PRODUCT DATA SHEET

Bentley
Advancing Infrastructure

CONNECT Edition

OpenPlant Support Engineering

Sustain Your Plant Equipment

OpenPlant™ Support Engineering enables EPCs and plant owner-operators to accelerate the design, modeling, and placement of supports and support assemblies, reducing overall project design time. The application increases productivity and design accuracy with an extensive collection of vendor support catalogs and automated construction deliverables.

The CONNECT Edition

The SELECT® CONNECT Edition includes SELECT CONNECT*services*, new Azure-based services that provide comprehensive ***learning, mobility,*** and ***collaboration*** benefits to every Bentley application subscriber. *Adaptive Learning Services* helps users master use of Bentley applications through CONNECT Advisor, a new in-application service that provides contextual and personalized learning. *Personal Mobility Services* provides unlimited access to Bentley apps, ensuring users have access to the right project information when and where they need it. *ProjectWise® Connection Services* allow users to securely share application and project information, to manage and resolve issues, and to create, send, and receive transmittals, submittals, and RFIs.

Fast and Accurate Model Generation

Quickly create support models for piping, HVAC, or electrical equipment using pre-defined supports, and examine multiple support options with OpenPlant Support Engineering. Save overall project time by reducing time spent on designing and modeling supports and support assemblies. Users can modify existing supports from OpenPlant Support Engineering's out-of-the-box catalog to create their own catalog of supports.

Precise Support Placement

OpenPlant Support Engineering provides users with the capabilities needed for placing supports quickly and accurately. Users can place supports using advanced placement capabilities that include rotation with yaw, pitch, and roll, or a MicroStation-based capability that provides intelligent modeling for placing supports.

Use support locators to determine where supports need to be located and later replace them with supports. Place locators automatically at fixed intervals on long pipelines or manually at specific locations. Increase project collaboration by allowing some team members to determine support locations while others determine support type.

Extensive Vendor Catalog to Save Time and Ensure Accuracy

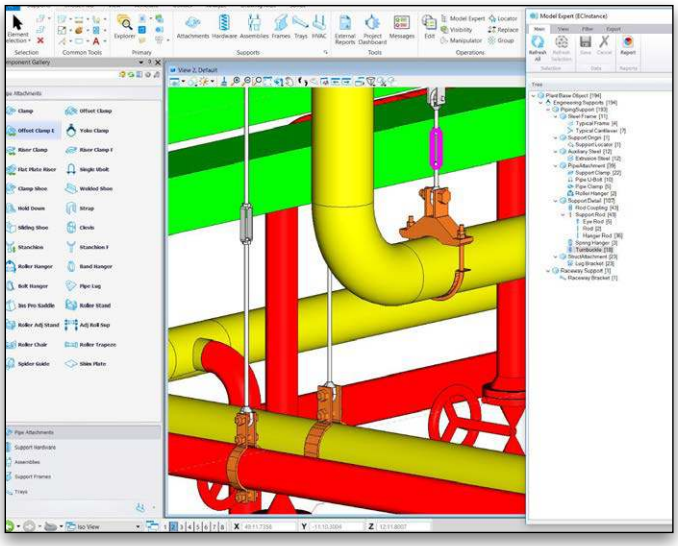
OpenPlant Support Engineering currently contains over 22,000 supports and support assemblies from a growing list of vendors. The supports and their graphical representation are accurate reflections of the vendor specifications. Import supports directly from vendor catalogs to save time and eliminate errors introduced when interpreting and modeling vendor specifications. The catalog in OpenPlant Support Engineering is kept current with vendor specifications.

Automatic Bills of Material for More Accurate Construction Deliverables

The application automatically generates detailed support drawings that include the bill of materials. Users get accurate cost estimates and save time by eliminating manual take-offs. Users also avoid construction delays by getting reliable construction deliverables.

Interoperability with Bentley Products for Effective Reuse of Design Data

OpenPlant Support Engineering is now available to be installed directly inside OpenPlant Modeler to allow users to work in same design file and modeling session to place supports along with piping and equipment. In this mode, OpenPlant Support Engineering is also integrated with PlantSight that enables OpenPlant users to deliver digital twins for all their projects. OpenPlant Modeler integrated workflows with PlantSight provide users ability to support distributed teams, utilize component-based workflows, and track and manage changes. A digital twin ensures consistent and up-to-date engineering information across the design phase with continuous handover into operations. Integration with OpenPlant Modeler allows users to leverage 3D OpenPlant models directly as the starting point for support design. Referencing OpenPlant Support Engineering data inside OpenPlant Modeler allows users to effectively run in-session isometrics to generate isometric drawings with complete information, reducing overall time to produce project deliverables.



The Model Expert provides reports on single models or on the catalog.

The application allows users to improve collaboration, productivity, and information sharing by signing in as a Connected User and associating files with Connected Projects. Connected Users can access personalized learning, communities, notifications, and project information. Connected Projects provide project-level reporting, including which Connected Users are working a project, how much time they are spending on a project, and what Bentley applications they are using.

With CONNECT*services*, learn to master your Bentley applications and get work done at any time from any place. Empower your teams to connect and collaborate.

System Requirements

Click here for the latest system requirements

Find out about Bentley at: www.bentley.com

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Outside the US +1 610-458-5000

Global Office Listings
www.bentley.com/contact

OpenPlant Support Engineering At-A-Glance

Increased Productivity

- Fast, accurate placement of supports
- Multiple vendor catalogs:
  - » Anvil International
  - » Bergen-Power
  - » Carpenter & Patterson Inc.
  - » Lisega
  - » Piping Technology and Products
  - » WookWang Industrial Co., Ltd
- Automated construction deliverables
- Integration with OpenPlant Modeler as starting point for support design

Advanced Placement Tools

- Universal Placement Dashboard with capabilities for:
  - » Location
  - » Rotation
  - » Linear transformations
  - » Alignments
- Manual and automated placement of support locators
- Direct modeling of supports using component parts
- Support category options:
  - » Pipe attachments
  - » Steel attachments
  - » Auxiliary items
  - » Supplemental steel

Support Drawing Generation

- Customizable drawing:
  - » Multiple views
  - » Automated bill of materials section
  - » Notes section
- Parts callout in bill of materials section with all support parts in the chosen support assembly

Multiple Project Configurations

- Works with different project units, such as imperial, metric, and mixed metric
- Configuration through the application for basic software needs and through OpenPlant Project Administrator for configuration of a ProjectWise Managed Workspace

Built-in Reports

- Report on single models and catalogs using the Model Expert
- Customize reports using OpenPlant Project Administrator

Multiple Modes of Operation

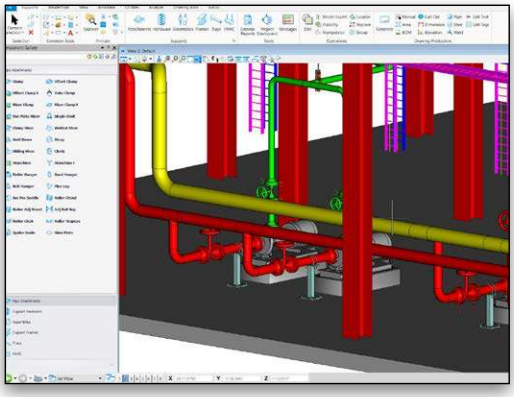
- Reference design files or iModels from:
  - » AutoPLANT®
  - » Integrated inside OpenPlant Modeler for common modeling design experience
  - » OpenPlant Modeler
  - » ProStructures
  - » Other applications
- Create iModels for use in Navigator for design review and clash detection
- Integrated inside OpenPlant Modeler for common modeling design experience

Integration with Other Bentley Products

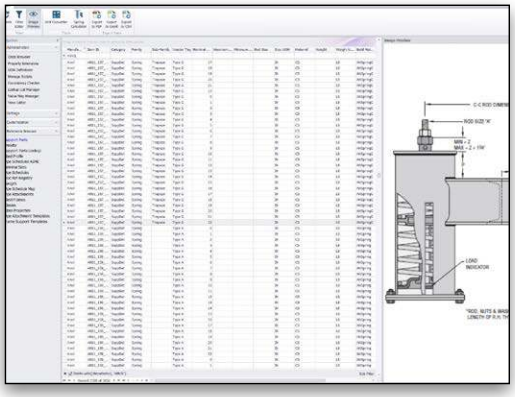
- OpenPlant Modeler for piping and equipment
- OpenPlant Isometrics Manager for isometric output with integrated supports
- Bentley Raceway and Cable Management for conduits and cable trays

Publish Deliverables to ProjectWise Share

- Bentley Raceway and Cable Management for conduits and cable trays
- Exchange files of any size quickly through a centralized, easy-to-use platform
- Allow designated project participants to easily access project deliverables without opening your firewall
- Discover up-to-date files readily by organizing them in an intuitive, project-based context
- Reduce disruptions to your workflows via integration with other select Bentley design applications



The Tool Cabinet gives users quick access to different pre-built support options.



The supports and their graphical representation are accurate reflections of the vendor specifications.

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