

# Deliver best-in-class rail infrastructure

Whether designing a new transit corridor or expanding an existing system, you need the right tools – from track to station.



Transportation and infrastructure are two of today's most dynamic industries, and as one of the most sustainable forms of transportation, rail improves safety, mobility, and connectivity in communities across the globe. It forms a central network for multimodal systems, expanding access to education, healthcare, and employment, and providing a lasting positive impact on society.

As demand for rail continues to accelerate the digital transformation for next-generation mobility, industry professionals share the feeling of pressure to deliver best-in-class projects on time and under budget. But not surprisingly, figuring out which tools to leverage can be challenging.



## What does best in class look like?

It starts with Building Information Modeling (BIM), the foundation of digital transformation. Adopting BIM workflows and transitioning from 2D CAD to BIM tools enable better ways of working for better outcomes for your clients and their communities.

### Better serve your customer

#### Stay on schedule

Leveraging the right technology, tools, and capabilities helps teams stay on schedule by simplifying the delivery of models, plans, calculations, and data across teams and project phases.

#### Keep to the budget

Eliminating project roadblocks and delays through better collaboration and sharing keeps costs down.

#### Optimize resources

Spending less time on handoffs frees up your team to focus on better designs and outcomes rather than project administration.

#### Build relationships

Not worrying about interoperability allows you to put together the best team based on skills, experience, and ideas.

### Transform your practice

#### Reduce errors

Automating workflows and ensuring everyone is working off the same data set prevents unforced errors and leads to greater quality of work across all your teams.

#### Eliminate rework

Collaborating and sharing data across teams from the very beginning of the project ensures that decisions are always made within the context of the entire project—eliminating the need to go back and redo work to accommodate downstream changes. This allows ESPs to do things correctly from the start of the project and maintain flexibility to pivot when needed.

#### Improve data handover

IM helps you share data and designs across teams, so everyone is working from the same page. As projects progress from site work to construction to putting on the finishing touches, the most updated plans automatically move in parallel—giving architects, engineers, and contractors fingertip access to the information they need.

#### Meet customer and design requirements

Having a better handle on your data and cross-team workflows allows ESPs to deliver better outcomes on time and under budget.

### Work efficiently across teams

#### Increase competitiveness

Improve efficiency so you can deliver projects on time and under budget.

#### Make informed decisions

Unleash the power of data in everything you do—from vendor and contractor management to project delivery.

#### Develop new services

Stand up and manage new digital delivery tools and services for clients.

#### Remake the world

Meet the challenge of designing and building resilient and sustainable connected cities.



### Set your project on the right track.

Autodesk rail solutions provide an end-to-end workflow for the entire rail infrastructure, all the way from the project kickoff to when the facility starts operations.

[Learn more](#)