



Networks project delivery solution

Streamline your water and wastewater network construction and handover

Collaborate across all project phases

Delivering water distribution and wastewater collection networks is increasingly complex due to aging infrastructure, rapid urbanization, climate resilience requirements, and stricter regulatory frameworks. Today, many projects rely on disconnected tools and manual workflows, leading to inefficiencies, data silos, and costly rework.

Bentley's Networks Project Delivery Solution empowers engineering and construction professionals to collaborate effectively across all phases of water and wastewater network delivery. The solution integrates diverse engineering, GIS, and 3D modeling platforms into a connected data environment. It enables geographically dispersed teams to manage information assets, coordinate designs, and conduct rigorous quality assurance and control (QA/QC) reviews, including clash and version comparison detection and management.

By connecting 2D, 3D, and 4D data, project stakeholders can visualize deliverables in context, improve collaboration across disciplines, and manage project information with digital handover in mind from project inception.

Construction

Advanced 4D digital rehearsals, field data management, and digital twin readiness improve constructability reviews and ensure a smooth transition from capital delivery to operations. With optimized planning and resource allocation, teams can identify and resolve bottlenecks before they affect delivery. Integrated works management processes ensure accurate as-built information and efficient, streamlined construction.

Handover

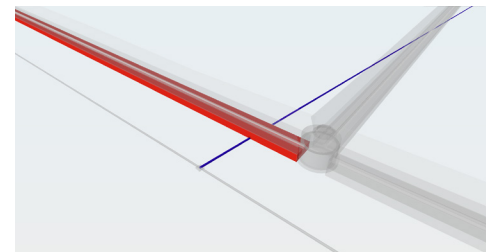
Digital handover readiness is embedded throughout the water and wastewater project lifecycle. A connected digital twin can be built from published design deliverables, ensuring seamless transition between design, construction, and operations. Owners receive reliable, accurate information to manage assets sustainably and comply with regulatory requirements.

By enabling consistent, interoperable collaboration, the Networks Project Delivery Solution helps organizations reduce project risk, minimize rework, control costs, and accelerate delivery timelines, supporting smarter and more resilient infrastructure development.

The core products in this solution are [ProjectWise®](#) and [SYNCHRO™](#).

Key benefits

- Seamless integration of geospatial, BIM-compliant 3D, and engineering data
- Interoperability across multiple design and modeling toolsets
- 4D construction planning and simulation for improved constructability
- Collaborative design review and clash detection in federated environments
- Complete project information and document control
- Digital twin creation and handover-ready delivery
- Track daily productivity and progress
- Simplify day-to-day tasks, including RFIs, inspections, and daily logs



Clash visualization and management minimize rework and control cost.



Enabling 4D digital rehearsals and real-time field data management for a coordinated sewer network construction.