

Civil WorkSuite

Nine Civil Engineering Software
Essentials in One Convenient
and Affordable Bundle

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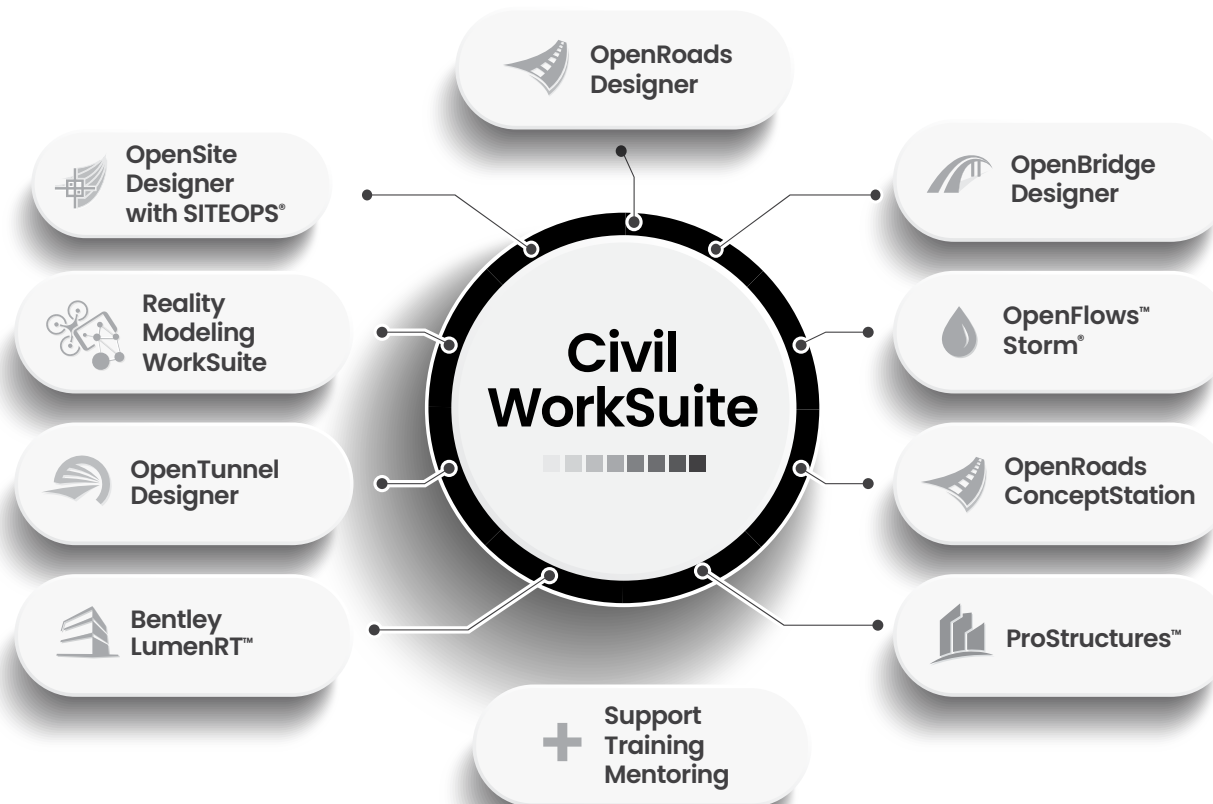
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The Right Features for the Right Job

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, always confident of up-to-date data. In addition, because Bentley's solutions are scalable for large datasets, you mitigate crashes and downtime 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%

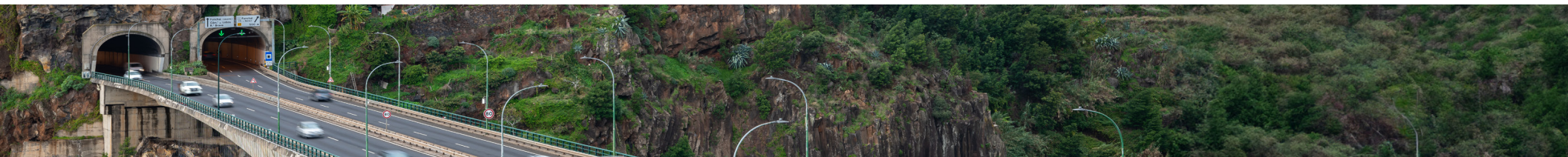
- ◆ Save time and money with automated infrastructure-specific modeling features that eliminate scripting, workarounds, and specialists.
- ◆ Accelerate time from design to documentation with automated plan production.
- ◆ Reduce manual repeatable work with dynamic change management.

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 complicated purchasing processes. Easily acquire software through Bentley's e-commerce site.
- ◆ No hidden fees! 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 Are 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 so much more.



Acquire

- Reality Modeling WorkSuite



Plan

- OpenRoads ConceptStation



Design

- OpenRoads Designer
- Bentley LumenRT



Analyze

- OpenRoads Designer
- OpenFlows Storm



Deliver

- OpenRoads Designer
- Bentley LumenRT



Road Design from Start to Finish

ACQUIRE

Reality Modeling WorkSuite

Collect, consume, and share field data

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

PLANNING

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

Complete road engineering solution

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

ANALYZE

OpenRoads Designer

OpenFlows Storm

Integrated utility design and analysis capabilities

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

DELIVER

OpenBridge Designer

ProStructures

OpenFlows Storm

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 prevent, and fix errors

Civil WorkSuite for Bridges

Build 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 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 roads, tunnels, structures, and all things that connect the bridge to the communities that it serves.



Acquire

- Reality Modeling WorkSuite



Plan

- OpenRoads ConceptStation



Design

- OpenBridge Designer



Analyze

- OpenBridge Designer
- OpenFlows Storm
- ProStructures



Deliver

- OpenBridge Designer
- ProStructures



The Only Complete Bridge Design Solution

ACQUIRE

Reality Modeling WorkSuite

Collect, consume, and share field data

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

PLANNING

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 20+ international design codes
- ♦ Reduce design time by 20% with existing staff

ANALYZE

OpenRoads Designer

ProStructures

OpenFlows Storm

Integrated utility design and analysis capabilities

- ♦ Complete complex and full 4D analysis
- ♦ Model, detail, and analyze rebar reinforcement
- ♦ Analyze complex stormwater facilities
- ♦ Visualize designs to easily detect, prevent, and fix errors

DELIVER

OpenBridge Designer

ProStructures

OpenFlows Storm

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 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

- Reality Modeling WorkSuite



Plan

- OpenSite SITEOPS



Design

- OpenSite Designer
- Bentley LumenRT



Analyze

- OpenSite Designer
- OpenFlows Storm



Deliver

- OpenSite Designer
- Bentley LumenRT



Site Design from Concept to Construction

ACQUIRE

Reality Modeling WorkSuite

Collect, consume, and share field data

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

PLANNING

OpenSite Designer with 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

Integrated utility design and analysis

- ◆ 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 OpenFlows Storm

Integrated utility design and analysis

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

Civil WorkSuite for Tunnels

Light at the Beginning of the Tunnel

Civil WorkSuite improves your tunnel workflow with the right capabilities 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. Civil WorkSuite provides solutions for the communities you design.



Acquire

- Reality Modeling WorkSuite



Plan

- OpenRoads ConceptStation



Design

- OpenTunnel Designer



Analyze

- OpenTunnel Designer
- OpenFlows Storm
- ProStructures



Deliver

- OpenTunnel Designer
- ProStructures



The Only Digital Solution for Tunnel Projects

ACQUIRE

Reality Modeling WorkSuite

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

PLANNING

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

- ◆ Model full excavation shape, excavation tracks, tunnel lining, reinforcement and interior objects
- ◆ Automate drawing based on the physical model
- ◆ Produce parametric intelligent tunnel components
- ◆ Automate creation of geotechnical models
- ◆ Reduce design time up to 50% with native modeling features

ANALYZE AND DETAIL

OpenTunnel Designer

ProStructures

OpenFlows Storm

Integrated utility design, rebar reinforcement, and analysis

- ◆ 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
- ◆ Easily practice cross-discipline collaboration
- ◆ Accelerate stakeholder approvals with realistic visualizations

Getting Started

Having the right capabilities when you need them is essential to meeting project demands. Whether you are 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 Virtuosity®, Bentley's e-store for practitioner licenses.

Experience the Power of Civil WorkSuite

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