Delve into the intricacies of surface modeling in Autodesk Inventor Professional.
Tools and methods for successful machine design	Help optimize productivity while designing an overall machine with multiple assemblies in Inventor.
Introduction to linear static analysis	Discover the various features of the program following the same order as the Autodesk Nastran Model Tree entities from top to bottom.

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Topic	Description
Bifrost Procedural FX	Create high-end simulations for fluids, smoke, fire, and procedural environments using Bifrost Graph.
USD pipeline and workflow integration	Learn how to efficiently manage large-scale production assets with Maya's USD support.

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Topic	Description
Coordination best practices using Navisworks	Get an overview of effective coordination strategies by leveraging Navisworks tools and aligning them with your BIM Execution Plan.
How to navigate a Navisworks model walkthrough (Building design)	Learn how to navigate an immersive, animated walk-through of a federated model to identify problems using Navisworks.
How to navigate a Navisworks model walkthrough (Manufacturing)	Learn how to navigate an immersive, animated walk-through of a federated model to identify problems using Navisworks.
Identify model coordination issues with Navisworks	Learn how to create and navigate a federated model, create viewpoints and mark-ups, and run clash detective between trades.
Introduction to Navisworks (Manufacturing)	Learn how to coordinate, review, and present your models using Navisworks.
Introduction to Navisworks for infrastructure	Learn how to coordinate, review, and present your infrastructure models with Navisworks.
Introduction to Navisworks Issues add in	This introductory session provides an overview on how to enhance model coordination across disciplines using powerful workflows enabled by Navisworks add-in, ensuring clash-free design and better collaboration.

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Topic	Description
Overview of Navisworks Timeliner and Quantification	Get an overview of Timeliner functionality and the quantification approach.
Use Navisworks and Revit add-ins for model coordination	Learn how to enhance model coordination across disciplines using powerful workflows enabled by Navisworks and Revit add-ins.
Use Navisworks to link Excel data to objects	Learn how to enrich Navisworks models by linking external Excel data to objects, enabling more informed project analysis and reporting.

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Topic	Description
Extract features from point clouds with ReCap Pro, Autodesk Construction Cloud, and Civil 3D	Extract meaningful features from point cloud data using ReCap Pro and Autodesk Construction Cloud, and bring them into Civil 3D.
Introduction to Autodesk ReCap Professional	Get an overview of Autodesk's reality capture solution, ReCap Pro. Discover how to produce high-resolution 3D models and more.
Manage point clouds in ReCap and Autodesk Construction Cloud	Learn best practices for organizing, publishing, and sharing point cloud data efficiently using ReCap and Autodesk Construction Cloud.
Register point cloud with survey control points	Get an overview of aligning point cloud data with known survey coordinates to ensure geospatial accuracy in your BIM models.
Work with point cloud data in ReCap	Learn how point cloud data integrates into Civil 3D and InfraWorks workflows for infrastructure design and visualization.

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Topic	Description
Best practices for Revit MEP	Explore key aspects of MEP modeling in Revit and learn recommended practices for better MEP project setup.
Best practices while using Revit in ACC	Understand the platform overview, evaluate linking methods, and apply best practices for using Revit in ACC.
Clarifying Revit phases	Learn how to use phases in Revit and understand their effect on views.
How to manage Revit families	Learn Revit family basics, create families, apply advanced loadable family techniques, and manage families in a project.
How to set up Revit for AEC projects	Learn about coordinate systems, model strategy, model maintenance, working with links, and performance best practices in Revit.
Intro to Model Checker & Autodesk Validation Tool	Learn how to use Model Checker and the Autodesk Validation Tool to automate the QA/QC process for Revit models.
Introduction to COBie extension in Revit	Get an introduction to COBie, explore the COBie spreadsheet, and learn to use the Autodesk COBie Extension for importing and exporting.
Introduction to Revit schedules	Learn the efficient way to create schedules by focusing on the schedule workflow in Revit.
Inventor to Revit interoperability	Learn workflows to improve coordination between Inventor and Revit, including importing models and sharing data via Data Exchanges.
Optimizing Revit models for use in the field	Learn best practices for model creation and collaboration, and help project teams deploy ACC Docs to view models in the field.

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Topic	Description
Revit shared coordinates	Learn about shared coordinates and the workflow for acquiring and publishing coordinates with links and cloud models.
Revit template standardization best practices	Understand Revit file types, the evolution of Revit templates, enhancements in Revit 2024, and why templates are important.
Revit to Twinmotion: Efficient export and sync	Use the Datasmith Exporter to transfer Revit models, maintain materials, lighting, and sync updates for real-time visualizations.
Understanding MEP systems in Revit	Explore MEP systems overview, creating and optimizing layouts, generating layouts, and generating calculation reports.
What's new sessions	Learn about the latest capabilities and updates of the products.

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Topic	Description
Autodesk Factory Design utilities for administrators	Set up your software to work with and support the Autodesk Factory Design Utilities.
Autodesk Vault migration planning	Migrate your Vault. Do in-place upgrades and new server migrations, and handle both multi- and single-site environments.
Configure Vault lifecycle email notifications	Boost collaboration within your team using Vault's lifecycle email notification feature.
Create and share files in Vault Professional	Create new files and share them using Vault Professional. Learn how to properly check out files that require editing.
Explore Autodesk Vault copy design	Leverage existing content to speed up your design process using Vault copy design.
Get started with Vault administration	Get started with essential Vault administration skills.
How to backup and restore Vault (Administrator)	Introduction to Vault back up and restore topics for Vault Administrators
How to prepare and execute vault upgrade (Systems)	Learn how to confidently upgrade your Vault environment, ensuring minimal disruption and maximizing performance.
How to set up Vault backups (Administrator)	Learn how to configure scheduled backups for ensuring data protection, business continuity, compliance and peace of mind.
How to setup Vault replication (Administrator)	Configure and manage Vault replication in a multi-site environment
How to transition from files to items in Vault	Create, maintain, and link items with files in Autodesk Vault Professional.
Introduction to Autodesk Vault File Server (Systems)	Setup Autodesk Vault File Server in Vault environments to enhance performance, scalability, network efficiency, and collaboration.

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Topic	Description
Introduction to Vault for DR/BC plan	Discover how Autodesk Vault fits into your DR/BC plan, including disaster recovery procedures, impact of infrastructure loss, and more.
Introduction to Vault Gateway	Learn more about configuring and best practices for using Vault Gateway.
Introduction to Vault Thin Client	Get an overview of how to use Vault thin client for accessing Vault data through web
Manage process engineering change orders in Vault	Learn how to create, manage, and process engineering change orders in Vault Professional
Pre-install SQL server for Vault server (Systems)	Learn the essential steps to preinstall SQL Server for Autodesk Vault.
Publish design files for release in Vault Professional	Print 2D drawing files for distribution from Vault Pro.
Set up and use Vault peer review	Learn how to configure Vault Lifecycle definitions for peer review control
Set up for collaboration in Vault Professional	Understand system requirements for Vault Professional, and how to create a new Vault.
Share data between Vault, Autodesk Construction Cloud, and Fusion teams	Share data securely between Vault, Autodesk Construction Cloud, and Fusion teams.
Vault server administration (Administrator)	Learn advanced administration of the Vault environment, encompassing both server-side and operational/client-side management.
Vault Server Installation (Systems)	Learn how to install Vault server, understand the pre-requisites and configurations options.

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Expert coaching for IT

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Topic	Description
Advanced support for Autodesk Directory Sync	Master Autodesk Directory Sync: best practices, secure data sync, workflows, troubleshooting, and advanced features.
Advanced support for Autodesk Single Sign-on (SSO)	Join our course for master SSO setup, best practices, troubleshooting, and advanced features.
Advanced support for Business Plan Reporting APIs for usage insights	Learn how to use the Business Plan Reporting APIs to automate report generation.
Autodesk Platform Services onboarding	Get familiar with functionalities of Autodesk Platform Services, what tools are required to use it, and how to set up a team for APS application development.
Automation of Business Plan Reporting APIs	Learn how to use the Business Plan Reporting APIs in a no-code/low-code environment to automate the report generation.
Deployment Assistance	Tailored recommendations, training, and resources that help Admins optimize the deployment process to ensure a seamless end user experience.
Desktop Connector deployment best practices	Best practices for deploying and installing Desktop Connector.
Fusion Deployment best practices	Fusion Deployment best practices
Integrate mergers and acquisitions systems	Addressing the challenges IT teams face during mergers, acquisitions, and de-mergers.
IT infrastructure readiness for Autodesk Construction Cloud	Support and expert guidance to help administrators optimize performance, enhance security, and streamline onboarding in ACC.

Use the [hyperlinks](#) in the slide to navigate the catalog

Optimizing CAD data for visualization

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Make data visualization easier by analyzing your scene and applying smart optimizations.

Topics Covered:

- Learn why optimization matters
- Analyze scene file contents
- Choose the right optimization methods
- Improve performance with intent
- Streamline data for better visuals

CAPABILITIES

- Design Visualization

OUTCOMES

- Expand and Diversify Services
- Reduce Environmental Impact
- Improve Design Quality
- Increase Recognition as Industry Leaders
- Reduce Safety Incidents

RELATED PRODUCTS

- 3ds Max
- Revit

ROLE

- Lighting designer
- Designer
- Architectural detailer
- 3D visualization artist
- BIM manager

INDUSTRY

- AEC

Visualizing Inventor CAD data with 3ds Max and Arnold

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn about the best approach to visualize CAD data from Inventor.

Topics covered:

- Prepare CAD data inside Inventor
- Prepare 3ds Max before importing the Inventor file
- Import Inventor CAD data to 3ds Max
- Apply materials in 3ds Max using the Material Converter
- Set up lighting and staging with the Arnold Renderer

CAPABILITIES

- Design Visualization

OUTCOMES

- Improve Win Rate
- Improve Sales Cycle Time
- Improve Product Desirability
- Improve Customer Experience

RELATED PRODUCTS

- 3ds Max
- Arnold
- Inventor Products

ROLE

- Product designer
- Design manager/director
- Mechanical engineer

INDUSTRY

- MFG
- M&E
- AEC

Visualizing Revit models in 3ds Max

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to quickly create beautiful renderings of Revit models in 3ds Max using the Arnold Renderer.

Topics covered:

- Set up 3ds Max
- Import Revit file into 3ds Max
- Configure the 3ds Max Scene
- Set up Arnold Lighting
- Set up Arnold Render

CAPABILITIES

- Design Visualization

OUTCOMES

- Expand and Diversify Services
- Reduce Environmental Impact
- Improve Design Quality
- Increase Recognition as Industry Leaders
- Reduce Safety Incidents

RELATED PRODUCTS

- 3ds Max
- Revit

ROLE

- 3D visualization artist
- Project engineer
- Project manager
- Architectural detailer
- Designer

INDUSTRY

- AEC
- M&E

Advanced SUBD Modeling in Alias

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Build on principles learned in Introduction to SubD modeling. Understand best practices for creating good topology.

Topics covered:

- Topology
- Align to curve
- Align to surface
- Retopo
- Reform

CAPABILITIES

- Surface Modeling
- Automotive Conceptual Modelling

OUTCOMES

- Unlock Design Creativity
- Reduce Time to Design Approval
- Expand Product Offerings

RELATED PRODUCTS

- Alias Products

ROLE

- Product designer
- 3D modeler

INDUSTRY

- MFG
- M&E

Introduction to Sub-D Modeling in Alias

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Understand the Sub-D toolset in Alias and the workflows needed to quickly create Sub-D concept models.

Topics covered:

- Understand the anatomy of a Sub-D and the Sub-D toolset in Alias
- Understand workflows for primitive modeling and curve based modeling.
- Add details and model refinement.
- Understand topology.
- Use traditional surface operations to add details and hybrid modeling.

CAPABILITIES

- Automotive Conceptual Modelling
- Surface Modeling

OUTCOMES

- Reduce Time to Design Approval
- Expand Product Offerings
- Unlock Design Creativity

RELATED PRODUCTS

- [Alias Products](#)

ROLE

- Product designer
- 3D modeler

INDUSTRY

- MFG
- M&E

AutoCAD graphics improvements

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Discover the latest AutoCAD graphics upgrades, including:

- 2D/3D display boosts
- 4K support
- UI enhancements
- Touch gestures
- Floating windows
- Improved Autodesk Docs integration.

CAPABILITIES

- Manufacturing Documentation
- Technical Documentation
- Mechanical Design

OUTCOMES

- Increase Manufacturing Flexibility
- Reduce Defects and Non-Conformities
- Improve Customer Experience
- Improve Quality and Reliability

RELATED PRODUCTS

- AutoCAD

ROLE

- Industrial designer
- Mechanical engineer

INDUSTRY

- AEC
- MFG

AutoCAD user interface enhancements

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Explore how AutoCAD's UI has evolved with features like a redesigned Start tab, floating windows, dark theme, enhanced selection, blocks palette, 4K support, and touch gestures for better efficiency.

CAPABILITIES

- Manufacturing Documentation
- Technical Documentation
- Mechanical Design

OUTCOMES

- Increase Manufacturing Flexibility
- Reduce Defects and Non-Conformities
- Improve Customer Experience
- Improve Quality and Reliability

RELATED PRODUCTS

- AutoCAD

ROLE

- Industrial designer
- Mechanical engineer

INDUSTRY

- MFG
- AEC

How to improve design review efficiency in AutoCAD

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Discover new AutoCAD features that streamline design reviews, including version history, drawing/Xref comparisons, Trace, Count, Quick Measure, Purge, and revision cloud enhancements.

CAPABILITIES

- Design Review

OUTCOMES

- Improve Win Rate
- Improve Collaboration
- Reduce Defects at Handover
- Reduce Claims or Litigations
- Increase Regulatory Compliance

RELATED PRODUCTS

- AutoCAD

ROLE

- Design manager/
director
- CAD manager

INDUSTRY

- MFG
- AEC

Design productivity enhancements in AutoCAD

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Streamline workflows with tools like floating windows, smart Trim/Extend, SHX recognition, and specialized toolsets to automate and enhance core AutoCAD design processes.

CAPABILITIES

- Manufacturing Documentation
- Technical Documentation
- Mechanical Design
- Design Review

OUTCOMES

- Improve Product Performance
- Improve Product Personalization
- Improve Time to Market
- Expand Product Offerings
- Reduce Non Value-Add Processes

RELATED PRODUCTS

- AutoCAD

ROLE

- Product engineer
- Mechanical engineer
- Manufacturing/
production engineer

INDUSTRY

- AEC
- MFG

How to modernize collaboration when using AutoCAD

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Improve teamwork with shared views, web/mobile access, cloud collaboration, and integration with Autodesk Docs to simplify drawing sharing and feedback.

CAPABILITIES

- Design Review
- Design Collaboration

OUTCOMES

- Improve Win Rate
- Improve Collaboration
- Reduce Defects at Handover
- Reduce Claims or Litigations
- Meet Regulatory Requirement

RELATED PRODUCTS

- AutoCAD
- Docs

ROLE

- Electrical engineer
- Mechanical engineer

INDUSTRY

- AEC
- MFG

Working with standards in AutoCAD

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Maintain consistency by creating standards files, auditing drawings, using the Batch Standards Checker, and managing layer translations across projects.

CAPABILITIES

- Standardization
- Design Collaboration

OUTCOMES

- Improve Data Exchange
- Improve Collaboration
- Meet or Exceed Design Requirements
- Increase Recognition as Industry Leaders
- Expand and Diversify Services

RELATED PRODUCTS

- AutoCAD

ROLE

- Administrative professional

INDUSTRY

- AEC

AutoCAD sheet set manager for desktop & web

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn to manage sheet sets, automate title blocks, and publish drawing packages efficiently using Sheet Set Manager and its web capabilities.

CAPABILITIES

- Technical Documentation
- Manufacturing Documentation

OUTCOMES

- Improve Collaboration
- Increase User Productivity

RELATED PRODUCTS

- AutoCAD
- AutoCAD Web

ROLE

- Architectural detailer
- CAD manager
- Mechanical engineer

INDUSTRY

- MFG
- AEC

Understand AutoCAD AI / ML features

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Boost productivity with AI tools like My Insights, Markup Assist, Smart Blocks, and Macro Advisor for smarter drafting and design automation.

CAPABILITIES

- Manufacturing Documentation
- Architectural Conceptual Design
- Design Automation (AEC)

OUTCOMES

- Increase User Productivity
- Improve Product Performance

RELATED PRODUCTS

- AutoCAD

ROLE

- Mechanical engineer

INDUSTRY

- MFG
- AEC

Manage AutoCAD drawings in Vault

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Track, manage, and version AutoCAD drawings using Autodesk Vault—streamlining file check-ins, Xref management, and team collaboration.

CAPABILITIES

- Manufacturing Documentation
- Data Management
- Design Automation (PDM)

OUTCOMES

- Improve Collaboration
- Improve Data Exchange
- Realtime Collaboration

RELATED PRODUCTS

- AutoCAD
- Vault Products

ROLE

- Mechanical engineer

INDUSTRY

- MFG
- AEC

Customize AutoCAD annotations and styles

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Master annotation tools like text, dimensions, leaders, and tables. Learn annotative scaling and style management to ensure consistent, readable drawings.

CAPABILITIES

- Manufacturing Documentation
- Technical Documentation

OUTCOMES

- Increase User Productivity
- Improve Collaboration
- Improve Design Quality
- Improve Product Personalization

RELATED PRODUCTS

- AutoCAD

ROLE

- Mechanical engineer

INDUSTRY

- MFG
- AEC

Introduction to the Circuit Builder

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

The Circuit Builder tool comes prepopulated with data to build and annotate a sampling of motor control circuits and power feed circuits.

Topics covered:

- Introduction to Circuit Builder
- Advantages of using Circuit Builder
- Customizing Circuit builder
- Circuit Builder Electrical Standards Database
- Conditional Circuit Builder Task

CAPABILITIES

- Electrical Design
- Design for Manufacture
- Technical Documentation

OUTCOMES

- Improve Product Performance
- Improve Design Quality
- Increase User Productivity

RELATED PRODUCTS

- AutoCAD Electrical

ROLE

- Electrical engineer

INDUSTRY

- MFG

AutoCAD Electrical project handling in Vault

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Securely manage full AutoCAD Electrical projects in Vault—track revisions, manage symbols, and streamline team workflows from schematics to panels.

CAPABILITIES

- Electrical Design
- Data Management

OUTCOMES

- Improve Collaboration
- Increase User Productivity

RELATED PRODUCTS

- AutoCAD Electrical
- Vault Products

ROLE

- Electrical engineer

INDUSTRY

- MFG

Working with AutoCAD Electrical in ACC

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Leverage ACC to manage AutoCAD Electrical projects in the cloud, track versions, and share files like symbols and databases across teams.

CAPABILITIES

- Electrical Design
- Data Management
- Design Collaboration

OUTCOMES

- Improve Collaboration
- Increase User Productivity
- Improve Design Quality

RELATED PRODUCTS

- AutoCAD Electrical
- Docs

ROLE

- Electrical engineer

INDUSTRY

- MFG

Auto reports & customization in AutoCAD Electrical

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Automate and customize BOMs, wire lists, and terminal plans. Update reports with design changes and export them to Excel, PDF, or MDB formats.

CAPABILITIES

- Electrical Design

OUTCOMES

- Improve Design Quality
- Increase User Productivity
- Reduce Errors and Rework

RELATED PRODUCTS

- AutoCAD Electrical

ROLE

- Electrical engineer

INDUSTRY

- MFG

Design with AutoCAD Electrical & Inventor

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Synchronize electrical schematics and 3D mechanical designs between AutoCAD Electrical and Inventor for seamless electromechanical workflows.

CAPABILITIES

- Electrical Design
- Data Interoperability

OUTCOMES

- Improve Collaboration
- Reduce Errors and Rework
- Sync electrical and mechanical designs

RELATED PRODUCTS

- AutoCAD Electrical
- Inventor Products

ROLE

- Electrical engineer

INDUSTRY

- MFG

Introduction to AutoCAD Electrical

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Create and manage control system drawings using intelligent symbols, real-time error checking, wire tagging, panel layouts, and automated reports.

CAPABILITIES

- Electrical Design

OUTCOMES

- Understand the AutoCAD Electrical
- Create and manage electrical projects

RELATED PRODUCTS

- AutoCAD Electrical

ROLE

- Electrical engineer

INDUSTRY

- MFG

Manage BOM with ease in AutoCAD Mechanical

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Design assemblies with BOMs, part references, and production-ready drawings. Learn Vault integration to manage mechanical files efficiently.

CAPABILITIES

- Bill of Materials Management
- Manufacturing Documentation
- Technical Documentation
- Mechanical Design

OUTCOMES

- Reduce Defects and Non-Conformities
- Improve Supply Chain Agility
- Improve Quality and Reliability
- Improve Win Rate
- Increase Manufacturing Flexibility

RELATED PRODUCTS

- AutoCAD Mechanical

ROLE

- Product engineer
- CAD manager

INDUSTRY

- MFG

Introduction to AutoCAD Mechanical

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Explore AutoCAD Mechanical's drafting, engineering, and standards features that enhance productivity and precision in mechanical design workflows.

CAPABILITIES

- Mechanical Design
- Manufacturing Documentation

OUTCOMES

- Improve Vehicle Attributes
- Improve Product Desirability
- Reduce Environmental Impact
- Improve Product Performance
- Increase Product Development Agility

RELATED PRODUCTS

- AutoCAD Mechanical

ROLE

- Product engineer
- Product designer
- CAD manager
- Mechanical engineer

INDUSTRY

- MFG

Design with ACAD Mechanical component libraries

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn to access, customize, and create content libraries, import data from Excel, and use design calculators for efficient standard part placement.

CAPABILITIES

- Manufacturing Documentation
- Technical Documentation
- Mechanical Design

OUTCOMES

- Increase Manufacturing Flexibility
- Reduce Defects and Non-Conformities
- Improve Customer Experience
- Improve Quality and Reliability
- Improve Vehicle Attributes

RELATED PRODUCTS

- AutoCAD Mechanical

ROLE

- Product engineer
- Mechanical engineer
- Manufacturing/
production engineer

INDUSTRY

- MFG

Efficient design using AutoCAD Mechanical

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Use power tools for smart annotations, precise layouts, part visibility control, and efficient layer and hole chart management in manufacturing drawings.

CAPABILITIES

- Manufacturing Documentation
- Technical Documentation
- Mechanical Design

OUTCOMES

- Increase Manufacturing Flexibility
- Reduce Defects and Non-Conformities
- Improve Customer Experience
- Improve Quality and Reliability
- Improve Vehicle Attributes

RELATED PRODUCTS

- AutoCAD Mechanical

ROLE

- Product engineer
- Mechanical engineer

INDUSTRY

- MFG

Managing company standards in AutoCAD Mechanical

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Adopt a standards-based approach—define, modify, and apply drafting standards to ensure consistency across AutoCAD Mechanical projects.

CAPABILITIES

- Manufacturing Documentation
- Technical Documentation
- Mechanical Design

OUTCOMES

- Increase Manufacturing Flexibility
- Reduce Defects and Non-Conformities
- Improve Customer Experience
- Improve Quality and Reliability
- Improve Vehicle Attributes

RELATED PRODUCTS

- AutoCAD Mechanical

ROLE

- Product engineer
- Manufacturing/
production engineer
- Mechanical engineer

INDUSTRY

- MFG

Factory design with AutoCAD Mechanical

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Plan factory layouts in 2D and sync with 3D using Factory Design Utilities, asset libraries, and Inventor to create smarter, connected designs.

CAPABILITIES

- Factory Layouts and Planning
- Manufacturing Documentation

OUTCOMES

- Optimize Factory Design
- Reduce Overall Design Time
- Increase User Productivity

RELATED PRODUCTS

- AutoCAD Mechanical
- Factory Design Utilities

ROLE

- Facility manager
- Plant design engineer
- Mechanical engineer
- Mechanical engineer

INDUSTRY

- MFG

Introduction to AutoCAD Plant 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get an overview of the capabilities of AutoCAD Plant 3D.

Topics include:

- Use interface and tools to create piping, equipment, structures and other plant components.
- Plan and create a plant design project.
- Create 3D models of piping systems and equipment.
- Model and design various structure types, such as steel structures, concrete foundations and more.
- Extract isometrics and GA drawings and layouts .

CAPABILITIES

- Design Management
- Design Visualization
- Project Management

OUTCOMES

- Meet Regulatory Requirement
- Reduce Number of Constructability Issues to Site
- Reduce Construction Rework
- Increase Stakeholder Buy-In
- Improve Design Quality

RELATED PRODUCTS

- AutoCAD Plant 3D

ROLE

- Project manager
- CAD manager
- BIM manager
- Plant design engineer

INDUSTRY

- AEC

Isometrics setup in Plant 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to set up the generation of isometric drawings in AutoCAD Plant 3D.

Topics include:

- Configure isometric drawing styles and templates.
- Customize isometric drawing settings to meet project-specific requirements.
- Incorporate annotations, dimensions, and bill of materials in isometrics.

CAPABILITIES

- Design Management
- Design Visualization
- Project Management

OUTCOMES

- Meet Regulatory Requirement
- Reduce Number of Constructability Issues to Site
- Reduce Construction Rework
- Increase Stakeholder Buy-In
- Improve Design Quality

RELATED PRODUCTS

- AutoCAD Plant 3D

ROLE

- Project manager
- CAD manager
- BIM manager
- Plant design engineer

INDUSTRY

- AEC

Introduction to AutoCAD Plant 3D project setup

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Start new projects with AutoCAD Plant 3D, including planning, training, and administration.

Topics covered:

- Review an executive summary and project kick-off timeline example.
- Review project planning tasks, project setup checklist, and how to support the team.
- Understand required network infrastructure for hosting projects.
- Use project team collaboration features.

CAPABILITIES

- Model Co-Authoring for Plant
- Plant Modeling

OUTCOMES

- Reduce Overall Design Time
- Improve Data Exchange
- Manage Design and Project Complexity
- Reduce Errors and Rework
- Meet or Exceed Design Requirements

RELATED PRODUCTS

- AutoCAD Plant 3D

ROLE

- Project manager
- CAD manager
- BIM manager
- Plant design engineer

INDUSTRY

- AEC

Introduction to global work sharing with Plant 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get familiar with the collaboration features of AutoCAD Plant 3D and workflows for projects teams in distributed locations.

Topics covered:

- Understand collaboration for Plant 3D features and services.
- Validate your BIM 360 Account, and set-up a practice project.
- Discover the Autodesk Health Dashboard and best practices for collaborating with Plant 3D.
- Manage projects and users in BIM 360, and share a Plant 3D project to BIM 360.
- Manage other tasks and learn administrator best practices.

CAPABILITIES

- Model Co-Authoring for Plant
- Plant Modeling
- Model Co-authoring for Linear Infrastructure

OUTCOMES

- Reduce Overall Design Time
- Improve Data Exchange
- Manage Design and Project Complexity
- Reduce Errors and Rework
- Meet or Exceed Design Requirements

RELATED PRODUCTS

- AutoCAD Plant 3D

ROLE

- Plant design engineer
- CAD manager

INDUSTRY

- AEC

Coordination challenges in Plant 3D and Revit

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to work in Plant 3D and Revit when models are shared between the tools. Overcome challenges related to coordinates differences and working with shared coordinates.

Topics covered:

- Export models from Plant and import into Revit
- Export models from Revit and import into Plant
- Import Plant Models from ACC into Revit
- How to workaround when Revit and Plant have different coordinate systems

CAPABILITIES

- Plant Modeling
- Model Co-Authoring for Plant

OUTCOMES

- Reduce Overall Design Time
- Improve Data Exchange
- Manage Design and Project Complexity
- Reduce Errors and Rework

RELATED PRODUCTS

- AutoCAD Plant 3D
- Revit

ROLE

- Plant design engineer
- Project manager
- CAD manager

INDUSTRY

- AEC

Plant 3D DWG settings in project setup

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get a detailed look at Plant 3D DWG setting in project setup.

Topics covered:

- Export and import settings
- Data Manager configurations
- Layer and color settings
- Piping connection settings
- Pipe bend settings
- Plant 3D class definitions
- Specifications update settings

CAPABILITIES

- Plant Modeling

OUTCOMES

- Improve Customer Experience
- Manage Design and Project Complexity
- Reduce Errors and Rework

RELATED PRODUCTS

- AutoCAD Plant 3D

ROLE

- Plant design engineer
- Project manager
- CAD manager

INDUSTRY

- AEC

Interoperability of Specifications-P&ID-Plant 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get an overview of the interoperability of Specs with P&ID data, followed by interoperability of P&ID data with Plant 3D and data validation.

Topics covered:

- Introduction to P&ID and Plant 3D interoperability
- Specifications to P&ID setup
- P&ID to Plant 3D setup
- P&ID and Plant 3D data validation

CAPABILITIES

- Plant Modeling

OUTCOMES

- Improve Customer Experience
- Manage Design and Project Complexity
- Reduce Errors and Rework

RELATED PRODUCTS

- AutoCAD Plant 3D

ROLE

- Plant design engineer
- Project manager
- CAD manager

INDUSTRY

- AEC

Work with equipment in Plant 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get an overview of how to create or modify equipment in Plant 3D.

Topics covered:

- Use shapes and trims to create equipment
- Convert AutoCAD objects into Plant 3D equipment
- Convert Inventor models into Plant 3D equipment
- Simplify vendor models in Inventor and export for use in Plant 3D
- Save and share custom equipment in Plant 3D

CAPABILITIES

- Plant Modeling

OUTCOMES

- Reduce Overall Design Time
- Manage Design and Project Complexity
- Reduce Errors and Rework
- Improve Customer Experience

RELATED PRODUCTS

- AutoCAD Plant 3D

ROLE

- Plant design engineer
- Project manager
- CAD manager

INDUSTRY

- AEC

Isometric and Ortho DWG settings in project setup.

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get a detailed look at Isometric DWG settings and Ortho DWG settings in project setup.

Topics covered:

- Symbols and references
- Isometric style setup and Isometric style default settings
- Themes, annotations, dimensions
- Sloped and offset piping
- Ortho style default settings. Title block and display for Isometric and Ortho

CAPABILITIES

- Plant Modeling

OUTCOMES

- Improve Customer Experience
- Manage Design and Project Complexity
- Reduce Errors and Rework

RELATED PRODUCTS

- AutoCAD Plant 3D

ROLE

- Plant design engineer
- Project manager
- CAD manager

INDUSTRY

- AEC

P&ID DWG settings in project setup

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get a detailed look at P&ID DWG settings in project setup.

Topics covered:

- Display settings, and Line settings
- Export and import settings, and Data Manager configuration
- P&ID class definitions, and P&ID Painter settings
- Pipe Specifications in P&ID

CAPABILITIES

- Plant Modeling

OUTCOMES

- Improve Customer Experience
- Manage Design and Project Complexity
- Reduce Errors and Rework

RELATED PRODUCTS

- AutoCAD Plant 3D

ROLE

- Plant design engineer
- Project manager
- CAD manager

INDUSTRY

- AEC

Use specifications and catalogs in Plant 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get an overview of working with specifications and catalogs in Plant 3D. Learn how to create or modify catalog items and use them in project specifications.

Topics covered:

- Understand specifications and catalogs.
- Customize catalogs.
- Navigate the specification editor.
- Manage specifications and catalog updates.

CAPABILITIES

- Plant Modeling

OUTCOMES

- Reduce Errors and Rework
- Improve Customer Experience
- Manage Design and Project Complexity

RELATED PRODUCTS

- AutoCAD Plant 3D

ROLE

- Plant design engineer
- Project manager
- CAD manager

INDUSTRY

- AEC

Work with the Report Creator tool

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get an overview of the Report Creator Tool which is a part of Plant 3D Portfolio. Learn how to create and customize complex reports which can be used as final deliverables.

Topics covered:

- Understand differences between Data Manager reports and Report Creator reports.
- Create and modify Report Creator reports.
- Create, modify, export and import Data Manager reports.

CAPABILITIES

- Plant Modeling

OUTCOMES

- Improve Quality and Reliability
- Improve Customer Experience
- Reduce Errors and Rework

RELATED PRODUCTS

- AutoCAD Plant 3D

ROLE

- Plant design engineer
- Project manager
- CAD manager

INDUSTRY

- AEC

Collaboration of Plant 3D with Autodesk Construction Cloud/BIM360

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get an overview about how Plant 3D projects can be made cloud powered. Learn how to share and manage Plant 3D projects on cloud platforms like BIM 360 and Autodesk Construction Cloud (ACC).

Topics covered:

- See the benefits of collaboration for Plant 3D.
- Set up a project in BIM360/ACC and a collaboration environment between Cloud and Plant 3D.
- Understand workflows for collaboration with Plant 3D.
- Hear best practices within Plant 3D when working on BIM360/ACC

CAPABILITIES

- Plant Modeling
- Model Co-Authoring for Plant

OUTCOMES

- Improve Customer Experience
- Reduce Errors and Rework
- Improve Collaboration

RELATED PRODUCTS

- AutoCAD Plant 3D

ROLE

- Plant design engineer
- Project manager
- BIM Coordinator
- BIM Modeller
- BIM manager

INDUSTRY

- AEC

Autodesk Platform Services for manufacturing

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Use Autodesk Platform Services APIs in the manufacturing space, and transition automation from desktop CAD to the cloud.

Topics covered:

- Understand the technology and functionalities that APS offers in the Manufacturing space.
- Gain insights on setting up a team for APS app development.
- Understand the tools you will need to develop APS apps.
- Understand how to transition your automation from desktop CAD to the cloud.

CAPABILITIES

- Design Automation

OUTCOMES

- Improve Product Performance
- Improve Product Personalization
- Expand Product Offerings
- Improve Time to Market
- Reduce Non Value-Add Processes

RELATED PRODUCTS

- Autodesk Platform Services

ROLE

- IT/software manager
- IT/software administrator
- CAD manager
- Mechanical engineer

INDUSTRY

- MFG

Build a digital product catalog in Autodesk Platform Services

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn to build a proof of concept web application for publishing CAD models to a digital product catalog with Autodesk Platform Services and Fusion 360.

Topics include:

- Achieve digital transformation with Fusion and APS Platforms.
- Build a digital product catalog.
- Make interactive instructions available to a wider audience.

CAPABILITIES

- Product Configuration

OUTCOMES

- Improve Sales Cycle Time
- Improve Product Desirability
- Improve Customer Experience
- Improve Product Personalization
- Increase Market Share

RELATED PRODUCTS

- Autodesk Platform Services

ROLE

- Product designer

INDUSTRY

- AEC
- MFG

Manage data with Autodesk Platform Services

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Set up Autodesk Platform Services and develop applications using the authentication, data management, and Autodesk Construction Cloud/BIM 360 APIs.

Topics covered:

- Set up and secure your APS application.
- Generate 2-legged and 3-legged tokens to use APS APIs (OAuth authentication API).
- Create buckets to store and access your data (Data Management API).
- Use APS to automate and enhance the functionalities of ACC/BIM 360

CAPABILITIES

- Design Automation

OUTCOMES

- Increase Workload Capacity
- Attract and Retain Top Talent
- Ensure Business Continuity
- Reduce Errors and Rework
- Reduce Overall Design Time

RELATED PRODUCTS

- Autodesk Platform Services

ROLE

- Chief information officer
- Chief technical officer
- IT/software manager

INDUSTRY

- AEC
- MFG

Use Autodesk Platform Services to translate and view models online

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

This session provides a practical understanding of translating files from one format to another using Model Derivative API, making them viewer-friendly by translating to SVF, and finally viewing them online using Viewer API. This complete package helps you deploy the Viewer API to your custom Autodesk Platform Services-based application.

Topics covered:

- Translating a model (Model Derivative API)
- Viewing a model (Viewer API)

CAPABILITIES

- Coordination
- Design Review
- Design Visualization
- Document Management

OUTCOMES

- Reduce Overall Design Time
- Improve Collaboration
- Manage Design and Project Complexity
- Reduce Errors and Rework
- Reduce Safety Incidents

RELATED PRODUCTS

- Autodesk Platform Services

ROLE

- BIM manager
- IT/ software administrator
- IT/ software manager

INDUSTRY

- AEC
- MFG

Introduction to Autodesk Platform Services

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get familiar with functionalities of Autodesk Platform Services, what tools are required to use it, and how to set up a team for APS application development.

Topics covered:

- What is Autodesk Platform Services (APS)? – Build online workflows and experiences around your design data
- Industry Showcase – Practical APS use cases
- Setting up a team – Get started with the best development and support resources available
- The umbrella of APS – Functionalities and pricing associated with each API

CAPABILITIES

- Enterprise Application Integration and Middleware
- Information Management
- Design Automation

OUTCOMES

- Reduce Manual Data Replication
- Improve Data Exchange
- Reduce Environmental Impact
- Improve Handover Experience
- Improve Collaboration

RELATED PRODUCTS

- Autodesk Platform Services

ROLE

- Chief information officer
- Chief technical officer
- Project manager
- Systems Engineer
- Computational designer

INDUSTRY

- AEC
- MFG

Explore Vault data API and its applications

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Explore Vault Data API to solve integration challenges, connect Vault data to external systems, automate tasks, and integrate Power BI dashboards for enhanced efficiency and valuable insights.

Topics Covered:

- Understand Vault Data API Capabilities
- Connect Vault Data to External Systems
- Automate Tasks with Vault Data API
- Vault Power BI sample connector demo

CAPABILITIES

- Data Management
- Information Management
- Software Development

OUTCOMES

- Reduce Non Value-Add Processes
- Improve Data Driven Decision Making
- Improve Time to Market
- Improve Collaboration

RELATED PRODUCTS

- Autodesk Platform Services

ROLE

- IT/software administrator
- IT/ software manager
- CAD manager
- Administrative professional
- Product engineer

INDUSTRY

- MFG

Use APS APIs in No Code platforms

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn about the capabilities of Autodesk Construction Cloud (ACC) Connect and how it can be used to seamlessly connect with Autodesk Platform Services APIs.

Topics covered:

- About ACC Connect
- Custom Integrations
- API calls in ACC Connect

CAPABILITIES

- Enterprise Application Integration and Middleware
- Information Management

OUTCOMES

- Reduce Manual Data Replication
- Improve Data Exchange
- Improve Collaboration

RELATED PRODUCTS

- Autodesk Platform Services

ROLE

- Chief information officer
- Chief technical officer
- Project manager
- Software engineer/developer

INDUSTRY

- AEC
- MFG

Introduction to Autodesk Construction Cloud APIs

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn about the Autodesk Construction Cloud (ACC) APIs that are provided by Autodesk to create and automate custom workflows in ACC.

Topics:

- Introduction to Autodesk Platform Services
- Introduction to ACC APIs
- Overview of the available APIs

CAPABILITIES

- Enterprise Application Integration and Middleware
- Information Management
- Software Development

OUTCOMES

- Reduce Manual Data Replication
- Improve Data Exchange
- Reduce Environmental Impact
- Improve Handover Experience
- Improve Collaboration

RELATED PRODUCTS

- Autodesk Platform Services

ROLE

- Chief information officer
- Chief technical officer
- Project manager
- Systems Engineer
- Computational designer

INDUSTRY

- AEC

The AEC data model and its applications

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn the capabilities of the AEC data model and how it is used to interact directly with granular design data in the cloud.

Topics:

- Introduction to Autodesk Platform Services
- Problem Statement
- The AEC data model
- Run queries with GraphQL

CAPABILITIES

- Enterprise Application Integration and Middleware
- Information Management

OUTCOMES

- Improve Data Exchange
- Improve Collaboration
- Improve Design Quality

RELATED PRODUCTS

- Autodesk Platform Services

ROLE

- Chief information officer
- Chief technical officer
- Project manager
- Software engineer/developer

INDUSTRY

- AEC

Introduction to ACC Insights and Data Connector

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn the capabilities of the ACC insights module and how it brings insights quickly.

Topics covered:

- Overview of insights module
- Create project dashboards
- Add cards
- Manage reports
- Use Data connector
- Use Power BI templates

CAPABILITIES

- Information Management
- Construction Administration
- Data Management

OUTCOMES

- Improve Data Driven Decision Making
- Realtime Collaboration
- Increase User Productivity

RELATED PRODUCTS

- Construction Cloud

ROLE

- BIM manager
- CAD manager
- Construction Manager

INDUSTRY

- AEC

Clash management with Revit and Model Coordination

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Use the Issues Add-In for Revit to review issues created from the clashes in the Model Coordination environment on the ACC platform.

CAPABILITIES

- Design Review

OUTCOMES

- Improve Win Rate
- Improve Collaboration
- Reduce Defects at Handover
- Reduce Claims or Litigations
- Meet Regulatory Requirement

RELATED PRODUCTS

- BIM Collaborate Pro
- Revit

ROLE

- Subcontractor
- BIM manager
- Building architect

INDUSTRY

- AEC

How to set up Model Coordination in the cloud

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to set up model coordination, perform clash detection, and resolve coordination issues in the BIM 360 Model Coordination module.

Topics covered:

- Understand coordination spaces
- Assign permissions to folders in Document Management
- Manage supported file types
- Create saved views

CAPABILITIES

- Design Review
- Construction Administration
- Coordination

OUTCOMES

- Improve Win Rate
- Improve Collaboration
- Reduce Defects at Handover
- Reduce Claims or Litigations
- Meet Regulatory Requirement

RELATED PRODUCTS

- BIM Collaborate Pro

ROLE

- IT/ software manager
- IT/ software administrator
- Electrical detailer
- Mechanical detailer

INDUSTRY

- AEC

Comment on and markup designs in ACC

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to use markups to speed up decision-making by enabling instant communication of questions, changes, and information related to project drawings and models. Discover how to enable team members to provide comments and markups in Autodesk BIM Collaborate, track issues, and monitor document status.

CAPABILITIES

- Design Review
- Document Management

OUTCOMES

- Improve Win Rate
- Improve Collaboration
- Reduce Defects at Handover
- Reduce Claims or Litigations
- Meet Regulatory Requirement

RELATED PRODUCTS

- BIM Collaborate Pro

ROLE

- BIM manager
- Project manager

INDUSTRY

- AEC

Advanced collaboration in BIM Collaborate Pro

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn advanced file-sharing workflows in BIM Collaborate Pro, hyper-model navigation, timeline navigation, monitoring changes, and creating and reviewing issues.

CAPABILITIES

- Collaborative Authoring

OUTCOMES

- Increase Workload Capacity
- Reduce Overall Design Time
- Improve Data Exchange
- Improve Satisfaction
- Reduce Errors and Rework

RELATED PRODUCTS

- BIM Collaborate Pro

ROLE

- IT/comms engineer/technician
- IT/software manager
- IT/software administrator
- Fire systems engineer/technician
- Architecture energy analyst

INDUSTRY

- AEC

Best practices in BIM Collaborate Pro

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Review best practices for collaborating in BIM Collaborate Pro.

CAPABILITIES

- Collaborative Authoring

OUTCOMES

- Increase Workload Capacity
- Reduce Overall Design Time
- Improve Data Exchange
- Improve Satisfaction
- Reduce Errors and Rework

RELATED PRODUCTS

- Revit

ROLE

- IT/software administrator
- Fire systems engineer/technician
- Architecture energy analyst
- Electrical engineer (MEP)
- Energy analyst (MEP)

INDUSTRY

- AEC

How to use Civil 3D data references in ACC

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to collaborate with Civil 3D using ACC to better manage data with references and shortcuts.

Topics covered:

- Collaborate in ACC and managing document locking in Civil 3D
- Comparing entity and object management for project workflows
- Set up data shortcuts, using references, and migrating projects
- Apply best practices for Desktop Connector, ACC, and Civil 3D

CAPABILITIES

- Model Co-authoring for Linear Infrastructure

OUTCOMES

- Ensure Business Continuity
- Increase Workload Capacity
- Reduce Time to Design Approval
- Improve Collaboration
- Manage Design and Project Complexity

RELATED PRODUCTS

- BIM Collaborate Pro
- Civil 3D

ROLE

- BIM manager
- Civil engineer

INDUSTRY

- AEC

Revit collaboration in BIM Collaborate Pro

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to package, link, and publish Revit models in BIM Collaborate Pro.

CAPABILITIES

- Document Management
- Collaborative Authoring

OUTCOMES

- Reduce Errors and Rework
- Improve Satisfaction
- Reduce Overall Design Time
- Improve Forecast Accuracy
- Improve Collaboration

RELATED PRODUCTS

- Docs

ROLE

- IT/software manager
- IT/software administrator
- Fire systems engineer/technician
- IT/comms engineer/technician
- Engineer (Other specialities)

INDUSTRY

- AEC

How to start and administer a project in ACC

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to manage the ACC account site and initiate a BIM Collaborate Pro project.

CAPABILITIES

- Infrastructure and Platform Management
- Collaborative Authoring

OUTCOMES

- Increase Workload Capacity
- Reduce Overall Design Time
- Improve Collaboration
- Improve Data Exchange
- Ensure Business Continuity

RELATED PRODUCTS

- BIM Collaborate Pro

ROLE

- Chief information officer
- Chief technical officer
- IT/software manager
- IT/software administrator
- Studio owner

INDUSTRY

- AEC

How to set up a Civil 3D project in ACC

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn best practices for setting up Civil 3D projects in BIM Collaborate Pro, including defining roles and responsibilities and migrating existing projects to the cloud.

Topics covered:

- Identify requirements for setting up Civil 3D projects in BIM Collaborate Pro
- Migrate existing Civil 3D projects to the cloud
- Use Desktop Connector for project integration
- Connect to a project as an invited user

CAPABILITIES

- Model Co-authoring for Linear Infrastructure

OUTCOMES

- Ensure Business Continuity
- Increase Workload Capacity
- Reduce Overall Design Time
- Improve Collaboration
- Manage Design and Project Complexity

RELATED PRODUCTS

- Civil 3D
- Docs

ROLE

- Design manager/director
- BIM manager

INDUSTRY

- AEC

Share models using Autodesk BIM Collaborate

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn to share project files and models with other teams using Autodesk BIM Collaborate to build an effective document management process.

CAPABILITIES

- Document Management

OUTCOMES

- Reduce Errors and Rework
- Improve Satisfaction
- Reduce Overall Design Time
- Improve Forecast Accuracy
- Improve Collaboration

RELATED PRODUCTS

- BIM Collaborate Pro

ROLE

- CAD manager
- BIM manager
- IT/software administrator
- IT/software manager

INDUSTRY

- AEC

Introduction to Design collaboration in ACC

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to efficiently use Design Collaboration in ACC by setting up a collaborative environment across multiple stakeholders and managing design changes.

CAPABILITIES

- Model Co-authoring for Linear Infrastructure
- Design Management

OUTCOMES

- Ensure Business Continuity
- Increase Workload Capacity
- Reduce Overall Design Time
- Improve Collaboration
- Manage Design and Project Complexity

RELATED PRODUCTS

- BIM Collaborate Pro

ROLE

- Project manager
- BIM manager
- Product manager
- Product designer

INDUSTRY

- AEC

Bridge for Revit cloud linking

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn the concepts of ACC Bridge and how to use it in Revit cloud linking workflows.

CAPABILITIES

- Design Collaboration
- Collaborative Authoring

OUTCOMES

- Improve Collaboration
- Improve Design Quality
- Realtime Collaboration

RELATED PRODUCTS

- BIM Collaborate Pro

ROLE

- BIM Modeller
- BIM Coordinator
- BIM manager

INDUSTRY

- AEC

Navisworks & Revit Issues Add-in for Model Coordination

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn the workflow of issue management using the Issues Add-in. Manage and resolve issues efficiently with bidirectional sync between ACC and authoring tools.

CAPABILITIES

- Coordination
- Design Collaboration

OUTCOMES

- Improve Collaboration
- Improve Quality and Reliability
- Manage Design and Project Complexity

RELATED PRODUCTS

- BIM Collaborate Pro

ROLE

- BIM manager
- Engineer
- BIM Modeller
- BIM Coordinator

INDUSTRY

- AEC

Introduction to ACC Model Coordination

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Discover how Model Coordination in Autodesk Construction Cloud (ACC) centralizes project models for real-time clash detection and resolution, streamlining collaboration across disciplines and minimizing rework.

CAPABILITIES

- Coordination
- Design Collaboration

OUTCOMES

- Improve Collaboration
- Reduce Overall Design Time
- Manage Design and Project Complexity
- Reduce Errors and Rework

RELATED PRODUCTS

- BIM Collaborate Pro

ROLE

- Project manager
- BIM manager
- BIM Coordinator
- Designer
- BIM Modeler

INDUSTRY

- AEC

Introduction to Computational Fluid Dynamics (CFD)

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get familiar with Autodesk CFD workflows to predict product performance, optimize designs, and validate product behavior prior to manufacturing.

Topics covered:

- Understanding CAD to CFD interoperability
- Applying real world physics to the geometry
- Boundary conditions, meshing, analysis options/controls and solve
- Review and visualization of various results, decision center, and cloning

CAPABILITIES

- CFD Analysis
- Product Simulation

OUTCOMES

- Reduce Claims or Litigations
- Provide Healthy Environments
- Increase Stakeholder Buy-In
- Exceed Performance Requirements
- Reduce Environmental Impact

RELATED PRODUCTS

- CFD

ROLE

- Environmental Engineer
- Designer
- Building architect
- CAE Engineer
- Simulation Engineer
- Product designer

INDUSTRY

- MFG
- AEC

How to Design for safer air quality

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to identify areas of risk in buildings and explore mitigation strategies for occupant safety using Autodesk CFD.

Topics covered:

- Overview of safer air quality
- Autodesk Computational Fluid Dynamics (CFD) for Design IAQ simulations
- Setting up the CFD models for air quality simulations
- Determining the Local Mean Age (LMA) of air
- Using traces

CAPABILITIES

- CFD Analysis
- Mobility Simulation

OUTCOMES

- Reduce Claims or Litigations
- Provide Healthy Environments
- Increase Stakeholder Buy-In
- Exceed Performance Requirements
- Reduce Environmental Impact

RELATED PRODUCTS

- Revit
- Fusion
- CFD

ROLE

- Environmental Engineer
- Designer
- Building architect
- CAE Engineer
- Simulation Engineer
- Product designer

INDUSTRY

- MFG
- AEC

CFD Advance Mesh settings

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

A comprehensive understanding of advanced meshing settings in Autodesk CFD and helping users enhance their mesh quality and efficiency.

Topics covered:

- Minimum Refinement Length (MRL)
- Advanced Meshing Controls
- Surface and Gap Refinement
- Nodal Aspect Ratio (NAR)

CAPABILITIES

- CFD Analysis
- Product Simulation

OUTCOMES

- Reduce Claims or Litigations
- Provide Healthy Environments
- Increase Stakeholder Buy-In
- Exceed Performance Requirements
- Reduce Environmental Impact

RELATED PRODUCTS

- CFD

ROLE

- Environmental Engineer
- Designer
- Building architect
- CAE Engineer
- Simulation Engineer
- Product designer

INDUSTRY

- MFG
- AEC

Results and Visualization in Autodesk CFD

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get familiar with various types of results in Autodesk CFD and validate your products better.

Covers different types of results:

- Global,
- Planes
- Traces
- ISO surfaces
- ISO volumes
- Wall calculations

CAPABILITIES

- CFD Analysis
- Product Simulation

OUTCOMES

- Reduce Claims or Litigations
- Provide Healthy Environments
- Increase Stakeholder Buy-In
- Exceed Performance Requirements
- Reduce Environmental Impact

RELATED PRODUCTS

- CFD

ROLE

- Environmental Engineer
- Designer
- Building architect
- CAE Engineer
- Simulation Engineer
- Product designer

INDUSTRY

- MFG
- AEC

Scalar Analysis using Autodesk CFD

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn to perform scalar analysis for mixing fluids using Autodesk CFD.

Topics covered:

- Fixed and variable fluid properties in scalar mixing analysis
- Highlighting how fluid properties can be set to be a function of scalar or temperature

CAPABILITIES

- CFD Analysis
- Product Simulation

OUTCOMES

- Reduce Claims or Litigations
- Provide Healthy Environments
- Increase Stakeholder Buy-In
- Exceed Performance Requirements
- Reduce Environmental Impact

RELATED PRODUCTS

- CFD

ROLE

- Environmental Engineer
- Designer
- Building architect
- CAE Engineer
- Simulation Engineer
- Product designer

INDUSTRY

- MFG
- AEC

Leveraging Autodesk CFD for Valve Design

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how Autodesk CFD helps with Flow Management in Valves.

Topics covered:

- Valve performance
- Flow Optimization
- Result comparison

CAPABILITIES

- CFD Analysis
- Product Simulation

OUTCOMES

- Reduce Claims or Litigations
- Provide Healthy Environments
- Increase Stakeholder Buy-In
- Exceed Performance Requirements
- Reduce Environmental Impact

RELATED PRODUCTS

- CFD

ROLE

- Environmental Engineer
- Designer
- Building architect
- CAE Engineer
- Simulation Engineer
- Product designer

INDUSTRY

- MFG

Data Center design using Autodesk CFD

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to perform a CFD analysis over Data Centers and obtain the best configuration of your Data Center.

Topics covered:

- Preparing Revit models for simulation
- Launching active models
- Assigning materials
- Setting boundary conditions
- Solving models
- Tracking airflow and temperatures using cut planes
- Visualizing 3D flow and temperature with iso surfaces
- Adding trace results
- Comparing design iterations

CAPABILITIES

- CFD Analysis
- Product Simulation

OUTCOMES

- Reduce Claims or Litigations
- Provide Healthy Environments
- Increase Stakeholder Buy-In
- Exceed Performance Requirements
- Reduce Environmental Impact

RELATED PRODUCTS

- CFD
- Revit

ROLE

- Environmental Engineer
- Designer
- Building architect
- CAE Engineer
- Simulation Engineer
- Product designer

INDUSTRY

- MFG
- AEC

Share data between Civil 3D, Revit, and InfraWorks

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Optimize data exchange between Civil 3D, Revit, and InfraWorks to minimize coordination errors.

Topics covered:

- Coordinate systems
- Collaborate with Civil 3D
- Collaborate with Revit
- Collaborate with InfraWorks

CAPABILITIES

- Information Management
- Knowledge Management

OUTCOMES

- Improve Data Exchange
- Reduce Environmental Impact
- Improve Handover Experience
- Improve Collaboration
- Improve Forecast Accuracy

RELATED PRODUCTS

- InfraWorks
- Revit
- Civil 3D

ROLE

- Civil engineer

INDUSTRY

- AEC

Introduction to Civil 3D roadway design

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to create a corridor in Civil 3D using alignments, profiles and assemblies for a roadway project.

Topics covered:

- Alignment creation and modification
- Profile creation and modification
- Assembly creation
- Corridor creation and modification

CAPABILITIES

- Road and Highway Modeling

OUTCOMES

- Manage Design and Project Complexity
- Improve Collaboration
- Reduce Errors and Rework

RELATED PRODUCTS

- Civil 3D

ROLE

- Civil engineer

INDUSTRY

- AEC

Work with point cloud data in Civil 3D and InfraWorks

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to extract and manage meaningful objects from point cloud data sources to capture existing conditions for infrastructure projects.

Topics covered:

- Typical point cloud workflows.
- How and why point cloud data is used and collected.
- Point Clouds from GIS Sources and from photogrammetry.
- Considerations for using point clouds in your projects.

CAPABILITIES

- Condition Monitoring and Assessment
- Existing Conditions Modeling

OUTCOMES

- Provide Healthy Environments
- Reduce Claims or Litigations
- Increase Recognition as Industry Leaders
- Expand and Diversify Services
- Optimize Asset Life Expectancy and Resiliency

RELATED PRODUCTS

- InfraWorks
- Civil 3D

ROLE

- Civil engineer

INDUSTRY

- AEC

Optimize large data sets in Civil 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Work with Civil 3D objects, use data shortcuts, and prevent performance issues with the style reference manager.

Topics covered:

- Best practices for keeping DWG files healthy...
- Best ways to work with Civil 3D objects
- Use data shortcuts to organize and optimize
- Show your large Civil 3D model who's boss (hint: it's YOU).

CAPABILITIES

- Rail Track Modeling
- Rail Track Analysis
- Road and Highway Analysis
- Road and Highway Modeling

OUTCOMES

- Reduce Overall Design Time
- Improve Data Exchange
- Manage Design and Project Complexity
- Reduce Errors and Rework
- Meet or Exceed Design Requirements

RELATED PRODUCTS

- Civil 3D

ROLE

- 3D generalist
- 3D visualization artist
- Field/site personnel

INDUSTRY

- AEC

Introduction to Civil 3D Subassembly Composer

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn Autodesk Civil 3D workflows for managing complex corridor geometry with Subassembly Composer (SAC).

Topics covered:

- Overview and benefits of SAC
- Develop a custom subassembly
- Compose simple subassemblies
- Import and model corridors using a custom subassembly
- SAC tips and tricks

CAPABILITIES

- Rail Track Modeling
- Rail Track Analysis
- Road and Highway Modeling
- Road and Highway Analysis

OUTCOMES

- Reduce Overall Design Time
- Improve Data Exchange
- Manage Design and Project Complexity
- Reduce Errors and Rework
- Meet or Exceed Design Requirements

RELATED PRODUCTS

- Civil 3D

ROLE

- Civil engineer

INDUSTRY

- AEC

Enhance BIM data in Civil 3D using property set styles

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Add user-defined information to your Civil 3D Model and manage that data in your expanded workflows.

Topics covered:

- Define property sets by using the style manager.
- Select drawing objects and assign using the AutoCAD properties palette.
- Enter data into the properties palette.
- Access and use the custom properties in your workflow.

CAPABILITIES

- Information Management

OUTCOMES

- Improve Data Exchange
- Reduce Environmental Impact
- Improve Handover Experience
- Improve Collaboration
- Improve Forecast Accuracy

RELATED PRODUCTS

- Civil 3D

ROLE

- Civil engineer

INDUSTRY

- AEC

How to set up Civil 3D for AEC projects

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Use project structures, the Civil 3D object catalog, data management best practices, and understand the importance of purpose-driven drawing templates.

Topics covered:

- Key data management practices for maintaining efficient drawing performance and design team collaboration.
- Importance of purpose-driven drawing templates with standardized layers, styles, labels, and object catalogs.
- Recommendations for sharing Civil 3D object catalogs within the design group.

CAPABILITIES

- Rail Track Modeling
- Rail Track Analysis
- Information Management
- Road and Highway Modeling
- Road and Highway Analysis

OUTCOMES

- Reduce Overall Design Time
- Improve Data Exchange
- Manage Design and Project Complexity
- Reduce Errors and Rework
- Meet or Exceed Design Requirements

RELATED PRODUCTS

- Civil 3D

ROLE

- BIM manager
- Civil engineer

INDUSTRY

- AEC

Introduction to project explorer for Civil 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Use project explorer features and tools to streamline editing and object creation tasks.

Topics covered:

- Project explorer introduction and benefits
- Navigating, editing, and comparing Civil objects
- Using project explorer efficiently
- Exporting Civil 3D designs to 2D AutoCAD drawings
- Modifying and saving project explorer settings

CAPABILITIES

- Digital Drafting
- Drainage Modeling
- Temporary Works Design
- Road and Highway Modeling

OUTCOMES

- Reduce Overall Design Time
- Increase Workload Capacity
- Manage Design and Project Complexity
- Reduce Environmental Impact
- Improve Data Exchange

RELATED PRODUCTS

- Civil 3D

ROLE

- Civil engineer

INDUSTRY

- AEC

Automate grading tasks using Civil 3D grading optimization

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Assess grading designs based on project constraints, explore alternatives to determine the best solution, and return the optimized grading plan to Civil 3D for detailed design.

Topics Covered:

- Prepare your drawing for grading optimization.
- Understand the user interface and object browser.
- Assign grading objects to your geometry. Apply settings and constraint.
- Understand and work in the visualization display.
- Perform a grading optimization and return the results to your drawing.

CAPABILITIES

- Site Model Authoring

OUTCOMES

- Manage Design and Project Complexity
- Reduce Errors and Rework
- Reduce Environmental Impact
- Reduce Overall Design Time
- Improve Win Rate

RELATED PRODUCTS

- Civil 3D

ROLE

- 3D generalist
- 3D visualization artist
- Field/site personnel
- Civil engineer

INDUSTRY

- AEC

Best practices for using Civil 3D in Autodesk Construction Cloud

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Best practices for using Civil 3D with Autodesk Construction Cloud.

Topic Covered:

- Best practices within Civil 3D
- Best practices within ACC
- Best practices within Desktop Connector
- General best practices

RELATED PRODUCTS

- Civil 3D, Docs

ROLE

- BIM manager
- CAD manager

INDUSTRY

- AEC

CAPABILITIES

- Building Conceptual Modeling
- Collaborative Authoring
- Data Interoperability
- Data Management
- Design Collaboration

OUTCOMES

- Accelerate Project Deployment
- Improve Collaboration
- Improve User Uptime
- Increase User Productivity
- Reduce Time to Design Approval
- Reduce Overall Design Time

Introduction to Civil DataShortcuts

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Use DataShortcuts in Civil 3D for efficient collaboration.

Topics Covered:

- Project Management
- Referencing Data
- Best Practices

CAPABILITIES

- Data Management
- Coordination
- Design Collaboration

OUTCOMES

- Improve Collaboration
- Improve Data Exchange
- Manage Design and Project Complexity
- Reduce Overall Design Time

RELATED PRODUCTS

- Civil 3D

ROLE

- 3D modeler
- BIM manager
- CAD manager
- Civil engineer

INDUSTRY

- AEC

Introduction to the vehicle tracking tool in Civil 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how the vehicle tracking tool does swept path analysis for design vehicles and checks turning movements within roadways.

Topics Covered

- Overview of the Vehicle tracking tool
- Demonstration using a sample design vehicle

CAPABILITIES

- Design Automation (AEC)
- Design Review
- Resource Management
- Road and Highway Analysis
- Site Assessments

OUTCOMES

- Improve Design Quality
- Improve Customer Experience
- Improve Satisfaction
- Improve Quality and Reliability

RELATED PRODUCTS

- Civil 3D

ROLE

- 3D modeler
- CAD manager
- Civil engineer

INDUSTRY

- AEC

Introduction to intersections wizard in Civil 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Use the intersections creation wizard in Civil 3D to create intersections, junctions and roundabouts that comply to design standards.

Topics Covered

- Overview of the wizard in Civil 3D
- Demonstration of creating a junction
- Demonstration of creating an intersection
- Demonstration of creating a roundabout

CAPABILITIES

- Design Automation (AEC), Road and Highway Modeling
- Site Modeling

OUTCOMES

- Improve Design Quality
- Increase User Productivity
- Reduce Overall Design Time

RELATED PRODUCTS

- Civil 3D

ROLE

- 3D modeler
- CAD manager
- Civil engineer

INDUSTRY

- AEC

Introduction to QTO Manager in Civil 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Use the QTO Manager tool for quantity take-off for different material types and sections.

Topics covered:

- Modelling Quantity Take Off (Pay item)
- How to assign it in Code Set Style
- Quantity takeoff
- Sectional volume analysis

CAPABILITIES

- Bill of Materials Management
- Quantification

OUTCOMES

- Improve Cost Control
- Increase User Productivity
- Improve Design Quality

RELATED PRODUCTS

- Civil 3D

ROLE

- 3D modeler
- BIM manager
- CAD manager
- Civil engineer

INDUSTRY

- AEC

Collaboration for Civil 3D using ACC

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Use collaboration features for Civil 3D within Autodesk Construction Cloud (ACC) such as DataShortcuts, design collaboration and Civil 3D tools.

Topics covered

- Desktop Connector
- Using DataShortcuts in ACC
- Introduction to design collaboration
- Civil 3D tools

CAPABILITIES

- Collaborative Authoring
- Coordination
- Data Management
- Design Collaboration
- Model Co-authoring for Linear Infrastructure

OUTCOMES

- Improve Collaboration
- Improve Data Exchange
- Increase User Satisfaction
- Reduce Errors and Rework

RELATED PRODUCTS

- Civil 3D, Docs

ROLE

- BIM manager
- Designer
- CAD manager

INDUSTRY

- AEC

Introduction to gravity pipe network in Civil 3d

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn to create gravity pipe network for different types of utilities. Learn methods of network creation.

Topics covered:

- Catalogs and part list
- Styles and labels
- Laying out rule sets
- Editing network in plan and profile

CAPABILITIES

- Drainage Modeling
- Utilities Modeling
- Pipe Networks

OUTCOMES

- Improve Design Quality
- Reduce Overall Design Time
- Improve Utility Model Collaboration

RELATED PRODUCTS

- Civil 3D

ROLE

- 3D modeler
- CAD manager
- Civil engineer

INDUSTRY

- AEC

Introduction to pressure pipe network in Civil 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Create pressure pipe network using different methods.

Topics covered:

- Catalogs and part list
- Styles and labels
- Laying out rule sets
- Editing network in plan and profile

CAPABILITIES

- Utilities Modeling
- Pipe Networks
- Design Automation (AEC)

OUTCOMES

- Improve Collaboration
- Improve Design Quality
- Improve Utility Model Collaboration
- Reduce Errors and Rework
- Reduce Overall Design Time

RELATED PRODUCTS

- nan

ROLE

- 3D modeler
- Civil engineer

INDUSTRY

- AEC

Introduction to part builder in Civil 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Create and modify the gravity pipe network catalog, pipes and structures of different material, shapes and sizes.

CAPABILITIES

- Utilities Modeling
- Design Visualization
- Design Collaboration

OUTCOMES

- Improve Design Quality
- Reduce Errors and Rework
- Improve Utility Model Collaboration

RELATED PRODUCTS

ROLE

- 3D modeler
- CAD manager
- Civil engineer

INDUSTRY

- AEC

How to manage the pressure part catalog in Civil 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Create and modify the pressure network part catalog using content catalog editor.

CAPABILITIES

- Site Modeling
- Pipe Networks
- Utilities Modeling

OUTCOMES

- Reduce Errors and Rework
- Improve Utility Model Collaboration
- Improve Collaboration
- Improve Design Quality

RELATED PRODUCTS

- Content Catalog

ROLE

- 3D modeler
- CAD manager
- Civil engineer

INDUSTRY

- AEC

How to analyze gravity pipe network in Civil 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Do quick analysis of a storm network in Civil 3D. Analyze pipe sizing, inlet sizing and surcharge

CAPABILITIES

- Design Automation (AEC)
- Design Review
- Drainage Modeling

OUTCOMES

- Improve Design Quality
- Improve Customer Experience
- Improve Water Management
- Reduce Environmental Impact

RELATED PRODUCTS

ROLE

- Civil engineer

INDUSTRY

- AEC

How to set up AEC projects in Civil 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Use purpose driven drawing templates with standard layers, styles, labels and object catalogs. Understand the data management practices for efficient drawing performance and collaboration.

Topics Covered:

- Use the drawing templates
- Use the tool palette
- Share Civil 3D object catalogs

CAPABILITIES

- Road and Highway Modeling
- Pipe Networks

OUTCOMES

- Accelerate Project Deployment
- Reduce Errors and Rework
- Manage Design and Project Complexity

RELATED PRODUCTS

- Civil 3D

ROLE

- BIM manager
- CAD manager
- Civil engineer

INDUSTRY

- AEC

Synchronize changes with the cloud

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how uploading and sharing project files helps establish an effective document management process for your project.

CAPABILITIES

- Document Management

OUTCOMES

- Reduce Errors and Rework
- Improve Satisfaction
- Reduce Overall Design Time
- Improve Forecast Accuracy
- Improve Collaboration

RELATED PRODUCTS

- Docs

ROLE

- BIM manager

INDUSTRY

- AEC

Upload models and docs to the cloud with ACC Docs

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to connect field and office teams by uploading document sets and models to Autodesk Docs and issuing them to project team members for easy access.

CAPABILITIES

- Document Management

OUTCOMES

- Reduce Errors and Rework
- Improve Satisfaction
- Reduce Overall Design Time
- Improve Forecast Accuracy
- Improve Collaboration

RELATED PRODUCTS

- Docs

ROLE

- CAD manager
- BIM manager
- IT/software manager
- IT/software administrator

INDUSTRY

- AEC

Review and approve documents in ACC

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to create, edit, and manage approval workflows in ACC. Support your team in initiating and completing design reviews. Enable document managers to control, automate, and track file distribution through documented workflows.

CAPABILITIES

- Document Management

OUTCOMES

- Reduce Errors and Rework
- Improve Satisfaction
- Reduce Overall Design Time
- Improve Forecast Accuracy
- Improve Collaboration

RELATED PRODUCTS

- Docs

ROLE

- CAD manager
- BIM manager
- Project manager

INDUSTRY

- AEC

Issue document sets using transmittals in ACC Docs

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to create and manage transmittals in ACC Docs to digitally issue document sets to project teams and eliminate the need for paper plans.

CAPABILITIES

- Document Management

OUTCOMES

- Reduce Errors and Rework
- Improve Satisfaction
- Reduce Overall Design Time
- Improve Forecast Accuracy
- Improve Collaboration

RELATED PRODUCTS

- Docs

ROLE

- CAD manager
- BIM manager
- Project manager

INDUSTRY

- AEC

Set folder structures and permissions in ACC Docs

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to create a project site in Autodesk Docs, define a folder structure, and apply permissions to ensure the right access.

CAPABILITIES

- Document Management

OUTCOMES

- Reduce Errors and Rework
- Improve Satisfaction
- Reduce Overall Design Time
- Improve Forecast Accuracy
- Improve Collaboration

RELATED PRODUCTS

- BIM Collaborate Pro
- Docs

ROLE

- CAD manager
- BIM manager
- IT/software manager
- IT/software administrator

INDUSTRY

- AEC

Autodesk Docs overview

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Explore the functionalities of ACC Docs.

CAPABILITIES

- BIM Standards Management
- Change Management
- Collaborative Authoring
- Coordination
- Design Communication

OUTCOMES

- Expand and Diversify Services
- Improve Design Quality
- Improve Collaboration
- Manage Design and Project Complexity
- Increase Digital Maturity

RELATED PRODUCTS

- Docs

ROLE

- BIM Coordinator
- BIM manager
- Document controller
- Product manager
- 3D modeler

INDUSTRY

- AEC
- MFG

Understanding Worksharing in ACC

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn about Worksharing in ACC for Revit models.

CAPABILITIES

- BIM Standards Management
- Collaborative Authoring
- Coordination
- Design Collaboration

OUTCOMES

- Improve Collaboration
- Realtime Collaboration

RELATED PRODUCTS

- Docs

ROLE

- 3D modeler
- BIM manager
- BIM Coordinator
- Project manager

INDUSTRY

- AEC

Communicate design changes in Autodesk Docs

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn to communicate and utilize different tools in ACC Docs for effective change management.

CAPABILITIES

- Change Management
- Collaborative Authoring
- Design Communication
- Project Management
- Technical Documentation

OUTCOMES

- Manage Design and Project Complexity
- Improve Collaboration
- Improve Satisfaction
- Improve Design Quality
- Improve Quality and Reliability
- Reduce Construction Rework
- Increase Transparency
- Realtime Collaboration

RELATED PRODUCTS

- Docs

ROLE

- BIM manager
- CAD manager
- Electrical technician
- BIM Coordinator
- BIM Modeller
- Structural engineer

INDUSTRY

- AEC

Naming standards in ACC Docs

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn about naming standards in ACC Docs.

CAPABILITIES

- BIM Standards Management
- Coordination
- Information Management

OUTCOMES

- Understanding ISO 1950 and the Naming Standards
- Learning to create Naming Standards
- Configuring the CDE for our Naming Standards
- Enforcing stakeholders to adhere to the Naming Standards from the CDE

RELATED PRODUCTS

- Docs

ROLE

- BIM Coordinator
- BIM manager
- Project manager

INDUSTRY

- AEC

Introduction to ACC Docs Bridge

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn about ACC Docs Bridge and its role in enhancing workflows.

CAPABILITIES

- Information Management
- Design Communication

OUTCOMES

- Improve Collaboration
- Improve Handover Experience
- Manage Design and Project Complexity
- Realtime Collaboration

RELATED PRODUCTS

- Docs

ROLE

- BIM manager
- BIM Coordinator

INDUSTRY

- AEC

Issue management in ACC Docs

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn to manage and create issues in ACC Docs.

CAPABILITIES

- Coordination
- Project Management
- Issue Management

OUTCOMES

- Reduce Number of Constructability Issues to Site
- Realtime Collaboration

RELATED PRODUCTS

- Docs

ROLE

- BIM Coordinator
- Designer
- 3D modeler
- BIM manager
- CAD manager

INDUSTRY

- AEC

Learn about Dynamo for linear structures

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to use Dynamo to access Autodesk AutoCAD and Civil 3D data, build your own graph, and automate repetitive tasks.

Topics covered:

- Learn how to access AutoCAD and Civil 3D information.
- Learn how to break down the steps and build your own graph.
- Perform your own design automation for repetitive tasks.

CAPABILITIES

- Computational and Generative Design

OUTCOMES

- Improve Design Quality
- Optimize Material and Energy Usage
- Exceed Performance Requirements
- Improve Win Rate
- Attract and Retain Top Talent

RELATED PRODUCTS

- Civil 3D
- Dynamo

ROLE

- BIM manager
- Civil engineer

INDUSTRY

- AEC

Do data extraction with Dynamo for Civil 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to enhance design data by importing and exporting to Microsoft Excel from Dynamo and Civil 3D.

Topics covered:

- Civil 3D and Dynamo
- Interrogating your model
- Dynamo Excel Link
- Enrich your design

CAPABILITIES

- Computational and Generative Design
- Information Management

OUTCOMES

- Improve Design Quality
- Optimize Material and Energy Usage
- Exceed Performance Requirements
- Improve Win Rate
- Attract and Retain Top Talent

RELATED PRODUCTS

- Civil 3D
- Dynamo

ROLE

- Structural engineer
- BIM manager
- Project manager
- Civil engineer

INDUSTRY

- AEC

Automate Revit design workflows with Dynamo

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to how to identify relevant Revit tasks for Autodesk Dynamo, build a graph, organize and document graphs, and automate repetitive structural tasks.

Topics covered:

- Visual programming and textual code.
- Manage Revit parameters.
- Create Revit elements.

CAPABILITIES

- Computational and Generative Design

OUTCOMES

- Improve Design Quality
- Optimize Material and Energy Usage
- Exceed Performance Requirements
- Improve Win Rate
- Attract and Retain Top Talent

RELATED PRODUCTS

- Dynamo
- Revit

ROLE

- BIM manager
- Computational designer
- IT/software manager
- IT/software administrator
- Project manager

INDUSTRY

- AEC

Data management in Dynamo using lists and dictionaries

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to use lists and dictionaries to manage data within Dynamo. Understand various list and dictionary operations and see real world examples.

Topics covered:

- Working with lists
- List transpose
- List lacing
- List level
- Code block
- Dictionaries

CAPABILITIES

- Computational and Generative Design

OUTCOMES

- Improve Design Quality
- Increase User Productivity
- Exceed Performance Requirements
- Improve Win Rate
- Attract and Retain Top Talent

RELATED PRODUCTS

- Dynamo

ROLE

- BIM manager
- Computational designer
- IT/software manager
- Software engineer/developer
- Project manager

INDUSTRY

- AEC

Develop custom nodes with Python in Dynamo

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Extend the capabilities of Dynamo by creating custom nodes using Python.

Topics covered:

- Dynamo vs Code block vs Python vs Revit API
- Typical Python syntax
- Import additional modules
- Create sample Python scripts

CAPABILITIES

- Computational and Generative Design
- Software Development

OUTCOMES

- Increase User Productivity
- Improve Design Quality

RELATED PRODUCTS

- Dynamo

ROLE

- Computational designer
- Software engineer/
developer

INDUSTRY

- AEC

What's new in Dynamo for Revit/Civil 3D?

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get to know the latest features releases in Dynamo Core, Dynamo for Revit and Dynamo for Civil 3D.

CAPABILITIES

- Computational and Generative Design
- Software Development

OUTCOMES

- Increase User Productivity
- Improve Design Quality

RELATED PRODUCTS

- [Dynamo](#)

ROLE

- Software engineer/
developer,
- Computational designer

INDUSTRY

- [AEC](#)

Learn about generative design in Revit using Dynamo

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Understand how to use generative design processes to automate the generation, evaluation, and optimization of a design based on constraints and goals set by the designer.

Topics covered:

- What is generative design?
- Why should you use generative design?
- Generative design process
- Tools for generative design
- Generative design for Revit

CAPABILITIES

- Computational and Generative Design
- Architectural Modeling

OUTCOMES

- Increase User Productivity
- Improve Design Quality

RELATED PRODUCTS

- Dynamo

ROLE

- Building architect
- BIM Modeller
- Computational designer

INDUSTRY

- AEC

Introduction to Flow Generative Scheduling

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Scope, deadline and resource availability are all constraints that impact a schedule. Flow Generative Scheduling simplifies the scheduling iteration process by allowing you to quickly adapt to changing constraints.

CAPABILITIES

- Pre-Production
- Project Management
- Shot Management
- Task and Process Automation
- Workload Management

OUTCOMES

- Increase Task and Process Automation
- Improve Resource Planning

RELATED PRODUCTS

- Flow Generative Scheduling

ROLE

- Producer
- Digital producer
- Production coordinator/
data wrangler
- Project manager
- Studio owner

INDUSTRY

- M&E
- MFG
- AEC

Introduction to Review Tools

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get an introduction to each of Flow Production Tracking's review tools and who can benefit the most from their use.

CAPABILITIES

- Creative Review and Approval

OUTCOMES

- Accelerate Creative Review and Approval
- Improve Collaboration

RELATED PRODUCTS

- Flow Production Tracking

ROLE

- Producer
- Digital producer
- Production coordinator/data wrangler
- Project manager
- Studio owner
- Art director

INDUSTRY

- M&E
- MFG
- AEC

Facilitate Task Creation with Task Templates

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Dive into how to facilitate task creation in Flow Production with task templates. Learn the basic concepts behind templates as well as how to create, update, and apply templates.

CAPABILITIES

- Project Management
- Shot Management
- Task and Process Automation
- Workload Management

OUTCOMES

- Increase Task and Process Automation

RELATED PRODUCTS

- Flow Production Tracking

ROLE

- Producer
- Digital producer
- Production coordinator/
data wrangler
- Project manager

INDUSTRY

- M&E
- MFG
- AEC

Daily Reviews with the Review Notes App

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

The Review Notes App allows users to review versions, take notes, and update linked entity details. Learn all about the app's capabilities and how to use it.

CAPABILITIES

- Creative Review and Approval
- Project Management

OUTCOMES

- Accelerate Creative Review and Approval
- Improve Collaboration

RELATED PRODUCTS

- Flow Production Tracking

ROLE

- Producer
- Digital producer
- Production coordinator/
data wrangler
- Project manager
- Studio owner

INDUSTRY

- M&E
- MFG
- AEC

Import and Update Project Data with Bulk Import

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

You may often find yourself needing to transfer data from spreadsheets into Flow Production Tracking. Facilitate data import, export, and updates into and out of Flow Production Tracking using the bulk import tool.

CAPABILITIES

- Project Management
- Shot Management

OUTCOMES

- Accelerate Project Deployment

RELATED PRODUCTS

- Flow Production Tracking

ROLE

- Producer
- Digital producer
- Production coordinator/
data wrangler
- Project manager

INDUSTRY

- M&E
- MFG
- AEC

Flow Production Tracking's Admin Tools

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

An intro to the tools that Flow Production Tracking admins can use to troubleshoot issues related to performance, emails, and users, including testing your connection, security settings, and access support.

CAPABILITIES

- Project Management

OUTCOMES

- Improve Collaboration
- Improve Product Personalization

RELATED PRODUCTS

- Flow Production Tracking

ROLE

- Producer
- Digital producer
- Production coordinator/
data wrangler
- Project manager
- Studio owner

INDUSTRY

- M&E
- MFG
- AEC

Facilitate Project Creation with Project Templates

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Dive into how to facilitate project creation in Flow Production with project templates. Learn the basic concepts behind templates, including how to create, update, and apply them.

CAPABILITIES

- Pre-Production
- Project Management
- Shot Management
- Task and Process Automation

OUTCOMES

- Improve Product Personalization
- Increase Task and Process Automation
- Accelerate Project Deployment

RELATED PRODUCTS

- Flow Production Tracking

ROLE

- Producer
- Digital producer
- Production coordinator/
data wrangler
- Project manager

INDUSTRY

- M&E
- MFG
- AEC

Resource Planning: Managing Capacity & Workload

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Resource Planning provides teams with a big picture view of studio, project, and individual workload vs. capacity. Learn about initial set up, best practices, and basic troubleshooting with step-by-step solutions.

CAPABILITIES

- Project Management
- Workload Management

OUTCOMES

- Increase Workload Capacity
- Reduce Resource Consumption
- Improve Resource Planning

RELATED PRODUCTS

- Flow Production Tracking

ROLE

- Producer
- Digital producer
- Production coordinator/
data wrangler
- Project manager
- Studio owner

INDUSTRY

- M&E
- MFG
- AEC

Entity Page Creation & Customization

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Pages are how you view, track, and understand the data on your site. Entity pages allow you to track entity records. This covers the basics of entity page creation and customization.

CAPABILITIES

- Project Management
- Shot Management
- Workload Management

OUTCOMES

- Improve Collaboration
- Improve Product Personalization

RELATED PRODUCTS

- Flow Production Tracking

ROLE

- Producer
- Digital producer
- Production coordinator/
data wrangler
- Project manager

INDUSTRY

- M&E
- MFG
- AEC

Manage and Optimize Pages

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn to manage and optimize pages by looking at types of pages and layouts, tools to summarize data, how to track the history of page changes, and how to optimize page performance.

CAPABILITIES

- Project Management
- Shot Management
- Workload Management

OUTCOMES

- Improve Collaboration
- Improve Product Personalization

RELATED PRODUCTS

- Flow Production Tracking

ROLE

- Producer
- Digital producer
- Production coordinator/
data wrangler
- Project manager

INDUSTRY

- M&E
- MFG
- AEC

Manage Team Bookings with Crew Planning

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

The Crew Planning app allows users to visualize bookings. Track which projects each person is booked to work on, when they are on vacation, and when they have availability.

CAPABILITIES

- Project Management

OUTCOMES

- Increase Workload Capacity
- Reduce Resource Consumption

RELATED PRODUCTS

- Flow Production Tracking

ROLE

- Producer
- Digital producer
- Production coordinator/data wrangler
- Project manager
- Studio owner

INDUSTRY

- M&E
- MFG
- AEC

Managing Permissions and Access

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Permission roles enable you to customize data access, ensuring that each user has the necessary information to do their work. Learn about the default permission roles and how to manage them.

CAPABILITIES

- Project Management

OUTCOMES

- Improve Product Personalization

RELATED PRODUCTS

- Flow Production Tracking

ROLE

- Producer
- Digital producer
- Production coordinator/
data wrangler
- Project manager
- Studio owner

INDUSTRY

- M&E
- MFG
- AEC

Canvas Page Creation & Customization

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

This covers data visualization through the use of canvas pages and the power of using widgets to create graphs that represent data visually for the purposes of daily tracking, reporting, and decision making.

CAPABILITIES

- Project Management
- Shot Management
- Workload Management
- Improve Data Driven Decision Making

OUTCOMES

- Improve Collaboration
- Improve Product Personalization

RELATED PRODUCTS

- Flow Production Tracking

ROLE

- Producer
- Digital producer
- Production coordinator/
data wrangler
- Project manager
- Studio owner
- Head of CG

INDUSTRY

- M&E
- MFG
- AEC

Introduction to Fusion Simulation

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get familiar with the Autodesk Fusion 360 simulation environment with an introduction to the static stress analysis.

Topics covered:

- Defining material
- Defining constraints
- Define loads
- Define contacts
- Solve
- Review and compare results

CAPABILITIES

- Machine Simulation
- Factory Simulation
- Product Simulation

OUTCOMES

- Improve Quality and Reliability
- Increase Manufacturing Flexibility,
- Reduce Defects and Non-Conformities
- Reduce Resource Consumption
- Optimize Factory Design

RELATED PRODUCTS

- Fusion

ROLE

- Project manager
- Mechanical engineer
- Product designer
- CAE Engineer
- Simulation Engineer

INDUSTRY

- MFG

Design manufacturing jigs & fixtures in Fusion 360

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Discover how manufacturing engineers adopt Fusion 360 as their primary tool for the design of jigs, tools, and fixtures.

Topics covered:

- 3d model a new fixturing component in Fusion 360 to use in your overall jig/fixture design
- Utilize an existing component in your overall jig/fixture design in Fusion 360
- Integrate an off-the-shelf component in your Fusion 360 workflow for jig/fixture design
- Learn steps to create and share documentation for a design review with your team

CAPABILITIES

- Subtractive Manufacturing
- Part Setup

OUTCOMES

- Reduce Non Value-Add Processes
- Improve Product Performance
- Reduce Defects and Non-Conformities
- Improve Time to Market
- Increase Manufacturing Throughput

RELATED PRODUCTS

- Fusion

ROLE

- CAM engineer
- Manufacturing/production engineer
- Machinist

INDUSTRY

- MFG

Introduction to Generative Design in Fusion

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get familiar with generative design for weight reduction and component consolidation in Fusion 360.

Topics covered:

- Defining preserve regions
- Defining obstacle regions
- Defining loads
- Defining materials
- Defining constraints
- Defining manufacturing methods
- Leverage design exploration

CAPABILITIES

- Product Generative Design

OUTCOMES

- Reduce Environmental Impact
- Unlock Design Creativity
- Improve Vehicle Attributes
- Improve Product Desirability
- Reduce Non Value-Add Processes

RELATED PRODUCTS

- Fusion

ROLE

- Industrial designer
- Product engineer
- Product designer
- Mechanical engineer

INDUSTRY

- MFG

3D modeling for fit and function in Fusion 360

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Understand how manufacturing engineers adopt Fusion 360 as their primary tool for the design of jigs, tools, and fixtures.

Topics covered:

- Assemble components via joints and modify components according to fit, function, and manufacturing method (DFM)
- Understand the steps to prototype subtractive manufacturing process in Fusion 360
- Steps for performance and failure analysis in Fusion 360, for 3D printed parts

CAPABILITIES

- Subtractive Manufacturing
- Part Setup
- Mechanical Design

OUTCOMES

- Reduce Non Value-Add Processes
- Improve Product Performance
- Reduce Defects and Non-Conformities
- Improve Time to Market
- Increase Manufacturing Throughput

RELATED PRODUCTS

- Fusion

ROLE

- CAM engineer
- Manufacturing/production engineer
- Machinist

INDUSTRY

- MFG

Getting started with Fusion Team

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Utilize Fusion Team for data management in product design and manufacturing teams.

Topics covered:

- Accessing Fusion Team through different browsers and platforms
- Managing projects with administrative views
- Understanding different project types including open, closed, and secret projects

CAPABILITIES

- Data Management
- Improve Data Driven Decision Making

OUTCOMES

- Improve Product Performance
- Reduce Defects and Non-Conformities
- Improve Time to Market
- Increase Manufacturing Throughput

RELATED PRODUCTS

- Fusion

ROLE

- Project manager
- Mechanical engineer
- Product engineer
- Product designer

INDUSTRY

- MFG

Introduction to InfraWorks for road and highway design

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Use InfraWorks features and workflows for designing roads and highways.

Topics covered:

- Model housekeeping
- Import data from civil design applications
- Roadway design toolset
- Detailed alignment and profile geometry

RELATED PRODUCTS

- InfraWorks

ROLE

- Civil engineer

CAPABILITIES

- Road and Highway Modeling
- Infrastructure Conceptual Modeling

OUTCOMES

- Reduce Overall Design Time
- Improve Data Exchange
- Manage Design and Project Complexity
- Reduce Errors and Rework
- Meet or Exceed Design Requirements

INDUSTRY

- AEC

Introduction to InfraWorks (General)

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn to use InfraWorks features and workflows including model builder, cloud collaboration, and more.

Topics covered:

- Can my computer run InfraWorks?
- InfraWorks key concepts
- Model management
- Optimizing model performance

RELATED PRODUCTS

- InfraWorks

ROLE

- Civil engineer

CAPABILITIES

- Rail Track Modeling
- Road and Highway Modeling
- Civil Structure Modeling
- Existing Conditions Modeling
- Infrastructure Conceptual Modeling

OUTCOMES

- Reduce Overall Design Time
- Improve Data Exchange
- Manage Design and Project Complexity
- Reduce Errors and Rework
- Meet or Exceed Design Requirements

INDUSTRY

- AEC

Collaboration with Autodesk Construction Cloud and InfraWorks

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Work collaboratively with InfraWorks models using Autodesk Construction Cloud. Understand customization options within InfraWorks to aid your design process.

RELATED PRODUCTS

- InfraWorks

ROLE

- 3D modeler
- BIM manager
- CAD manager

CAPABILITIES

- Design Collaboration
- Design Visualization

OUTCOMES

- Improve Collaboration
- Improve Data Exchange

INDUSTRY

- AEC

How to Export Inventor models as .ifc

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to prepare your existing design content in Autodesk Inventor and publish it for use in Revit and BIM 360.

Topics covered:

- Prepare Inventor data
- Publish Revit Family
- Use Inventor data in Revit
- Publish Revit Data to BIM 360

CAPABILITIES

- Concrete Detailing & Fabrication
- Steel Detailing & Fabrication
- Civil Structure Modeling
- Coordination
- Factory Layouts and Planning

OUTCOMES

- Reduce Claims or Litigations
- Manage Design and Project Complexity
- Reduce Errors and Rework
- Improve Data Exchange
- Reduce Number of Constructability Issues to Site

RELATED PRODUCTS

- Revit
- Inventor Products

ROLE

- BIM manager
- Product designer
- Industrial process engineer
- Mechanical engineer

INDUSTRY

- AEC
- MFG

Introduction to Assemblies in Inventor

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get familiar with the features and workflows for large assemblies in Autodesk Inventor.

Topics covered:

- Establishing your start
- Origin point in sketches
- Origin planes
- Leverage constraints

CAPABILITIES

- Mechanical Design
- Model-Based Definition

OUTCOMES

- Improve Vehicle Attributes
- Improve Product Desirability
- Reduce Environmental Impact
- Improve Product Performance
- Increase Product Development Agility

RELATED PRODUCTS

- Inventor Products

ROLE

- Industrial designer
- Designer

INDUSTRY

- MFG

How to analyze geometries with Inventor Nastran

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to use CAD-embedded FEA workflows for structural element analysis in Inventor Nastran.

Topics covered:

- Introduction to the Nastran Environment
- Linear Static Analysis Overview with Solid Elements
- Defining Idealizations Element Type and Material
- Mesh Settings
- Boundary Conditions Constraints and Loads
- Analysis Results
- Generating a Report
- How to Duplicate an Analysis
- Linear Static Analysis Overview with Shell Elements
- Introduction to Contact
- Mesh Convergence

CAPABILITIES

- Product Simulation

OUTCOMES

- Reduce Environmental Impact
- Improve Time to Market
- Expand Product Offerings
- Reduce Defects and Non-Conformities
- Improve Vehicle Attributes

RELATED PRODUCTS

- Inventor Nastran

ROLE

- Product designer
- Mechanical engineer

INDUSTRY

- MFG

Introduction to Inventor Studio

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Develop renderings using the tools of Autodesk Inventor Studio.

Topics covered:

- Access the tools of the Inventor Studio within Autodesk Inventor
- Apply appearance overrides to components
- Using the Render Image tool to generate a rendered image using basic setting changes
- Explore lighting options for adding highlights
- Create a camera to control the perspective of the model in the scene
- Make modifications to the scene properties
- Define a camera path & create an animated rendering

CAPABILITIES

- Mechanical Design
- Technical Documentation
- Design Visualization

OUTCOMES

- Improve Vehicle Attributes
- Improve Product Desirability
- Reduce Environmental Impact
- Improve Product Performance
- Increase Product Development Agility

RELATED PRODUCTS

- Inventor Products

ROLE

- Product designer
- Mechanical engineer

INDUSTRY

- MFG

Inventor to Revit Interoperability

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn about Inventor to Revit interoperability workflows which improve coordination between Inventor and Revit.

Topics covered:

- Import a Revit model into Inventor
- Simplify the Inventor model using the new Simplify feature (2022 What's New)
- Export an .rvt file from Inventor
- Update the Revit model and automatically push the update to Inventor

CAPABILITIES

- Mechanical Design
- Factory Layouts and Planning

OUTCOMES

- Improve Vehicle Attributes
- Improve Product Desirability
- Reduce Environmental Impact
- Improve Product Performance
- Increase Product Development Agility

RELATED PRODUCTS

- Inventor Products
- Revit

ROLE

- Manufacturing/production engineer
- Facility manager

INDUSTRY

- AEC
- MFG

A modern approach to documentation In Inventor

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to add Geometric Dimensioning Tolerancing (GDT) and other manufacturing information to the model. GDT annotations on the 3D model describe the tolerances, controls, and allowable variation in the model.

Topics covered:

- Annotating a 3D model
- Creating detailed 3D annotation
- Creating views of the annotation
- Sharing the 3D annotation
- Tolerance analysis setup
- Using analysis results

CAPABILITIES

- Mechanical Design
- Manufacturing Documentation
- Technical Documentation

OUTCOMES

- Improve Vehicle Attributes
- Improve Product Desirability
- Reduce Environmental Impact
- Improve Product Performance
- Increase Product Development Agility

RELATED PRODUCTS

- Inventor Products

ROLE

- Product engineer
- Mechanical engineer
- Manufacturing/production engineer

INDUSTRY

- MFG

Tools and methods for successful machine design

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Help optimize productivity while designing an overall machine with multiple assemblies in Inventor.

Topics covered:

- Select the right modelling method
- Identify areas of your workflow that can be improved
- Experiment with movement in your assemblies
- Demonstrate different stages of a parts lifecycle

CAPABILITIES

- Mechanical Design

OUTCOMES

- Improve Vehicle Attributes
- Improve Product Desirability
- Reduce Environmental Impact
- Improve Product Performance
- Increase Product Development Agility

RELATED PRODUCTS

- Inventor Products

ROLE

- Industrial designer
- Mechanical engineer

INDUSTRY

- MFG

Introduction to Inventor Model States

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

An overview of Model States explaining the various uses for and the methods behind each process.

Topics covered:

- Recognize when to use Model States
- Understand what settings can be controlled
- Construct Model States
- Organize and link Model States
- Prepare a Model State for substitution
- Apply Model States to drawings and presentations

CAPABILITIES

- Model-Based Definition
- Mechanical Design

OUTCOMES

- Expand Product Offerings
- Improve Product Personalization
- Improve Vehicle Attributes
- Improve Product Desirability
- Reduce Environmental Impact

RELATED PRODUCTS

- Inventor Products

ROLE

- Industrial designer
- Product engineer
- Mechanical engineer

INDUSTRY

- MFG

Introduction to Inventor Tube and Pipe

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

An introduction to the fundamentals of the Tube and Pipe (TP) environment in Autodesk Inventor.

Topics covered:

- Identify the uses of Tube and Pipe environment
- Understand the file structure of a Tube and Pipe assembly
- Create basic configuration
- Construct piping runs
- Use Place, Connect, and Insert Fitting commands
- Author Tube and Pipe components
- Understand best practices

CAPABILITIES

- Model-Based Definition
- Mechanical Design

OUTCOMES

- Expand Product Offerings
- Improve Product Personalization
- Improve Vehicle Attributes
- Improve Product Desirability
- Reduce Environmental Impact

RELATED PRODUCTS

- Inventor Products

ROLE

- Industrial designer
- Mechanical engineer

INDUSTRY

- MFG

Introduction to Frame Generator

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Discover the features and benefits of the Frame Generator Design Accelerator inside of Autodesk Inventor. Understand the entire workflow, from generating your skeleton model through to producing manufacturing drawings.

Topics include:

- Recognize when to use frame generator
- Construct a skeleton model
- Use various options in the insert frame command
- Prepare members for assembly or welding
- Document assembly and cut lists

CAPABILITIES

- Design Automation
- Model-Based Definition

OUTCOMES

- Improve Product Performance
- Improve Product Personalization
- Improve Time to Market
- Expand Product Offerings
- Reduce Non Value-Add Processes

RELATED PRODUCTS

- Inventor Products

ROLE

- Industrial designer
- Product engineer
- Product designer
- Mechanical engineer

INDUSTRY

- MFG

Inventor Simplify Command

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get an overview of the Inventor Simplify Command explaining the uses for and methods behind each step in the process.

Topics covered:

- Access the Simplify Command from inside Inventor
- Apply Parameters to simplify the assembly model
- Understand options available for exporting and using the simplified assembly

CAPABILITIES

- Mechanical Design

OUTCOMES

- Improve Vehicle Attributes
- Improve Product Desirability
- Reduce Environmental Impact
- Improve Product Performance
- Increase Product Development Agility

RELATED PRODUCTS

- Inventor Products

ROLE

- Industrial designer
- Mechanical engineer

INDUSTRY

- MFG

Machine elements design in mechanical engineering

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to design machine elements in a hypothetical project we provide using Autodesk Inventor and Design Accelerators.

You will learn the following skills:

- Use CAD efficiently to design machines and mechanisms
- Design and calculate shafts
- Design and calculate gears and bearings
- Design and calculate belt drives
- Design and calculate bolted connections
- Design and calculate frames
- Design and calculate other machine elements

CAPABILITIES

- Model-Based Definition

OUTCOMES

- Expand Product Offerings
- Improve Product Personalization

RELATED PRODUCTS

- Inventor Products

ROLE

- Industrial designer
- Product engineer
- Mechanical engineer

INDUSTRY

- MFG

How to utilize Instance Properties in Inventor

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to apply instance properties and then how they can be retrieved in the 3D annotation and drawing environments.

Topics covered:

- Apply Instance Properties
- Understand the difference between Instance and custom iProperties
- Combine Instance Properties with 3D annotations
- Extend parts lists to include Instance Properties
- Construct a drawing using instances in leader text
- Combine Instance Properties with balloons

CAPABILITIES

- Model-Based Definition
- Mechanical Design

OUTCOMES

- Expand Product Offerings
- Improve Product Personalization
- Improve Vehicle Attributes
- Improve Product Desirability
- Reduce Environmental Impact

RELATED PRODUCTS

- Inventor Products

ROLE

- Industrial designer
- Mechanical engineer

INDUSTRY

- MFG

Introduction to Autodesk Inventor iLogic

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Create a general understanding of the capabilities of iLogic and how users can apply it to automate repetitive tasks.

Topics covered:

- Understand what iLogic is
- Understand iLogic capabilities
- Familiarize with User Interface components
- Gain insight on basic Assembly Configurator setup
- Understand drawing automation capabilities
- Understand the differences and pros/cons of VBA and iLogic

CAPABILITIES

- Design Automation
- Model-Based Definition
- Mechanical Design

OUTCOMES

- Improve Product Performance
- Improve Product Personalization
- Improve Time to Market
- Expand Product Offerings
- Reduce Non Value-Add Processes

RELATED PRODUCTS

- Inventor Products

ROLE

- Industrial designer
- Product engineer
- Product designer
- Mechanical engineer

INDUSTRY

- MFG

Inventor Bill of Materials Customization

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

An overview of managing and customizing Bill of Materials (BOM) in Inventor.

Topics covered:

- Viewing model data
- Exporting BOMs
- Sorting and renumbering items
- Selecting columns
- Enabling BOM views
- Merging instance properties
- Updating mass properties
- Creating virtual components
- Managing BOM structures

CAPABILITIES

- Mechanical Design

OUTCOMES

- Improve Product Performance
- Improve Product Personalization
- Improve Time to Market
- Expand Product Offerings

RELATED PRODUCTS

- Inventor Products

ROLE

- Industrial designer
- Product engineer
- Product designer
- Mechanical engineer

INDUSTRY

- MFG

Surface Modeling in Inventor

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Delve into the intricacies of surface modeling in Autodesk Inventor Professional.

Tools covered:

- Stitch
- Boundary Patch
- Sculpt
- Ruled Surface
- Trim
- Extend
- Replace Face
- Repair Bodies
- Fit Mesh Face

CAPABILITIES

- Mechanical Design

OUTCOMES

- Improve Product Performance
- Improve Product Personalization
- Improve Time to Market
- Expand Product Offerings

RELATED PRODUCTS

- Inventor Products

ROLE

- Industrial designer
- Product engineer
- Product designer
- Mechanical engineer

INDUSTRY

- MFG

Introduction to Linear Steady State Heat Transfer

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

An overview on using Inventor Nastran for linear steady-state heat transfer analysis.

Topics covered:

- Defining analysis types
- Idealizing components like circuit boards
- Chips
- Edge connectors
- Assigning custom material properties

CAPABILITIES

- Mechanical Design

OUTCOMES

- Improve Product Performance
- Improve Product Personalization
- Improve Time to Market
- Expand Product Offerings

RELATED PRODUCTS

- Inventor Nastran

ROLE

- Industrial designer
- Product engineer
- Product designer
- Mechanical engineer

INDUSTRY

- MFG

Inventor Introduction to Flexible Assemblies

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

A discovery of creating flexible assemblies in Inventor using 4 different methods and the differences between each.

Topics covered:

- Recognize which method to use
- Understand what settings can be controlled
- Construct flexible assemblies
- Organize Flexible Assemblies so they can be linked
- Apply Flexible Assembly methods to assemblies and drawings

CAPABILITIES

- Mechanical Design

OUTCOMES

- Improve Product Performance
- Improve Product Personalization
- Improve Time to Market
- Expand Product Offerings

RELATED PRODUCTS

- Inventor Products

ROLE

- Industrial designer
- Product engineer
- Product designer
- Mechanical engineer

INDUSTRY

- MFG

Introduction to Linear Static Analysis

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Discover the various features of the program following the same order as the Autodesk Nastran Model Tree entities from top to bottom.

Topics covered:

- Geometry Clean-up/preparation
- Mesh Elements
- Loads
- Constraints
- Contacts
- Results Interpretation
- Analysis setup

CAPABILITIES

- Mechanical Design

OUTCOMES

- Improve Product Performance
- Improve Product Personalization
- Improve Time to Market
- Expand Product Offerings

RELATED PRODUCTS

- Inventor Nastran

ROLE

- Industrial designer
- Product engineer
- Product designer
- Mechanical engineer

INDUSTRY

- MFG

Inventor Working with Constraints and Joints

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Delve into the intricacies of working with constraints and joints in Autodesk Inventor.

Various types of constraints covered, such as:

- Mate
- Axial
- Angle
- Tangential
- Insert
- Symmetry
- Rotation
- Translation
- Transitional
- Constraint set

CAPABILITIES

- Mechanical Design

OUTCOMES

- Improve Product Performance
- Improve Product Personalization
- Improve Time to Market
- Expand Product Offerings

RELATED PRODUCTS

- Inventor Products

ROLE

- Industrial designer
- Product engineer
- Product designer
- Mechanical engineer

INDUSTRY

- MFG

Inventor - Introduction to Content Center

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

The session delves into the intricacies of the Content Center, a repository of parts with approximately 750,000 standard components, highlighting its structure, configuration, and functionalities.

Topics covered:

- Management of libraries
- Use of the Content Center Editor for modifying families
- Advanced search options available.

Also explores the process of copying and editing data, customizing family tables, and authoring parts within the Content Center

CAPABILITIES

- Mechanical Design

OUTCOMES

- Improve Product Performance
- Improve Product Personalization
- Improve Time to Market
- Expand Product Offerings

RELATED PRODUCTS

- Inventor Products

ROLE

- Industrial designer
- Product engineer
- Product designer
- Mechanical engineer

INDUSTRY

- MFG

Inventor Nastran - Normal Modes Analysis

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to setup a normal modes analysis in Inventor Nastran

Topics covered:

It provides a detailed walkthrough on setting up a normal modes analysis, including defining materials, constraints, contacts, and mesh settings.

CAPABILITIES

- Mechanical Design

OUTCOMES

- Improve Product Performance
- Improve Product Personalization
- Improve Time to Market
- Expand Product Offerings

RELATED PRODUCTS

- Inventor Nastran

ROLE

- Industrial designer
- Product engineer
- Product designer
- Mechanical engineer

INDUSTRY

- MFG

USD pipeline and workflow integration

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to integrate Universal Scene Description (USD) into Autodesk Maya to support collaboration, non-destructive editing, and multi-view workflows.

Topics covered:

- Manage USD file formats such as .usd, .usda, .usdc, and .usdz within Maya
- Utilize USD's layering and referencing for non-destructive scene composition
- Customize workflows for complex hierarchies and large datasets
- Explore interoperability with other USD-compatible tools
- Enhance cross-platform collaboration

CAPABILITIES

- Animation, 3D production pipeline

OUTCOMES

- Production Pipeline

RELATED PRODUCTS

- Maya

ROLE

- Technical artist
- Technical director
- 3D Production Pipeline

INDUSTRY

- M&E

Bifrost Procedural FX

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to explore the intricacies of Bifrost, Autodesk Maya's visual programming environment, and harness its capabilities to create procedural effects. Discover how Bifrost's node-based system enables the development of complex simulations and visual effects without traditional scripting. See how Bifrost empowers artists to craft intricate particle systems, fluid dynamics, and volumetric effects through a procedural workflow.

CAPABILITIES

- Animation
- Character FX
- Special FX
- VFX

OUTCOMES

- Enhanced ability to create complex visual effects procedurally, reducing reliance on manual keyframing
- Improved efficiency in developing and iterating on simulations, leading to faster production times

RELATED PRODUCTS

- Maya

ROLE

- VFX artist

INDUSTRY

- M&E

Introduction to Navisworks (Manufacturing)

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to coordinate, review, and present your models using Navisworks.

Topics covered:

- NWS file types and model aggregation
- Clash detection
- TimeLiner
- Model review
- Walkthroughs

CAPABILITIES

- Factory Layouts and Planning
- Coordination
- Design Review
- Factory Simulation

OUTCOMES

- Increase Manufacturing Throughput
- Reduce Non Value-Add Processes
- Reduce Resource Consumption
- Increase Manufacturing Flexibility
- Optimize Factory Design

RELATED PRODUCTS

- Navisworks Products

ROLE

- Manufacturing/production engineer
- Technical and engineering manager
- Industrial designer
- Chief information officer
- Industrial process engineer

INDUSTRY

- MFG

Overview of Navisworks Timeliner and Quantification

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get an overview of Timeliner functionality and the quantification approach..

Topics covered:

- Use Timeliner to configure appearances, create tasks, add selection sets to a task, add multiple tasks, and run the movie.
- Use Timeliner settings, export the Timeliner, add a data source, and create a simulation for the Timeliner.
- Use the quantification approach to set up your workbook, and drag items to the workbook. Takeoff the entire model, and export the takeoff.

CAPABILITIES

- Quantification
- Project Management

OUTCOMES

- Increase Stakeholder Buy-In
- Improve Forecast Accuracy
- Improve Satisfaction
- Optimize Material and Energy Usage
- Increase Cost Predictability

RELATED PRODUCTS

- Navisworks Products

ROLE

- Civil engineer

INDUSTRY

- AEC

Introduction to Navisworks for infrastructure

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to coordinate, review, and present your infrastructure models with Navisworks.

Topics covered:

- Model aggregation
- Clash detection
- TimeLiner
- Model review
- Walkthroughs

CAPABILITIES

- Coordination
- Design Review
- Design Visualization

OUTCOMES

- Reduce Overall Design Time
- Improve Collaboration
- Manage Design and Project Complexity
- Reduce Errors and Rework
- Reduce Safety Incidents

RELATED PRODUCTS

- Navisworks Products

ROLE

- Civil engineer

INDUSTRY

- AEC

How to navigate a Navisworks model walkthrough (Manufacturing)

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to navigate an immersive, animated walk-through of a federated model to identify problems using Navisworks.

Topics covered:

- Prepare federated model for review.
- Do real time navigation.
- Measure, markup, tags and comments.
- Issue output and resolution.

CAPABILITIES

- Factory Layouts and Planning
- Factory Simulation
- Design Visualization
- Coordination
- Design Review

OUTCOMES

- Increase Manufacturing Throughput
- Reduce Non Value-Add Processes
- Reduce Resource Consumption
- Increase Manufacturing Flexibility
- Optimize Factory Design

RELATED PRODUCTS

- Navisworks Products

ROLE

- Project manager

INDUSTRY

- MFG

How to navigate a Navisworks model walkthrough (Building design)

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to navigate an immersive, animated walk-through of a federated model to identify problems using Navisworks.

Topics covered:

- Export discipline specific models from Revit.
- Create federated multi-discipline model in Navisworks.
- Perform model review.
- Export reports.
- Update discipline models in Revit.

CAPABILITIES

- Design Visualization
- Design Review
- Coordination

OUTCOMES

- Expand and Diversify Services
- Reduce Environmental Impact
- Improve Design Quality
- Increase Recognition as Industry Leaders
- Reduce Safety Incidents

RELATED PRODUCTS

- Navisworks Products

ROLE

- Project manager
- Field/site personnel
- Superintendent/foreman

INDUSTRY

- AEC

Identify model coordination issues with Navisworks

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to create and navigate a federated model, control visibility, create viewpoints and mark-ups, and run clash detective between trades.

Topics covered:

- Create a federated model
- Navigate a model
- Control visibility
- Create viewpoints and mark-ups
- Run Clash Detective between trades

CAPABILITIES

- Design Review
- Coordination

OUTCOMES

- Optimize Factory Design
- Improve Time to Market
- Improve Win Rate
- Improve Collaboration
- Reduce Defects at Handover

RELATED PRODUCTS

- Revit
- Navisworks Products

ROLE

- IT/ software manager
- BIM manager

INDUSTRY

- AEC
- MFG

Use Navisworks and Revit add-ins for model coordination

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to enhance model coordination across disciplines using powerful workflows enabled by Navisworks and Revit add-ins, ensuring clash-free design and better collaboration.

Topics Covered:

- Model coordination, and how to set up models for coordination in Revit
- Use Revit add-ins for coordination support, and aggregate models in Navisworks
- Clash detection and issue management.
- Connect Navisworks with Revit for issue resolution
- Best practices and tips

CAPABILITIES

- Design Visualization
- Design Review
- Coordination

OUTCOMES

- Expand and Diversify Services
- Reduce Environmental Impact
- Improve Design Quality
- Increase Recognition as Industry Leaders
- Reduce Safety Incidents

RELATED PRODUCTS

- Navisworks Products

ROLE

- Project manager
- Field/ site personnel
- Superintendent/foreman

INDUSTRY

- AEC

Use Navisworks to link Excel data to objects

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get an overview of enriching Navisworks models by linking external Excel data to objects, enabling more informed project analysis and reporting.

Topics Covered:

- Overview and examples
- Create data link for file or for application, and edit Link
- Setup ODBC
- Error messaging and results
- Import/Export and publish to NWD

CAPABILITIES

- Design Review
- Coordination

OUTCOMES

- Optimize Factory Design
- Improve Time to Market
- Improve Win Rate
- Improve Collaboration
- Reduce Defects at Handover

RELATED PRODUCTS

- Navisworks Products

ROLE

- IT/software manager
- BIM manager

INDUSTRY

- AEC
- MFG

Coordination best practices using Navisworks

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get an overview of effective coordination strategies by leveraging Navisworks tools and aligning them with your BIM Execution Plan to improve clash detection, communication, and model quality.

Topics Covered:

- Plan your clash detective strategy and purpose of taking on the BIM Execution Plan.
- Know the big picture – review the BIG items first and reduce tolerance in steps.
- Set clash templates and search sets in Navisworks and clearance zones in Revit.

CAPABILITIES

- Design Visualization
- Design Review
- Coordination

OUTCOMES

- Expand and Diversify Services
- Reduce Environmental Impact
- Improve Design Quality
- Increase Recognition as Industry Leaders
- Reduce Safety Incidents

RELATED PRODUCTS

- Navisworks Products

ROLE

- Project manager
- Field/ site personnel
- Superintendent/foreman

INDUSTRY

- AEC

Introduction to Navisworks Issues add in

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to enhance model coordination across disciplines using powerful workflows enabled by Navisworks add-in, ensuring clash-free design and better collaboration.

Topics Covered:

- Introduction to Issues add In
- Aggregate models in Navisworks
- Clash detection and issue management
- Connect Navisworks with model coordination for issue resolution
- Best Practices and Tips

CAPABILITIES

- Design Visualization
- Design Review
- Coordination

OUTCOMES

- Expand and Diversify Services
- Reduce Environmental Impact
- Improve Design Quality
- Increase Recognition as Industry Leaders
- Reduce Safety Incidents

RELATED PRODUCTS

- Navisworks Products

ROLE

- Project manager
- Field/ site personnel
- Superintendent/foreman

INDUSTRY

- AEC

Introduction to Autodesk ReCap Professional

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get an overview of Autodesk's reality capture solution, ReCap Pro. Discover how to produce high-resolution 3D models and point clouds from laser scan data.

Topics covered:

- ReCap overview.
- Create a ReCap project.
- Import and register laser scans
- Working with point cloud data.
- Prepare data for easier consumption.

CAPABILITIES

- Existing Conditions Modeling
- Reality Capture

OUTCOMES

- Reduce Overall Design Time
- Optimize Asset Life Expectancy and Resiliency
- Increase Recognition as Industry Leaders
- Expand and Diversify Services
- Provide Healthy Environments

RELATED PRODUCTS

- ReCap

ROLE

- Field/ site personnel
- Estimator/ quantity surveyor
- Construction Manager
- Industrial designer
- Designer

INDUSTRY

- MFG
- AEC

Register point cloud with survey control points

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get an overview of aligning point cloud data with known survey coordinates to ensure geospatial accuracy in your BIM models.

Topics covered:

- Point clouds – What are they made of?
- Use point clouds as design constraints.
- Add survey points to scan projects.

CAPABILITIES

- Existing Conditions Modeling
- Reality Capture

OUTCOMES

- Reduce Overall Design Time
- Optimize Asset Life Expectancy and Resiliency
- Increase Recognition as Industry Leaders
- Expand and Diversify Services
- Provide Healthy Environments

RELATED PRODUCTS

- ReCap

ROLE

- Field/ site personnel
- Estimator/ quantity surveyor
- Construction Manager
- Industrial designer
- Designer

INDUSTRY

- MFG
- AEC

Work with point cloud data in ReCap

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how point cloud data integrates into Civil 3D and InfraWorks workflows for infrastructure design and visualization.

Topics covered:

- Make sure you have enough power under the hood
- General information about point cloud data
- Use ReCap for registration and clean up
- Use point cloud data in Civil 3D and Infraworks

CAPABILITIES

- Existing Conditions Modeling
- Reality Capture

OUTCOMES

- Reduce Overall Design Time
- Optimize Asset Life Expectancy and Resiliency
- Increase Recognition as Industry Leaders
- Expand and Diversify Services
- Provide Healthy Environments

RELATED PRODUCTS

- Civil 3D
- Infraworks

ROLE

- Field/ site personnel
- Estimator/ quantity surveyor
- Construction Manager
- Industrial designer
- Designer

INDUSTRY

- MFG
- AEC

Extract features from point clouds with ReCap Pro, ACC, and Civil 3D

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to extract meaningful features from point cloud data using ReCap Pro and Autodesk Construction Cloud, and bring them into Civil 3D for design and surface creation.

Topics covered:

- Workflow overview and use cases
- Import point cloud into a ReCap Project and publish point cloud to docs
- Access feature extraction, and use feature extraction tools
- Export the completed extractions. Import in Civil 3D and create surface

CAPABILITIES

- Existing Conditions Modeling
- Reality Capture

OUTCOMES

- Reduce Overall Design Time
- Optimize Asset Life Expectancy and Resiliency
- Increase Recognition as Industry Leaders
- Expand and Diversify Services
- Provide Healthy Environments

RELATED PRODUCTS

- ACC
- Civil 3D

ROLE

- Field/ site personnel
- Estimator/ quantity surveyor
- Construction Manager
- Industrial designer
- Designer

INDUSTRY

- AEC
- MFG

Manage point clouds in ReCap and Autodesk Construction Cloud

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn best practices for organizing, publishing, and sharing point cloud data efficiently using ReCap and Autodesk Construction Cloud for streamlined collaboration and project accuracy.

Topics covered:

- Dependencies
- Publish flow
- Share benefits
- Definitions

CAPABILITIES

- Existing Conditions Modeling
- Reality Capture

OUTCOMES

- Reduce Overall Design Time
- Optimize Asset Life Expectancy and Resiliency
- Increase Recognition as Industry Leaders
- Expand and Diversify Services
- Provide Healthy Environments

RELATED PRODUCTS

- ReCap

ROLE

- Field/ site personnel
- Estimator/ quantity surveyor
- Construction Manager
- Industrial designer
- Designer

INDUSTRY

- AEC
- MFG

How to set up Revit for AEC projects

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn about project templates, coordinate systems, model strategy, model maintenance, working with links, and performance best practices in Autodesk Revit.

CAPABILITIES

- Architectural Modeling
- Structural Modeling
- Site Model Authoring
- Civil Structure Modeling

OUTCOMES

- Improve Data Exchange
- Improve Win Rate
- Expand and Diversify Services
- Exceed Performance Requirements
- Increase Workload Capacity

RELATED PRODUCTS

- Revit

ROLE

- Project manager
- BIM manager

INDUSTRY

- AEC

Best practices for Revit MEP

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn best practices for setting up and managing MEP projects in Revit.

CAPABILITIES

- BIM Standards Management

OUTCOMES

- Improve Data Exchange
- Improve Collaboration
- Meet or Exceed Design Requirements
- Increase Recognition as Industry Leaders
- Expand and Diversify Services

RELATED PRODUCTS

- Revit

ROLE

- Mechanical engineer
- Mechanical detailer
- Mechanical estimator

INDUSTRY

- AEC

Optimizing Revit models for use in the field

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Optimize Revit models for field use and publish them using Cloud WorkSharing.

CAPABILITIES

- Design Visualization

OUTCOMES

- Expand and Diversify Services
- Reduce Environmental Impact
- Improve Design Quality
- Increase Recognition as Industry Leaders
- Reduce Safety Incidents

RELATED PRODUCTS

- Docs

ROLE

- Subcontractor
- BIM manager

INDUSTRY

- AEC

How to manage Revit families

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn to create Revit families, use advanced loading techniques, and manage families effectively within a project.

CAPABILITIES

- Structural Modeling
- Civil Structure Modeling

OUTCOMES

- Improve Data Exchange
- Improve Win Rate
- Expand and Diversify Services
- Exceed Performance Requirements
- Increase Workload Capacity

RELATED PRODUCTS

- Revit

ROLE

- BIM manager
- Structural technician/designer
- Structural engineer

INDUSTRY

- AEC

Best practices while using Revit in ACC

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to enable your organization to efficiently use Revit as an authoring tool in ACC.

CAPABILITIES

- Design Collaboration
- Information Management

OUTCOMES

- Accelerate Project Deployment
- Improve Collaboration
- Improve Design Quality

RELATED PRODUCTS

- Revit

ROLE

- BIM manager
- CAD manager
- Document controller
- Project manager
- BIM Coordinator
- 3D modeler

INDUSTRY

- AEC

Intro to Model Checker & Autodesk Validation Tool

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to use Model Checker and the Autodesk Validation Tool to automate QA/QC processes for Revit models.

Topics covered:

- Check and validate Revit models
- Understand Model Checker and Validation Tool functionality
- Identify when to use each tool with real-world examples
- Create checksets and extract data
- Visualize results and review customer outcomes

CAPABILITIES

- Architectural Analysis
- Quality Control
- BIM Standards Management

OUTCOMES

- Increase User Productivity
- Improve Design Quality

RELATED PRODUCTS

- Revit

ROLE

- BIM manager
- Project manager
- BIM Modeller
- Building architect

INDUSTRY

- AEC

Introduction to COBie extension in Revit

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn about COBie and the data can be generated from a Revit model.

CAPABILITIES

- Information Management
- BIM Standards Management
- Data Management

OUTCOMES

- Exceed Performance Requirements
- Improve Data Driven Decision Making
- Improve Design Quality
- Improve Schedule Control

RELATED PRODUCTS

- Revit

ROLE

- BIM manager
- BIM Coordinator
- BIM Modeller

INDUSTRY

- AEC

Clarifying Revit phases

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get an overview of Revit phases and how they impact project workflows.

CAPABILITIES

- BIM Standards Management
- Design Communication

OUTCOMES

- Improve Customer Experience
- Improve Design Quality
- Improve Quality and Reliability
- Improve Handover Experience
- Unlock Design Creativity

RELATED PRODUCTS

- Revit

ROLE

- 3D modeler
- Architectural detailer
- Building architect
- CAD manager
- Engineer

INDUSTRY

- AEC

Revit shared coordinates

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Understand the Revit shared coordinate system.

CAPABILITIES

- Design Collaboration
- Design Management
- Coordination

OUTCOMES

- Accelerate Project Deployment
- Exceed Performance Requirements
- Improve Collaboration
- Improve Design Quality

RELATED PRODUCTS

- Revit

ROLE

- Building architect
- Landscape architect
- Structural engineer
- BIM manager
- BIM Coordinator
- BIM Modeller

INDUSTRY

- AEC

Revit template standardization best practices

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn template creation using the standardization workflow.

CAPABILITIES

- Template Standardization
- Data Management
- Design Management

OUTCOMES

- Improve Collaboration
- Improve Quality and Reliability
- Improve Future Demand Planning
- Improve Design Quality
- Improve User Uptime

RELATED PRODUCTS

- Revit

ROLE

- BIM Coordinator
- BIM manager
- Chief information officer
- Manager

INDUSTRY

- AEC

Revit to Twinmotion: Efficient export and sync

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn the importance of integrating Autodesk Revit with Twinmotion, focusing on efficient exporting and synchronization. Discover methods to seamlessly transfer architectural models from Revit to Twinmotion, ensuring real-time visualizations reflect design changes accurately. Understand how to maintain data fidelity and optimize workflows to improve collaboration between design and visualization teams.

CAPABILITIES

- Architectural Visualization
- Realtime visualization

OUTCOMES

- Visualization
- efficiency in creating real-time visualizations from Revit models
- Improved accuracy in reflecting design changes within visualization environments

RELATED PRODUCTS

- Revit

ROLE

- Real-time Visualization Specialists
- 3D visualization artist

INDUSTRY

- AEC

Introduction to Revit schedules

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn to create schedules in Revit efficiently.

CAPABILITIES

- Bill of Materials Management
- Change Management
- Construction Master Scheduling and Simulation

OUTCOMES

- Accelerate Project Deployment
- Exceed Performance Requirements
- Expand and Diversify Services
- Improve Cost Control
- Improve Cost Forecasting
- Improve Forecast Accuracy
- Improve Schedule Control

RELATED PRODUCTS

- Revit

ROLE

- Building architect
- BIM Coordinator
- BIM Modeller
- BIM manager

INDUSTRY

- AEC

Understanding MEP systems in Revit

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn the fundamentals and workflow of Revit MEP systems.

CAPABILITIES

- Electrical Design
- Mechanical Design

OUTCOMES

- Improve Design Quality
- Improve Quality and Reliability
- Increase Digital Maturity

RELATED PRODUCTS

- Revit

ROLE

- Electrical engineer
- Mechanical detailer
- Engineer

INDUSTRY

- AEC

What's new sessions

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Onboard customer with the latest updates and product versions.

CAPABILITIES

- What's new in Product

OUTCOMES

- Ensure Business Continuity
- Expand Product Offerings
- Improve Customer Experience

RELATED PRODUCTS

- Revit

ROLE

- Architectural detailer
- BIM manager
- Building architect
- Civil engineer
- Construction Manager
- Simulation Engineer
- BIM Modeller
- BIM Coordinator

INDUSTRY

- MFG
- AEC
- M&E

Desktop Connector deployment best practices

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Explore the best practices for IT admins to effectively deploy Autodesk Desktop Connector to their environment.

CAPABILITIES

- Infrastructure and Platform Management
- Information Security Management
- Deployment Management

OUTCOMES

- Ensure Business Continuity
- Improve User Uptime
- Improve Security
- Accelerate Project Deployment

RELATED PRODUCTS

- Desktop Connector

ROLE

- Administrative professional
- IT/software manager

INDUSTRY

- AEC
- MFG
- M&E

Integrate mergers and acquisitions systems

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Admins can better manage transitions by offering best practices for deployment, Single Sign-On (SSO), Active Directory (AD) synchronization, License and Domain transitions, and team and Hub restructuring. Our approach emphasizes thorough planning, testing, and implementation to ensure a smooth process with minimal disruption.

CAPABILITIES

- Infrastructure and Platform Management
- Information Security Management

OUTCOMES

- Ensure Business Continuity
- Improve User Uptime
- Improve Security
- Accelerate Project Deployment

RELATED PRODUCTS

- No Related Products

ROLE

- Administrative professional
- IT/software manager

INDUSTRY

- AEC
- MFG
- M&E

Advanced support for Autodesk Directory Sync

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Enhance your Directory Sync skills with best practices for synchronizing users and groups through the Autodesk User Management Portal.

CAPABILITIES

- Information Security Management
- Infrastructure and Platform Management

OUTCOMES

- Improve Product Performance
- Improve Data and System Security
- Improve Security
- Accelerate Project Deployment
- Ensure Business Continuity

RELATED PRODUCTS

- Directory Sync
- SSO
- All Products

ROLE

- Administrative professional
- IT/software manager

INDUSTRY

- AEC
- MFG
- M&E

Advanced support for Autodesk Single Sign-on (SSO)

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to integrate Single Sign-on (SSO) with Autodesk applications.

Topics covered:

- Introduction to SSO
- Implementing SSO
- Testing and enabling SSO

RELATED PRODUCTS

- All Products
- SSO
- Directory Sync

ROLE

- IT/comms engineer/technician
- IT/software manager
- IT/software administrator

CAPABILITIES

- Information Security Management
- Infrastructure and Platform Management

OUTCOMES

- Meet Regulatory Requirement
- Optimize Asset Life Expectancy and Resiliency
- Improve Security
- Improve Forecast Accuracy
- Reduce Defects at Handover

INDUSTRY

- AEC
- MFG
- M&E

Deployment Assistance

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Empower administrators with tailored recommendations, training, and resources that help them optimize the deployment process to ensure a seamless end user experience.

Topics include:

- Expert assistance and personalized support
- Improved user onboarding experience through the correct setup of system, network, and security configurations
- Performance optimization for faster data uploads and downloads
- Improved security for onsite and remote users

CAPABILITIES

- Deployment Management
- Availability Management

OUTCOMES

- Improve Pipeline Performance
- Ensure Business Continuity
- Reduce Pipeline Complexity and Costs
- Improve Pipeline Flexibility and Scalability
- Improve Pipeline Stability

RELATED PRODUCTS

- All Products

ROLE

- IT/comms engineer/technician
- IT/software manager
- IT/software administrator

INDUSTRY

- AEC
- MFG
- M&E

Fusion Deployment best practices

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Empower administrators with tailored recommendations, training, and resources that help optimize the deployment process for Fusion to ensure a seamless end user experience.

Topics include:

- Expert assistance and personalized support
- Onboarding setup of system, network, and security configurations

CAPABILITIES

- Infrastructure and Platform Management
- Information Security Management

OUTCOMES

- Accelerate Project Deployment
- Improve User Uptime

RELATED PRODUCTS

- Fusion

ROLE

- Administrative professional
- IT/software manager

INDUSTRY

- MFG

IT infrastructure readiness for Autodesk Construction Cloud

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Guide admins to understand ACC infrastructure, optimize performance, and enhance security. Key focus areas include performance optimization, enhanced security for onsite and remote users, and efficient onboarding.

CAPABILITIES

- Information Security Management
- Infrastructure and Platform Management

OUTCOMES

- Meet Regulatory Requirement
- Optimize Asset Life Expectancy and Resiliency
- Improve Security
- Improve Forecast Accuracy
- Reduce Defects at Handover

RELATED PRODUCTS

- Civil 3D
- AutoCAD Plant 3D
- BIM Collaborate Pro
- Docs

ROLE

- IT/software manager
- IT/software administrator
- IT/comms engineer/technician

INDUSTRY

- AEC

Automation of Business Plan Reporting APIs

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to use the Business Plan Reporting APIs in a no-code/low-code environment to automate the report generation.

Topics covered:

- Introduction to Business Plan Reporting APIs
- Implementing the APIs in a no code/low code environment
- Connecting the data in a Power BI dashboard

CAPABILITIES

- Enterprise Application Integration and Middleware
- Information Management
- Software Development

OUTCOMES

- Improve Cost Forecasting
- Improve Data Driven Decision Making

RELATED PRODUCTS

- Autodesk Platform Services

ROLE

- IT/software administrator
- IT/software manager
- Software engineer/developer

INDUSTRY

- AEC
- MFG
- M&E

Autodesk Platform Services onboarding

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get familiar with functionalities of Autodesk Platform Services, what tools are required to use it, and how to set up a team for APS application development.

Topics covered:

- What is Autodesk Platform Services (APS)?
- Build online workflows and experiences around your design data
- Industry showcase and practical APS use cases
- Set up a team and get started with the best development and support resources available
- The umbrella of APS and functionalities and pricing associated with each API

CAPABILITIES

- Enterprise Application Integration and Middleware
- Information Management
- Design Automation (AEC)
- Design Automation (PDM)
- Software Development

OUTCOMES

- Reduce Manual Data Replication
- Improve Data Exchange
- Reduce Environmental Impact
- Improve Handover Experience
- Improve Collaboration

RELATED PRODUCTS

- Autodesk Platform Services

ROLE

- Chief information officer
- Chief technical officer
- Project manager
- Systems Engineer
- Computational designer

INDUSTRY

- AEC
- MFG

Advanced support for Reporting APIs for usage insights

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to use the Business Plan Reporting APIs to automate report generation.

Topics covered:

- Introduction to Autodesk Platform Services
- Capabilities of Business Plan Reporting APIs
- Getting started with reporting APIs
- Implementation

RELATED PRODUCTS

- Autodesk Platform Services

ROLE

- IT/software administrator
- IT/software manager
- Software engineer/developer

CAPABILITIES

- Enterprise Application Integration and Middleware
- Information Management
- Software Development

OUTCOMES

- Improve Cost Forecasting
- Improve Data Driven Decision Making

INDUSTRY

- AEC
- MFG
- M&E

Get started with Vault administration

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get started with essential Vault administration skills.

Topics covered:

- Get started with Vault Administration
- Configure lifecycle, category, numbering schemes, properties, revision scheme and more
- Bulk load data into Vault

CAPABILITIES

- Data Management
- Design Collaboration

OUTCOMES

- Improve Time to Market
- Improve Collaboration
- Reduce Defects and Non-Conformities
- Improve Supply Chain Agility
- Increase Product Development Agility

RELATED PRODUCTS

- Vault Products

ROLE

- Product engineer
- CAD manager
- IT/software manager

INDUSTRY

- MFG

Share data between Vault, Autodesk Construction Cloud, & Fusion

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Share data securely between Vault, Autodesk Construction Cloud (ACC), and Fusion teams

Topics:

- Deliver files to customers and suppliers using Autodesk Drive.
- Auto-exchange select data with external collaborators using Fusion team or ACC.

RELATED PRODUCTS

- Vault Products

ROLE

- Product engineer
- CAD manager
- IT/software manager

CAPABILITIES

- Data Management

OUTCOMES

- Improve Time to Market
- Improve Collaboration
- Reduce Defects and Non-Conformities
- Improve Supply Chain Agility
- Increase Product Development Agility

INDUSTRY

- MFG

How to transition from files to items in Vault

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Create, maintain, and link items with files in Autodesk Vault Professional.

Topics:

- Understand the areas of Vault to configure for items.
- Begin the transition from file-centric to item-centric workflows.

RELATED PRODUCTS

- Vault Products

ROLE

- IT/software manager
- Project manager
- Project engineer

CAPABILITIES

- Bill of Materials Management
- Data Management

OUTCOMES

- Reduce Defects and Non-Conformities
- Improve Supply Chain Agility
- Improve Quality and Reliability
- Improve Win Rate
- Improve Collaboration

INDUSTRY

- MFG

Autodesk Factory Design utilities for administrators

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Set up your software to work with and support the Autodesk Factory Design Utilities.

Topics covered:

- Identify the installed applications that support Factory Design Utilities and the recommended order of install.
- Review the Factory Design Utilities integration in AutoCAD, Inventor, Navisworks, and Vault Professional.
- Establish the Asset Library location in Vault.

CAPABILITIES

- Mechanical Design

OUTCOMES

- Improve Vehicle Attributes
- Improve Product Desirability
- Reduce Environmental Impact
- Improve Product Performance
- Increase Product Development Agility

RELATED PRODUCTS

- Vault Products

ROLE

- Industrial designer
- Mechanical engineer

INDUSTRY

- MFG

Autodesk Vault migration planning

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Migrate your Vault. Do in-place upgrades and new server migrations, and handle both multi- and single-site environments.

Topics covered:

- Overview of install and upgrade steps
- Prepare for the process
- What you should know
- Access to additional help resources

CAPABILITIES

- Design Collaboration
- Design Automation (PDM)

OUTCOMES

- Reduce Time to Design Approval
- Improve Collaboration
- Improve Product Desirability
- Increase Product Development Agility
- Improve Product Performance

RELATED PRODUCTS

- Vault Products

ROLE

- IT/software manager
- CAD manager

INDUSTRY

- MFG

Set up for collaboration in Vault Professional

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Understand system requirements for Vault Professional, and how to create a new Vault.

Topics covered:

- Check system requirements
- Use SQL Express and learn about SQL replication
- Install ADMS and create a new vault
- Set up AVFS and install client software

CAPABILITIES

- Design Collaboration

OUTCOMES

- Improve Time to Market
- Reduce Time to Design Approval
- Improve Collaboration
- Improve Product Desirability
- Increase Product Development Agility

RELATED PRODUCTS

- Vault Products

ROLE

- Electrical engineer
- Mechanical engineer
- Product engineer
- Industrial designer
- Product designer

INDUSTRY

- MFG

Create and share files in Vault Professional

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Create new files and share them using Vault Professional. Learn how to properly check out files that require editing.

Topics covered:

- Create new files and update an existing file.
- Upload a new version and change the lifecycle state of a file.
- Share files and communicate about files have been updated.

CAPABILITIES

- Manufacturing Documentation
- Design Collaboration

OUTCOMES

- Increase Manufacturing Flexibility
- Reduce Defects and Non-Conformities
- Improve Time to Market
- Reduce Time to Design Approval
- Improve Collaboration

RELATED PRODUCTS

- Vault Products

ROLE

- Product designer
- Electrical engineer
- Product engineer
- Industrial process engineer

INDUSTRY

- MFG

Introduction to: Vault for DR/BC plan

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Determine how Autodesk Vault fits into your DR/BC plan, including disaster recovery procedures, the impact of infrastructure loss, roles and responsibilities, and more.

Topics covered:

- Understand the Disaster Recovery procedures specific to Autodesk Vault.
- Ensure that the importance of the Vault infrastructure is properly positioned in the Disaster Recovery plan and reflects its business criticality.
- Know the in-house and external positions in charge of business recovery.
- Know where to find internal and external sources and guidelines.

CAPABILITIES

- Data Management

OUTCOMES

- Improve Time to Market
- Improve Collaboration
- Reduce Defects and Non-Conformities
- Improve Supply Chain Agility
- Increase Product Development Agility

RELATED PRODUCTS

- Vault Products

ROLE

- Product engineer
- CAD manager
- IT/software manager

INDUSTRY

- MFG

Explore Autodesk Vault copy design

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Leverage existing content to speed up your design process using Vault copy design.

Topics covered:

- Understand and customize the user interface Number schemes and actions.
- Copy, replace, reuse, and exclude.
- Manage and apply rule sets.
- Copy a design walkthrough.

CAPABILITIES

- Data Management

OUTCOMES

- Improve Time to Market
- Improve Collaboration
- Reduce Defects and Non-Conformities
- Improve Supply Chain Agility
- Increase Product Development Agility

RELATED PRODUCTS

- Vault Products

ROLE

- Product engineer
- CAD manager
- IT/software manager

INDUSTRY

- MFG

Publish design files for release in Vault Professional

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Print 2D drawing files for distribution from Vault Pro.

Topics covered:

- Understand how to manage PDFs and configure PDF publishing options
- How to manually create a PDF and automate PDF publishing following lifecycle changes.
- How to share released files.
- How to use Thin Client in your release process.
- How to use Batch Plotting in your release process.

CAPABILITIES

- Design Collaboration

OUTCOMES

- Improve Time to Market
- Reduce Time to Design Approval
- Improve Collaboration
- Improve Product Desirability
- Increase Product Development Agility

RELATED PRODUCTS

- Vault Products

ROLE

- Electrical engineer
- Mechanical engineer
- Product engineer
- Industrial designer
- Product designer

INDUSTRY

- MFG

Configure Vault lifecycle email notifications

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Use the lifecycle email notification feature to set up automatic email notifications so change communication is more efficient.

Topics Covered:

- Setup email notifications.
- Create custom email templates.
- Configure email notification settings.

CAPABILITIES

- Design Collaboration

OUTCOMES

- Improve Collaboration
- Reduce Time to Design Approval
- Improve Time to Market

RELATED PRODUCTS

- Vault Products

ROLE

- Product engineer
- CAD manager
- IT/software manager
- Product designer

INDUSTRY

- MFG

Introduction to Vault Gateway

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Discover how the Vault Gateway technology securely connects remote devices to Vault servers through a cloud service.

Topics covered:

- What is the Vault Gateway?
- Administration
- Add and remove a Vault Gateway
- Connect to Vault Gateway
- Who is this for and FAQ

CAPABILITIES

- Data Management

OUTCOMES

- Improve Collaboration
- Reduce Time to Design Approval
- Improve Time to Market
- Improve Supply Chain Agility

RELATED PRODUCTS

- Vault Products

ROLE

- CAD manager
- IT/software administrator
- Administrative professional

INDUSTRY

- MFG

Vault server administration (Administrator)

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn the skills required for advanced administration of your Vault environment, both on the server side and the operational/client side.

- Introduction to Vault Administration
- Vault Client Administration Tasks
- Vault Server Administration Tasks

CAPABILITIES

- Data Management

OUTCOMES

- Reduce Time to Design Approval
- Improve Collaboration
- Improve Time to Market
- Increase Product Development Agility

RELATED PRODUCTS

- Vault Products

ROLE

- CAD manager
- IT/software administrator
- Administrative professional

INDUSTRY

- MFG

How to setup Vault replication (Administrator)

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Configure and manage the replication of data across multiple Vault servers.

Topics covered:

- Introduction to Vault replication
- Server configuration
- Replication strategies
- Manage and troubleshooting replication issues.

CAPABILITIES

- Design Collaboration
- Data Management

OUTCOMES

- Improve Collaboration
- Improve Quality and Reliability
- Increase Manufacturing Flexibility
- Increase Product Development Agility
- Reduce Time to Design Approval

RELATED PRODUCTS

- Vault Products

ROLE

- IT/software administrator
- IT/software manager
- Administrative professional
- CAD manager

INDUSTRY

- MFG

Introduction to Vault Thin Client

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Get an overview of how the Vault Thin Client provides web-based access to Autodesk Vault, allowing users to view, search, and download files without needing the full Vault client.

Topics Covered:

- Accessing Vault through Thin Client
- File Management
- Vault thin client administration

CAPABILITIES

- Data Management
- Design Collaboration

OUTCOMES

- Improve Collaboration
- Increase Manufacturing Throughput
- Reduce Defects and Non-Conformities
- Reduce Time to Design Approval
- Improve Data Exchange

RELATED PRODUCTS

- Vault Products

ROLE

- Manufacturing engineer
- Sales Engineer
- Supplier
- CAD manager
- IT/software manager

INDUSTRY

- MFG

Manage process engineering change orders in Vault

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to create, manage, and process engineering change orders in Vault Professional.

Topics Covered:

- What is a change order?
- How does a change order Work?
- Change order routing List
- Configuring ECOs
- Creating a change order
- Processing a change order

CAPABILITIES

- Data Management
- Design Collaboration

OUTCOMES

- Improve Collaboration
- Improve Quality and Reliability
- Improve Supply Chain Agility
- Reduce Defects and Non-Conformities
- Reduce Time to Design Approval

RELATED PRODUCTS

- Vault Products

ROLE

- Administrative professional
- Product engineer
- IT/software administrator
- Product manager
- Product designer

INDUSTRY

- MFG

Set up and use Vault peer review

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Discover how to configure a peer review check to be met before a state change can occur. Facilitate delegation of authority and increase transparency.

Topics Covered:

- Define multiple transition criteria determining when a state transition can occur.
- Configure peer review control
- Add and remove rules for peer review

CAPABILITIES

- Data Management
- Design Collaboration

OUTCOMES

- Improve Quality and Reliability
- Reduce Defects and Non-Conformities
- Improve Collaboration
- Increase Transparency

RELATED PRODUCTS

- Vault Products

ROLE

- CAD manager
- Administrative professional
- IT/software administrator
- Product engineer
- Product manager

INDUSTRY

- MFG

How to backup and restore Vault (Administrator)

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Prepare your Vault environment for business continuity by taking regular backups that can be used to recover from unexpected disruptions.

Topics Covered:

- How to backup Vault data.
- Understand full and incremental backups.
- Full restore vs incremental restore.
- How to use existing file store while restoring a backup.

CAPABILITIES

- Data Management

OUTCOMES

- Improve Quality and Reliability
- Ensure Business Continuity
- Quick Disaster Recovery
- Improve Data and System Security

RELATED PRODUCTS

- Vault Products

ROLE

- IT/software administrator
- IT/software manager
- Database Administrators
- CAD manager

INDUSTRY

- MFG

Introduction to Autodesk Vault File Server (Systems)

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Speed up file access , scale effortlessly, and ensure quick access for remote teams.

Topics Covered:

- Introduction to AVFS
- How to setup and configure AVFS
- File Server Administration

CAPABILITIES

- Data Management
- Design Collaboration

OUTCOMES

- Improve Collaboration
- Improve Quality and Reliability
- Improve Supply Chain Agility
- Increase Product Development Agility
- Reduce Time to Design Approval

RELATED PRODUCTS

- Vault Products

ROLE

- Administrative professional
- IT/software administrator
- IT/software manager
- Product engineer
- CAD manager

INDUSTRY

- MFG

How to set up Vault backups (Administrator)

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to ensure your data is protected, support business continuity, maintain compliance, and enhance efficiency through automation.

Topics Covered:

- Schedule full backups
- Schedule Incremental backups
- Manage and monitor backups
- Best practices for scheduled backups

CAPABILITIES

- Data Management
- Design Collaboration

OUTCOMES

- Improve Quality and Reliability
- Improve Data and System Security
- Ensure Business Continuity
- Quick Disaster Recovery
- Reduce Time to Design Approval
- Improve Data Driven Decision Making

RELATED PRODUCTS

- Vault Products

ROLE

- IT/software administrator
- IT/software manager
- CAD manager

INDUSTRY

- MFG

Vault Server Installation (Systems)

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to install Vault servers, ensuring robust data management, enhanced collaboration, and streamlined workflows.

Topics Covered:

- Understand system requirements for Vault server and clients
- Configure installation options
- Install Vault Thin client
- Create Vaults and get started with it

CAPABILITIES

- Data Management
- Design Collaboration

OUTCOMES

- Improve Collaboration
- Improve Data and System Security
- Increase Manufacturing Flexibility
- Increase Manufacturing Throughput
- Improve Data Driven Decision Making

RELATED PRODUCTS

- Vault Products

ROLE

- IT/software administrator
- IT/software manager
- Administrative professional
- Database Administrators

INDUSTRY

- MFG

Pre-install SQL server for Vault server (Systems)

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Learn how to select the right SQL Server version, configure settings, and seamlessly integrate SQL Server into your Vault setup.

Topics Covered:

- System requirements for Vault SQL instance.
- Steps to install the SQL Autodesk Vault instance.
- How to connect the pre-installed instance to the Vault server.

CAPABILITIES

- Data Management
- Design Collaboration

OUTCOMES

- Improve Collaboration
- Improve Data and System Security
- Improve Quality and Reliability
- Reduce Defects and Non-Conformities
- Improve Data Driven Decision Making

RELATED PRODUCTS

- Vault Products

ROLE

- IT/software manager
- IT/software administrator
- Database Administrators
- CAD manager

INDUSTRY

- MFG

How to prepare and execute vault upgrade (Systems)

Use the [hyperlinks](#) in the slide to navigate the catalog

OVERVIEW

Prepare and execute an Autodesk Vault upgrade. Learn how to plan, back up your data, verify system requirements, and execute step-by-step.

Topics Covered:

- Understand system requirements, client and server compatibility.
- Prepare the server for upgrade.
- Understand the steps to upgrade the Vault server

CAPABILITIES

- Data Management
- Design Collaboration

OUTCOMES

- Improve Collaboration
- Improve Quality and Reliability
- Improve Data and System Security
- Reduce Defects and Non-Conformities
- Improve Data Driven Decision Making

RELATED PRODUCTS

- Vault Products

ROLE

- IT/software administrator
- CAD manager
- Database Administrators
- Administrative professional
- IT/software manager

INDUSTRY

- MFG



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