Civil WorkSuite™

Nine civil engineering software essentials
in one convenient and affordable bundle

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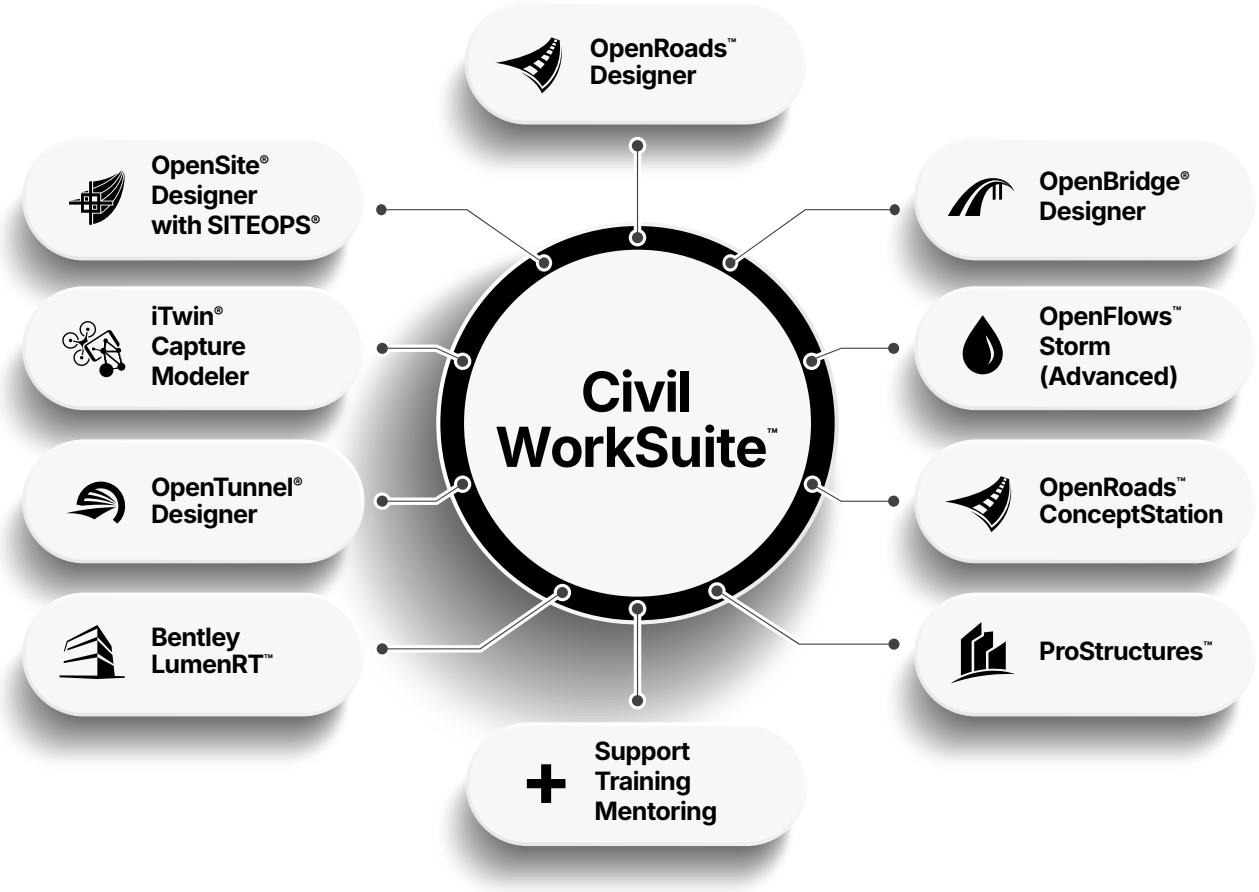
The right tools for the job, right when you need them

Access to the best civil engineering software just got easier. Introducing Bentley's Civil WorkSuite—infrastructure-specific solutions for road, bridge, site, and tunnel, bundled together to improve your workflows and your bottom line. Civil WorkSuite includes Bentley's top-selling applications for civil engineers, such as OpenRoads Designer, OpenBridge Designer, OpenSite Designer, OpenTunnel Designer, and more. Plus, we've added expert services, mentoring, and customized training to get you up and running in no time.



Connected, collaborative, interdisciplinary

Bentley's civil design and engineering solutions are model-centric, enabling project stakeholders to simultaneously work across disciplines with the confidence that data is up to date. In addition, because Bentley's solutions are scalable for large datasets, you can mitigate crashes and down time while maximizing project efficiency and accuracy. Reference bridges on roadway projects to see clashes prior to construction documentation. Design, analyze, and visualize subsurface utilities in your road, site, rail, and tunnel projects. Experience comprehensive collaboration at its best.

Reduce design time by 20% with existing staff

- Save time and money with automated infrastructure-specific modeling tools that eliminate scripting, workarounds, and specialists.
- Accelerate time from design to documentation with automated plan production.
- Reduce manual repeatable work with dynamic change management.

Share and consume large data across disciplines

- Increase productivity by seamlessly working with different disciplines at the same time.
- Mitigate errors through model-centric workflows that ensure everyone is working with up-to-date data.
- Save time and improve quality with the ability to consume, process, and analyze large data files such as lidar, point clouds, and drone imagery.

Gain a partner, not just a provider

- No more complicated purchasing processes. Easily acquire software through Bentley's e-commerce site.
- No hidden fees with one fixed package available to firms of all specialties and sizes.
- Minimize project downtime with expert services, custom training, and support included with standard purchase.

Civil WorkSuite for roads

We're taking you places

Finally, end-to-end detailed road design capabilities in one solution. Main Street or highway, you can design and engineer road projects from start to finish with Civil WorkSuite. It includes OpenRoads and everything you need for plan and construction documentation, surveying, stormwater design and analysis, visualization, geotechnical, underground utilities, and more.

Acquire

iTwin Capture Modeler

Plan

OpenRoads ConceptStation

Design

OpenRoads Designer
Bentley LumenRT

Analyze

OpenRoads Designer
OpenFlows Storm (Advanced)

Deliver

OpenRoads Designer
Bentley LumenRT

Road design from start to finish

Acquire

iTwin Capture Modeler

Collect, consume, and share field data

- Create scalable 3D meshes
- Design in a real-world context
- Increase precision and minimize survey rework

Plan

OpenRoads ConceptStation

Create multiple designs, with costs, in hours

- Incorporate contextual data
- Quickly draw roads, bridges, and tunnels with templates
- Generate quantities and cost reports
- Identify risk and create optimized alternatives
- Communicate design intent with realistic visualizations

Design

OpenRoads Designer
Bentley LumenRT

A complete road engineering solution

- Model and design corridors, intersections, drainage, utilities, land configuration, site grading, and mobility in one application
- Automated drawing of road elements and structures
- Automated sheet and label creation
- Dynamic profile and cross-sections
- Easy cross-discipline collaboration
- Accelerate stakeholder approvals with realistic visualizations

Analyze

OpenRoads Designer
OpenFlows Storm (Advanced)

Integrated utility design and analysis tools

- Perform earthwork grading analysis
- Generate design and analysis reports
- Analyze complex stormwater facilities
- Visualize designs to easily detect, prevent, and fix errors

Deliver

OpenRoads Designer
OpenFlows Storm (Advanced)

Automate a variety of deliverables

- Deliver detailed construction documents
- Generate material and quantities reports
- Ensure up-to-date data with dynamic change management
- Output files to other civil design platforms

Civil WorkSuite for bridges

Better bridges by design

Civil WorkSuite provides everything you need to streamline your bridge design workflow from data acquisition through construction documentation. At the heart of Civil WorkSuite for bridge engineers is OpenBridge Designer, the only complete bridge solution that supports level of detail (LOD) requirements for all types of bridge projects. And because no bridge works in isolation, Civil WorkSuite includes the software for the design and engineering of the roads, tunnels, structures, and all things that connect the bridge to the communities it serves.

Acquire

iTwin Capture Modeler

Plan

OpenRoads
ConceptStation

Design

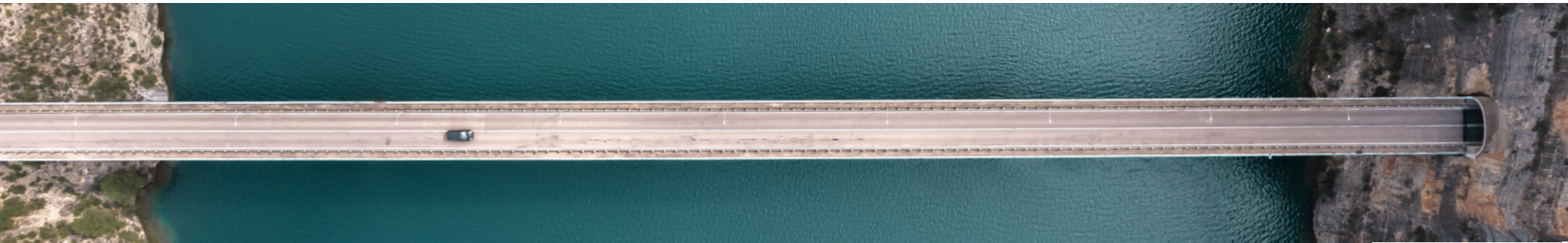
OpenBridge Designer

Analyze

OpenBridge Designer
OpenFlows Storm (Advanced)
ProStructures

Deliver

OpenBridge Designer
OpenFlows Storm (Advanced)
ProStructures



The only complete bridge design solution

Acquire

iTwin Capture Modeler

Collect, consume, and share field data

- Create scalable 3D meshes
- Design in a real-world context
- Increase precision and minimize survey rework

Plan

OpenRoads ConceptStation

Create multiple designs, with costs, in hours

- Incorporate contextual data
- Quickly draw roads, bridges, and tunnels with templates
- Generate quantities and cost reports
- Identify risk and create optimized alternatives
- Communicate design intent with realistic visualizations

Design

OpenBridge Designer

Integrated modeling, analysis, and design solution

- Automated drawing of bridge elements and structures
- Automated sheet and label creation
- Direct reference of DGN models from highway alignments, profiles, and ground information created with OpenRoads
- Includes over 20 international design codes
- Reduce design time by 20% with existing staff

Analyze

OpenBridge Designer
ProStructures
OpenFlows Storm (Advanced)

Integrated utility design and analysis tools

- Complete complex and full 4D analysis
- Analyze complex stormwater facilities
- Visualize designs to easily detect, prevent, and fix errors

Deliver

OpenBridge Designer
ProStructures
OpenFlows Storm (Advanced)

Automate a variety of deliverables

- Ensure up-to-date data with dynamic change management
- Evaluate multiple bridge alternatives, construction sequences, cost reports, and analysis and design reports
- Easy cross-discipline collaboration
- Share models with contractors to plan construction stages, project costs, and schedules

Civil WorkSuite for site and land development

A ground up solution

Site design is all about the possibilities. Trying to understand what can be created from the ground up no longer has to be done with a sketch and a spreadsheet. Civil WorkSuite provides everything you need to streamline your land development workflow from data acquisition through construction documentation. Whether you need concepts quickly, or need to take a project to plan production, OpenSite delivers at the heart of your solution. When your site project needs to go deeper, Civil WorkSuite takes you there with road, bridge, and tunnel applications that work seamlessly together.

Acquire

iTwin Capture Modeler

Plan

OpenSite SITEOPS

Design

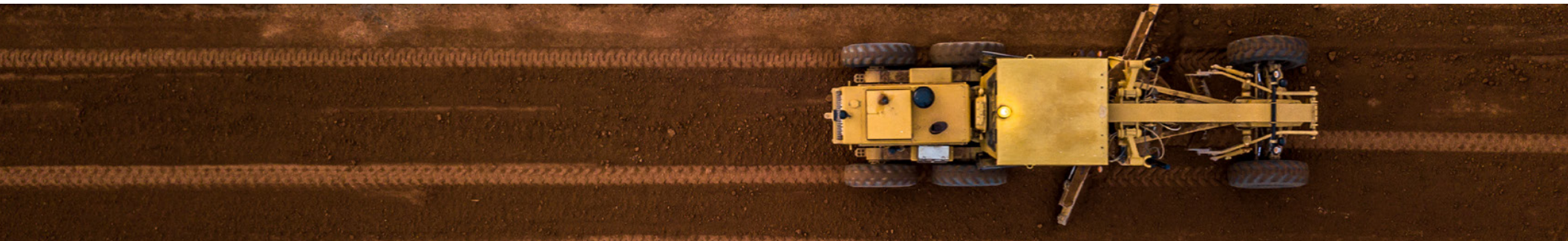
OpenSite Designer
Bentley LumenRT

Analyze

OpenSite Designer
OpenFlows Storm (Advanced)

Deliver

OpenSite Designer
OpenFlows Storm (Advanced)
Bentley LumenRT



Site design from concept to construction

Acquire

iTwin Capture Modeler

Collect, consume, and share field data

- Create scalable 3D meshes
- Design in a real-world context
- Increase precision and minimize survey rework

Plan

OpenSite SITEOPS

Determine project feasibility in hours

- Automated site layout
- One-click optimize earthwork grading
- Identify risk and create alternatives
- Eliminate guesswork with a detailed budget

Design

OpenSite Designer
Bentley LumenRT

Complete site engineering solution

- Create detailed engineering designs
- Automated sheet and label creation
- Easy cross-discipline collaboration
- Accelerate stakeholder approvals with realistic visualizations
- Reduce design time by 20% with existing staff

Analyze

OpenSite Designer
OpenFlows Storm (Advanced)

Integrated utility design and analysis tools

- Perform earthwork grading analysis
- Generate design and analysis reports
- Analyze complex stormwater facilities
- Visualize designs to easily detect, prevent, and fix errors

Deliver

OpenSite Designer
Bentley LumenRT
OpenFlows Storm (Advanced)

Automate a variety of deliverables

- Deliver detailed construction documents
- Always up-to-date data with dynamic change management
- Produce realistic visualizations to convey design intent
- Output files to other civil design platforms

Civil WorkSuite for tunnels

Light at the beginning of the tunnel

Civil WorkSuite improves your tunnel workflow with the right tools for the right job. Included is OpenTunnel Designer, the only modeling and design solution specifically for tunnels. With Civil WorkSuite, you can increase productivity, decrease design time, reduce overhead costs, prevent risk, and mitigate tedious, manual, and error-prone work.

When your tunnel starts or ends with a road or bridge, our civil solutions have you covered there too.

Acquire

iTwin Capture Modeler
OpenTunnel Designer

Plan

OpenRoads
ConceptStation

Design

OpenTunnel Designer
Bentley LumenRT

Analyze

OpenTunnel Designer
OpenFlows Storm (Advanced)
ProStructures

Deliver

OpenTunnel Designer
ProStructures
OpenBridge Designer
OpenRoads Designer

The only digital solution for tunnel projects

Acquire

iTwin Capture Modeler
OpenTunnel Designer

Collect, consume, and share field data

- Create scalable 3D meshes
- Design in a real-world context
- Increase precision and minimize survey rework
- Consume soil strata and linear infrastructure data with ease
- Quickly import soil meshes with IFC versions 4.0 and 4.3

Plan

OpenRoads ConceptStation

Create multiple designs, with costs, in hours

- Incorporate contextual data
- Quickly draw roads, bridges, and tunnels with templates
- Generate quantities and cost reports
- Identify risk and create optimized alternatives
- Communicate design intent with realistic visualizations

Design

OpenTunnel Designer
Bentley LumenRT

Complete tunnel engineering solution

- Model full excavation shape, excavation tracks, tunnel lining, reinforcement, and interior objects
- Automated creation of geotechnical models
- Reduce design time up to 50% with native modeling tools

Analyze

OpenTunnel Designer
OpenFlows Storm (Advanced)
ProStructures

Integrated utility design, rebar reinforcement, and analysis tools

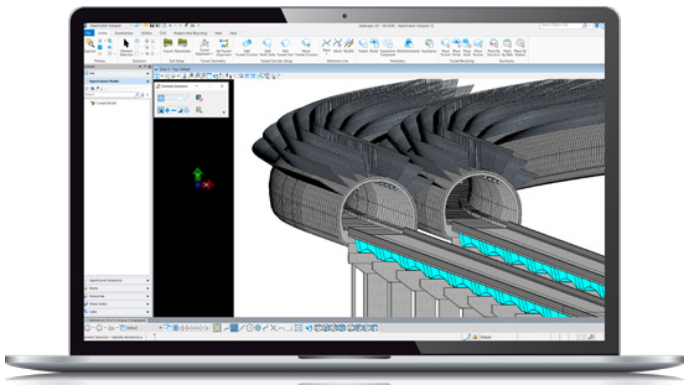
- Create multiple analytical models in minutes, not days
- Send entire tunnels from your 3D BIM model to PLAXIS® with a push of a button, no coding required
- Model and detail concrete rebar reinforcement and steel elements
- Analyze complex stormwater facilities
- Visualize designs to easily detect, prevent, and fix errors

Deliver

OpenTunnel Designer
ProStructures
OpenBridge Designer
OpenRoads Designer

Automate a variety of deliverables

- Deliver detailed construction documents
- Generate tunnel-specific reports
- Ensure up-to-date data with dynamic change management
- Easy cross-discipline collaboration
- Accelerate stakeholder approvals with realistic visualizations



Getting started

Having the right tools when you need them is essential for meeting project demands. Whether you're designing for road, site, bridge, or tunnel, Civil WorkSuite has your needs covered. The bundle includes Bentley's industry leading purpose-built transportation solutions, such as OpenRoads Designer, OpenBridge Designer, OpenSite Designer, OpenTunnel Designer, and more. Plus, the inclusion of three keys provides access to expert services, mentoring, and customized training to minimize project downtime.

Bentley makes it easy for organizations to find the product license that offers the best options, affordable prices, and the training you need to be successful through Bentley's e-store for practitioner licenses.

Experience the power of Civil WorkSuite

Shop Civil WorkSuite **Chat with an Expert**

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