



Connected workflows for rail projects with the AEC Collection

Create with ease

Create high-performing and resilient infrastructure with a set of BIM and CAD tools that support conceptual and detailed design through to construction.

Explore what's possible

Optimize infrastructure projects with integrated analysis, generative design, and visualization and simulation tools.

Build with confidence

Improve predictability in the field with tools that maximize constructibility and project coordination.

Business Benefits



Win more work

Access tools that enable you to bid for, win, and deliver more business.



Improve operational efficiency

Automate tasks to reduce design time and improve handoff with streamlined data exchange.



Deliver more sustainable projects

Deliver projects that exceed performance requirements.



Reduce risk

Increase stakeholder buy-in, while reducing errors and rework.

Capabilities

Using a connected BIM workflow, rail project designers and engineers can more seamlessly conceive, model, optimize, and coordinate their designs with AEC professionals across disciplines and throughout the lifecycle of a project.



Reality Capture



Computational and Generative Design



Conceptual Design



Virtual Reality



Visualization



Documentation



Detailed Design



Multidiscipline Coordination

What the tools in the AEC Collection can do for you



Survey

Planning & Conceptual Design

Detailed Design

Documentation



ReCap Pro

Design in-context with reality-capture and 3D scanning software and services.



3ds Max

3D modeling, animation and rendering software for design visualization and engaging virtual reality experiences.



AutoCAD

Speed documentation, share ideas, and explore 3D concepts.



Revit

Intelligent model-based tool to plan, design, construct, and manage infrastructure with support for multidiscipline collaborative design processes.



AutoCAD

Speed documentation, share ideas, and explore 3D concepts.



Vehicle Tracking

Transportation analysis and design software built for vehicle swept path analysis.



Dynamo

Automate tasks and workflows in a visual programming environment.



ReCap Pro

Design in-context with reality capture and 3D scanning software and services.



Navisworks

Integrated data from multiple sources to facilitate whole project review, coordination, and quantification.



AUTODESK® DOCS

Simplify team collaboration and data management with a cloud-based common data environment

“We were able to use the tools within the AEC Collection to help us speed the completion of repetitive design tasks...by means of our forward-thinking design approach and proactive planning, we completed the design for six tunnels and 10 bridges in just 1.5 months.”

- Hua Xie, IT Supervisor
China Railway Siuahn Survey and Design Group

“BIM is a key success factor in our projects, since we’re developing new technologies so fast now.”

- Thomas Angelteit, BIM coordinator
Norconsult

Learn about the AEC Collection at autodesk.com/aeccollection

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