

Bentley®
Advancing Infrastructure

CONNECT Edition



Structural Enterprise

Structural Engineering Analysis and Design Software

Structural Enterprise is a trusted, comprehensive portfolio of structural analysis and design applications. The software gives engineers access to virtually all of Bentley's structural analysis software, including STAAD and RAM applications, as well as specialty, purpose-built applications.

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.

Applications You Can Count On

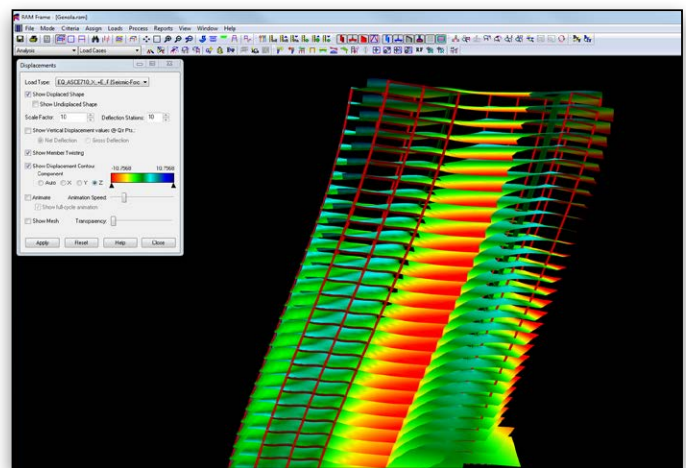
Structural Enterprise is a special software license that consolidates numerous individually priced applications into a single package. Structural Enterprise allows organizations to take advantage of the benefits of Bentley's broad interoperability. Structural Enterprise enables engineers on tight budgets to take advantage of full workflows rather than being stuck with the inefficiencies and limitations of partial workflows.

Simplified Access to Software

Structural Enterprise eliminates designers' concerns about product-by-product license availability. Each Structural Enterprise user can employ all applications within the software package, including multiple instances of applications. There are no extra fees or licenses required for sharing data between Bentley's structural products. With Structural Enterprise, a designer can build application playlists suited to a specific design sector or infrastructure asset, and to the specific design responsibilities he or she has.

Value in Multidiscipline Design

The value of Structural Enterprise extends beyond the structural design team. Because of the software's ISM (Integrated Structural Modeling) compatibility, key applications within Structural Enterprise allow bidirectional data transfer to and from other information modeling applications such as OpenBuildings Designer™, Revit, and Tekla. It even streamlines workflows between disciplines so efficiency is gained with other industry applications such as AutoPIPE for



Analysis of buildings for gravity and lateral loads in RAM Structural System.

pipe stress and SACS for offshore structural design. The ISM framework also gives the user visibility into the history of a working model, with the ability to compare, merge, and revert to previous iterations. ISM models can also be published to iModels and mobile formats as well, allowing deliverables to be utilized outside the traditional office setting.

All the Capabilities a Structural Designer Needs

Structural Enterprise allows organizations to design in any infrastructure sector, with multiple materials, using any analysis method that is appropriate for the job. Some common solutions that Structural Enterprise facilitates include designing of:

- Industrial structures and facilities
- Multistory concrete or steel buildings
- Foundations
- Water, wastewater, and environmental structures

System Requirements

Processor

Intel® Pentium or AMD processor
2.0 GHz or greater

Operating System

Windows Vista or later

Memory

Minimum of 512 MB of RAM, 2 GB
recommended

Disk Space

Minimum of 500 MB free space
is required

Display

Graphics card and monitor
with 1280x1024 resolution,
256 color display (16-bit high
color recommended)

**Find out about Bentley
at: www.bentley.com**

Contact Bentley

1-800-BENTLEY (1-800-236-8539)
Outside the US +1 610-458-5000

Global Office Listings

www.bentley.com/contact

Structural Enterprise At-A-Glance

Included Products

- STAAD.Pro Advanced
 - » STAAD.Pro
 - » Advanced Analysis
 - » Advanced Concrete Design (RCDC)
- STAAD Foundation Advanced
- RAM Structural System
- RAM Concept
- RAM Concept Post Tension
- RAM Elements
- RAM Connection
- Microstran.Advanced
- Microstran Design Code
- Limcon
- Limcon Design Code
- RCDC-FE
- Structural Synchronizer

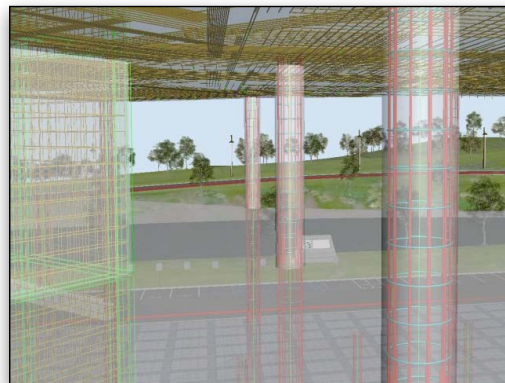
Business Benefits

- Complete workflows
- Greater reuse of information

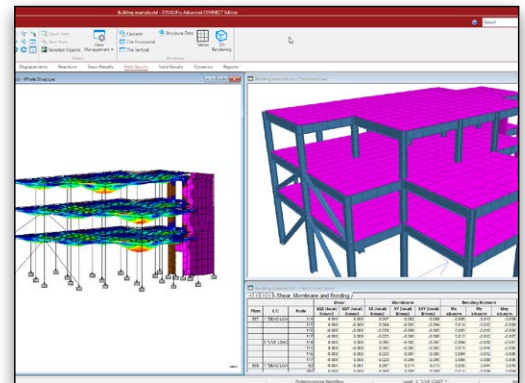
- Simplified billing
- Unlimited access for each user
- Remove barriers and inefficient work arounds
- Improve interoperability to streamline efficiency

Analysis and Design Features

- Comprehensive structural analysis, from basic static linear to response history and nonlinearity
- Exhaustive design code fulfillment for virtually all types of structures, materials, and national standards
- Steel, concrete, timber, masonry, and cold-formed steel member design, plus systematic checks required by design codes where applicable
- Design and detailing of steel connections and steel reinforcing
- Detailed calculations, design reports, and CAD drawings
- Compatibility with OpenBuildings Designer, Revit, Tekla, AutoPIPE, SACS, and others
- Compatible with mobile formats



An example of an iModel assembled from information modeling platforms and Structural Enterprise design applications.



Generate analytical models directly from the engineer's physical model with STAAD.