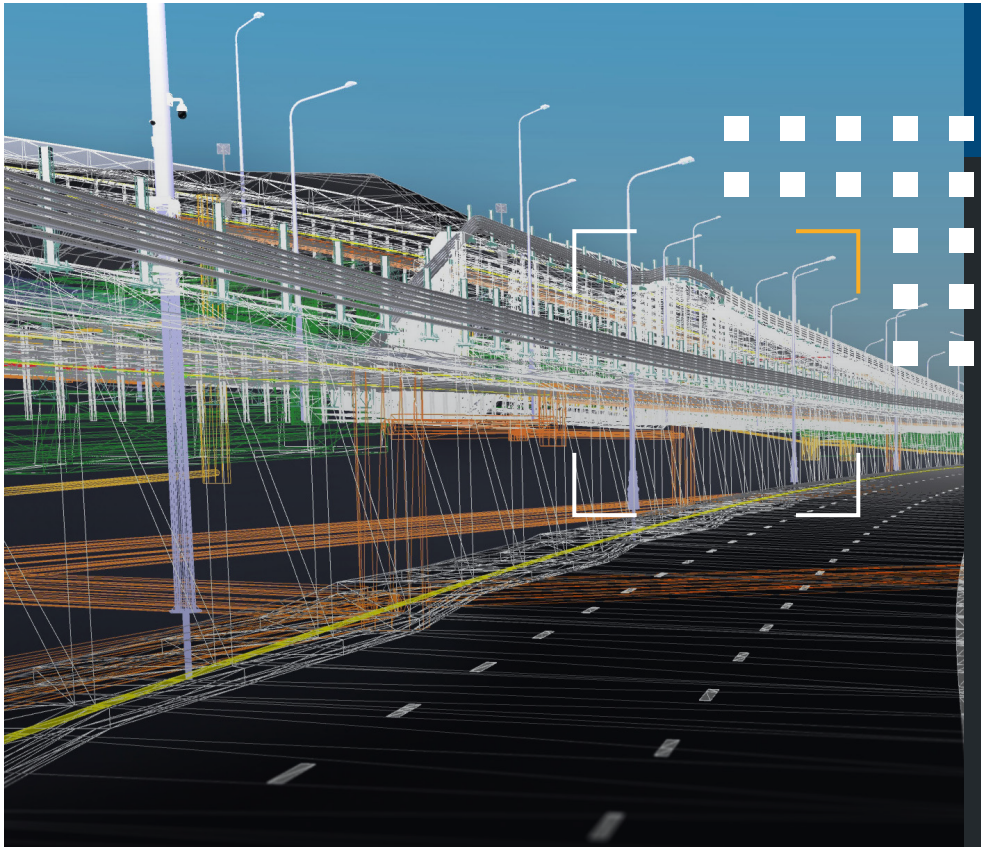


As designed. As built.

Better than expected.

Harness the power of digital construction management to improve every phase of your team's work.

Trimble

Why Digital Project Delivery?

Effective construction management requires turning vast amounts of data into action. Digital project delivery (DPD) helps you do just that. DPD is the use of digital data to plan, design, construct, inspect, and record as-built conditions during the delivery of a construction project—improving teamwork and outcomes at every stage. The resulting data helps you better manage your assets for performance and cost-effectiveness across the lifecycle.

Stay on schedule & on budget

With real-time visibility into project progress, teams can make needed adjustments to maximize productivity and efficiency, delivering your projects on time and within budget.

Improve decision-making

With data that is accessible and actionable across the project lifecycle, every stakeholder can make better-informed decisions. This leads to higher-performing assets and longer asset lifespans.

Ensure long-term success

Having a single source of up-to-date information sets up future teams for data-driven operations and maintenance—saving time and money across the asset lifecycle.

Examples of Key Technologies for Digital Project Delivery

Capital Planning & Capital Program Management

By connecting data from planning and design to procurement, construction and operations, capital program software helps you ensure the efficiency and return on investment of every project, from strategy to execution.

Connected Data Environment (CDE)

A CDE enables all project teams to access and upload relevant information from various systems and devices. This provides consistent, reliable data to all parties—which gives you real-time visibility into project costs and progress.

Reality Capture

Laser scanning and photogrammetry technology support the accurate, efficient capture of an object and/or site conditions. These technologies also support the development of 3D models that help you better plan and manage your assets.

3D+ Engineered & Constructible Models

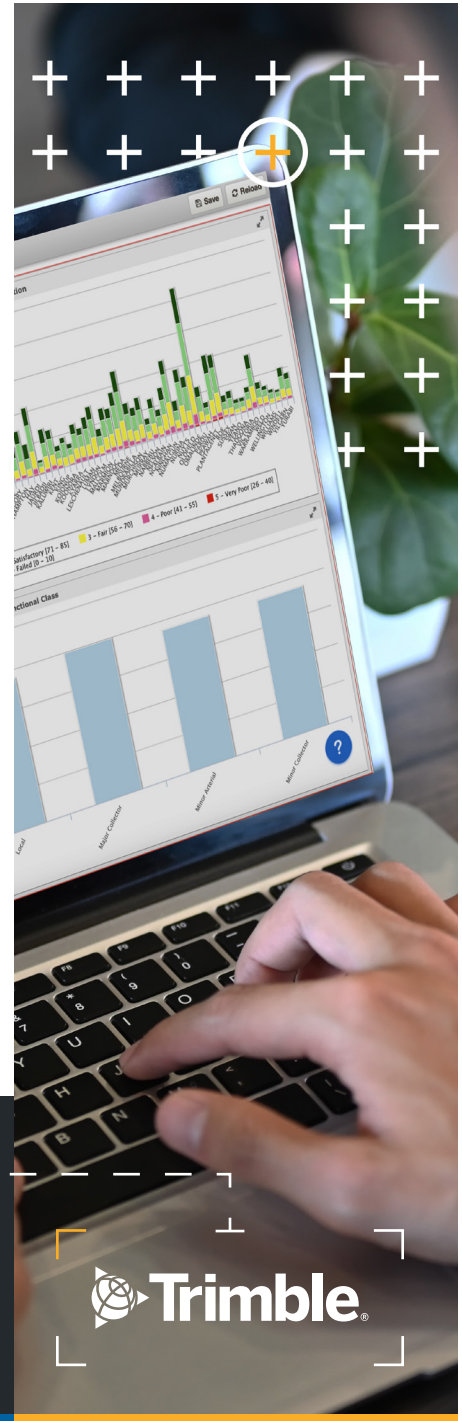
Data-rich 3D+ models that incorporate all of the detail needed to build assets improve collaboration and enable early mitigation of risks and problem resolution. As-built models also provide valuable data for future asset operations and maintenance.

Machine-Controlled Construction Equipment

Leveraging data from 3D models, machine control technology improves operator accuracy and speed while also reducing waste. Data from the machines can be fed back to the model or CDE, providing transparency that supports better decision-making by all stakeholders.

Augmented Reality (AR)/Virtual Reality (VR)/Mixed Reality (MR)

By enabling workers to visualize 3D models in the context of the physical environment, AR, VR, and MR technology improves planning, progress tracking, and on-site execution—helping to keep your project on schedule and on budget.



Start Your Journey Now

Trimble is the global leader in technologies that support digital project delivery for any asset—large or small, public or private. Learn more about how you can harness the power of digital project delivery for your organization at **assetlifecycle.trimble.com**.