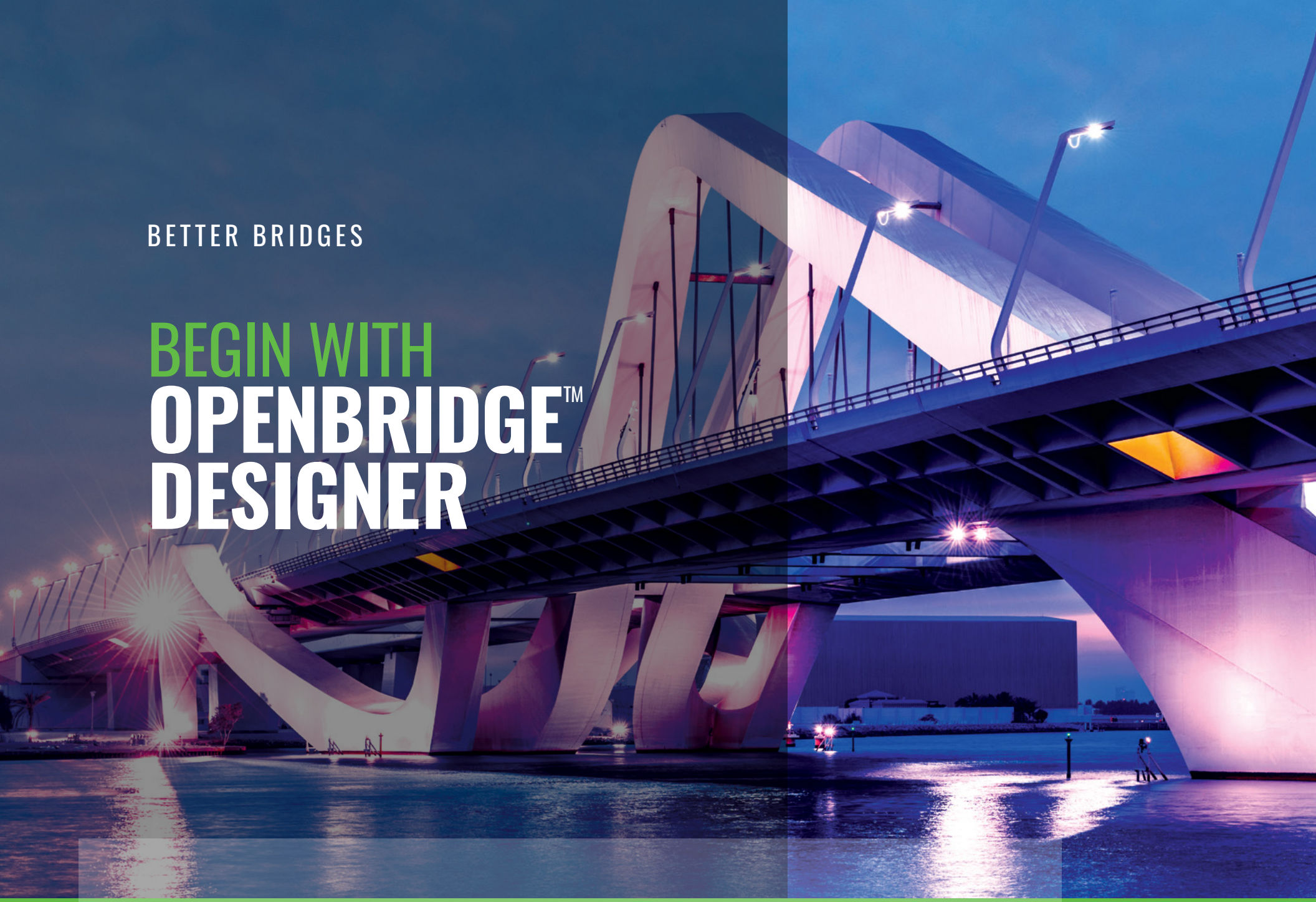


BETTER BRIDGES

BEGIN WITH OPENBRIDGE™ DESIGNER

Bentley®

WELCOME TO THE **OPENBRIDGE™ DESIGNER**
PRODUCT TOUR GUIDE.

This e-book provides a look at how OpenBridge™ Designer software supports the evolving BIM requirements that help you connect the **data, people, workflows, and ideas** necessary to support today's infrastructure projects.

This e-book includes links to more than **15 VIDEOS** that illustrate how the software addresses your critical business issues, such as collaborating across disciplines, ensuring engineered design intent, and improving the deliverables required for each project.

If you have questions, or need more information, please visit **www.bentley.com/OpenBridgeDesigner** or call **1 800 236 8539.**

SOLVE YOUR **CRITICAL BUSINESS ISSUES**

OpenBridge Designer CONNECT Edition is a unique application that combines modeling, analysis, and design into one comprehensive bridge product, as it creates a true BIM model of your bridge from the beginning of your project. The application utilizes the modeling capabilities of OpenBridge™ Modeler and the analysis and design features of LEAP® Bridge Concrete, LEAP Bridge Steel, and RM Bridge to meet the design and construction needs of both concrete and steel bridges. With this application, you have the advantage of using a single comprehensive package from beginning to end of any bridge design project. You can use one product to create an interoperable physical and analytical model for steel and concrete bridges, which can be utilized throughout the bridge's lifecycle.

OpenBridge Designer provides the workflows, toolsets, and flexibility necessary to deal with real-life design scenarios on global bridge infrastructure projects. The application adapts to virtually any bridge design and maintenance workflow and is suitable for any concrete strength, volume, weight, structural steel grade, and beam type. When combined with other Bentley software for user collaboration and project data management, OpenBridge Designer is the ideal solution for professional bridge organizations, construction teams, maintenance and inspection crews, and bridge owner-operators.

Are you ready to rapidly model design intent, edit dynamically, ensure international standards, work in all disciplines, and continuously model as you design your project in one application? Then you're ready for OpenBridge Designer. Learn how you can work in one composite model to provide a wide range of project deliverables.

EXPLORE MORE ›

REALITY CONTEXT

DESIGN INTENT

MULTIPLE DISCIPLINES

ADAPT TO CHANGE

DELIVERABLES

WITH **OPENBRIDGE DESIGNER** CONNECT EDITION, YOU CAN:

Incorporate real-world conditions into your virtual design environment for better decision making.

React to real-world conditions, design standards, and project changes using the intelligent and parametric design environment for improved productivity and quality.

Use a connected data environment to integrate design data from multiple disciplines to improve collaboration,accuracy, and efficiency.

Utilize the federated model to dynamically update design data throughout the project workflow to easily resolve design and construction challenges, and downstream for operations and maintenance.

Produce project deliverables, such as geometry reports, 3D models, annotated 2D drawings, analysis and design reports, and iModels for BIM workflows.

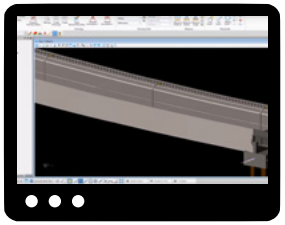
DESIGN IN **REALITY CONTEXT**

HEAR MORE

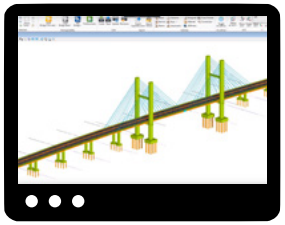
OpenBridge Designer helps you effectively understand existing conditions. You can incorporate, analyze, and manipulate a wide range of data, such as **point clouds, reality meshes, digital construction, clash detection information, and terrain**. Modeling in a 3D environment allows you to rapidly verify the bridge geometry, enhancing and improving engineering design decisions.

Utilizing a model that has captured real-world conditions will help you understand the site throughout the planning, design, construction, and operation of your infrastructure asset.

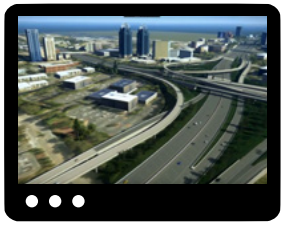
LEARN MORE BY WATCHING THE VIDEOS BELOW >



DIGITAL CONSTRUCTION



MODELING AND ANALYSIS



REALITY MODELING

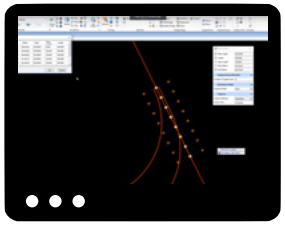
MODEL YOUR **DESIGN INTENT**

HEAR MORE

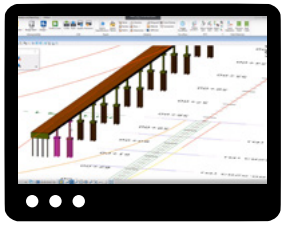
Model with design intent as OpenBridge Designer offers new and innovative technology that **captures, stores, and maintains how each design element is created**. As a result, you'll build design associations and relationships between civil elements to ensure that the design always reflects engineering intent.

With OpenBridge Designer, you'll accelerate your design production and ensure that standards are implemented using innovative technology, such as interactive modeling, dynamic relationships, and relational intelligence.

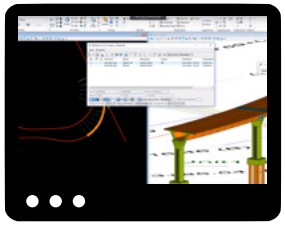
LEARN MORE BY WATCHING THE VIDEOS BELOW >



BRIDGE MODELING



PARAMETRIC DESIGN



ROADWAY SUPERELEVATION

INTEGRATE **MULTIPLE DISCIPLINES**

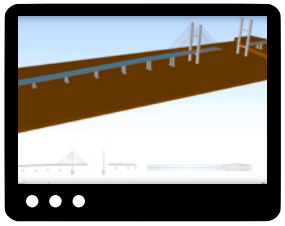
HEAR MORE

OpenBridge Designer allows you to see and use everyone's data, keeping the data ownership intact, within the confines of your own application. **This true integration helps you analyze, model, and report on all project data within a singular model.**

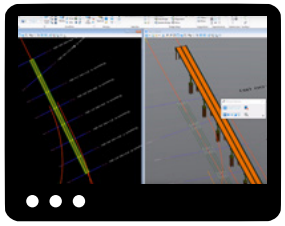
Whether you're modeling or creating an interoperable physical and analytical model for both steel and concrete bridges, use the same technology to create an integrated project model. By using OpenBridge Designer's open modeling environment, you can combine 3D project data from any source to enrich project understanding, make better engineering decisions, and reduce risk by minimizing errors and omissions prior or during construction.

LEARN MORE BY WATCHING THE VIDEOS BELOW >

BIM



MODELING AND CONSTRUCTION



STRUCTURAL ANALYSIS

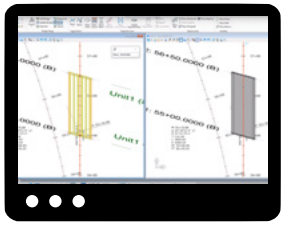
ADAPT TO **CHANGE**

HEAR MORE

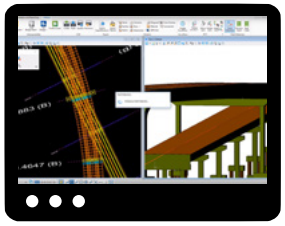
Change is constant in the design and production world, and you need to **easily, effectively, and dynamically manage design changes** without project delays. OpenBridge Designer can help you do this.

Using a model-centric approach in a true BIM methodology, designs are dynamically updated throughout the model, guaranteeing that the current design is up to date and readily available for all team members. This approach not only removes the frustrating and tedious rework for the designer, but also positively impacts your organization's return on investment.

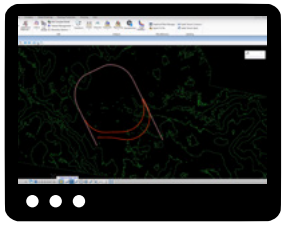
LEARN MORE BY WATCHING THE VIDEOS BELOW >



BRIDGE GEOMETRY



CLASH DETECTION



ROADWORK GEOMETRY

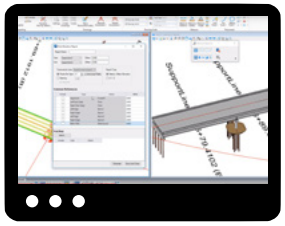
IMPROVE **PROJECT DELIVERABLES**

HEAR MORE

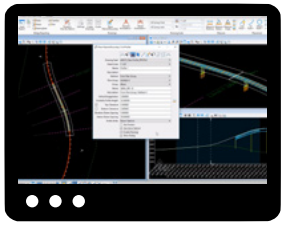
Construction drawings are no longer the only expected deliverable. Engineers and designers are now required to provide additional data like automated machine control guidance, 3D models, and other digital information. OpenBridge Designer improves project deliverables by broadening the construction documentation and data that you can produce to meet project requirements.

OpenBridge Designer **automates the production of a complete array of design deliverables**. Using quantities and geometry reports, design-time visualization, and automated plan production based on the live model, you are assured that all project information is consistent and up to date from the design office to the field.

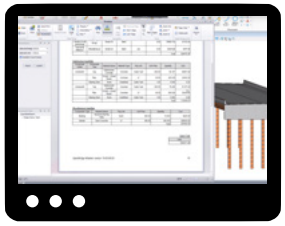
LEARN MORE BY WATCHING THE VIDEOS BELOW >



GEOMETRY REPORTS



PLAN SHEETS



QUANTITIES REPORTS

OPENBRIDGE DESIGNER

OpenBridge Designer was built to solve your critical business issues, so you can support the growing industry demands and efficiently meet increasing contract requirements.

Use this all-in-one application to optimize resources and improve project delivery while significantly increasing productivity through a highly productive, two-way process between physical and analytical design, ultimately creating the most optimized and economically safe bridge option. You can use OpenBridge Designer on any bridge from the simplest design to the most and complex. OpenBridge Designer fully automates the modeling and analytical process for steel and concrete bridges.

Get started with OpenBridge Designer, the application that unifies roadway engineers, bridge engineers, and contractors from the outset of a bridge project.

TELL ME MORE >

1-800-BENTLEY (1 800 236 8539)