

INFRASTRUCTURE

Why transportation asset owners switch to Autodesk.

Four advantages of leaving legacy
infrastructure software behind.





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Introduction

Legacy software is holding transportation asset owners back

Infrastructure projects generate more data than ever, but too much of it remains fragmented, unstructured and is difficult to manage. As projects evolve and infrastructure becomes more complex, owners need software that helps them meet regulatory requirements and maintain resilient infrastructure that will stand the test of time.

It's about more than a new tool. Owners need a better way to connect teams, data and workflows, from planning all the way to long-term operations throughout the entire asset life cycle.

That's why they're switching to Autodesk.



“One of our moonshots is that we want to build eco-positive. That means constantly challenging how we design and build infrastructure.”

YANISSA DE JONGHE

Head of Technology and Digital Innovation,
Pennsylvania Department of Transportation

01

Achieve better coordination across every project

Owners often struggle with fragmented data, disconnected workflows and limited visibility across the project life cycle, creating risk, inefficiency and barriers to collaboration.

Autodesk delivers a secure, interoperable common data environment (CDE) that fosters collaboration and provides greater visibility. By connecting owners, designers, contractors and stakeholders in a single digital project delivery environment, Autodesk enables easier collaboration, greater visibility and optimised performance at every stage.

78%

of transportation leaders say collaboration improves outcomes

61%

report time savings from better collaboration

59%

report improved project quality





Key benefits:

- ✓ Gain key insights earlier
- ✓ Identify risks sooner
- ✓ Make better informed decisions across the asset life cycle

“Everybody should be looking at the same data. People can work in different tools, as long as the information itself is consistent and trustworthy.”

AMANDA COLEMAN

Engineering Innovation & Digital Center Manager,
Port of Portland

02

Reduce time spent managing and validating data

Time spent searching for the latest data has knock-on impacts on infrastructure project efficiencies. Yet information is often trapped in disconnected applications and incompatible formats, especially with legacy solutions.

Autodesk's open, interoperable platform allows data to flow seamlessly across planning, design, construction and operations. Instead of struggling with incomplete and fragmented data, owners can have greater visibility across the life cycle people, data and workflows connected in their common data environment (CDE), creating a single source of truth for all stakeholders.

84%

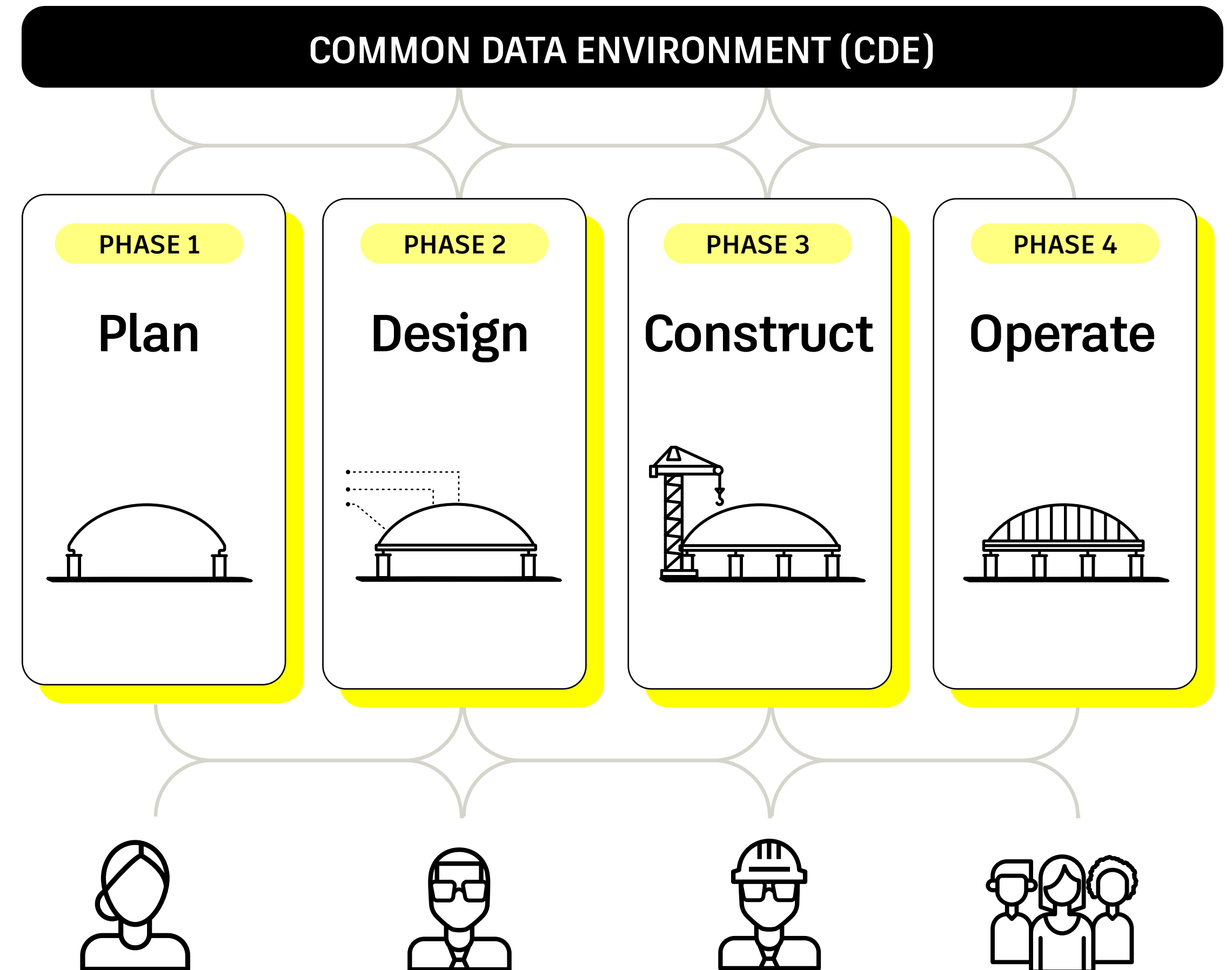
say poor data impacts project delivery

40%

still struggle with siloed data

83%

say interoperability improves collaboration





Key benefits:

- ✓ Centralise information and data in a single source of truth
- ✓ Enhance quality by reducing the need for manual data entry
- ✓ Streamline coordination and communication

“We are stewards of data...
Our role is to understand what data
is important... and make it available
to the rest of the organisation.”

AMANDA COLEMAN

Engineering Innovation & Digital Center Manager,
Port of Portland

03

Deliver with greater predictability and the ability to scale

Connected information creates more predictable project outcomes and scalability. When every stakeholder works from trusted project data, owners gain better visibility and there are fewer surprises. Everyone can have greater confidence throughout the project life cycle.

Autodesk gives multiple stakeholders access to the information they need, in the form they need it. They can circulate ideas and manage information, technical updates and countless other project insights quickly and easily.

60%

of organisations have made significant progress on digital transformation

82%

say data improves infrastructure resilience

82%

say infrastructure resilience is now essential





Key benefits:

- ✓ Reduce duplication
- ✓ Improve data reliability
- ✓ Support collaboration among owners, designers, contractors and operators

“There are always varying levels of digital maturity among agencies, contractors and consultants. When those gaps exist, they often lead to fragmented workflows, data gaps and ultimately rework on projects.”

JAY MEZHER

Digital Delivery Practice Lead,
Mott MacDonald

04

Make better decisions earlier

AI-powered insights enable better decisions, before problems become costly.

Leaders in AI adoption are moving beyond isolated initiatives and building connected ways of working that span the entire project life cycle. They are seeing stronger outcomes and more positive outlooks, from digital maturity and collaboration to talent availability, sustainability and resilience.

Autodesk's cloud-first, open platform enables transportation infrastructure owners to implement AI on a strong, scalable digital foundation that's ready for what's next.

99%

say AI is necessary to stay competitive

84%

say AI gives time back for higher-value work

79%

say AI accelerates problem-solving





Key benefits:

- ✓ Streamline workflows
- ✓ Improve decision-making
- ✓ Embed resilience
- ✓ Accelerate problem-solving

“We’re using AI to automate tasks... a lot of coding that we used to do manually is now automated.”

JAY MEZHER

Vice President, Digital Delivery,
Mott MacDonald

Switch to the future of transportation infrastructure

The future of infrastructure won't be built on disconnected, legacy software.

Owners are switching to Autodesk to connect teams, unify data and deliver infrastructure that performs better, from planning and design through to operations and long-term maintenance.

Switching to Autodesk means gaining:

- Connected teams
- Connected data
- Greater predictability across the project life cycle
- Better decisions, for today and for the future

Ready to switch to Autodesk? →





Autodesk is changing how the world is designed and made. Our technology spans architecture, engineering, construction, product design, manufacturing, media and entertainment, empowering innovators everywhere to solve challenges big and small. From greener buildings to smarter products to more mesmerising blockbusters, Autodesk software helps our customers to design and make a better world for all.

For more information visit:

autodesk.com/uk/industry/transportation

