

Bentley®
Advancing Infrastructure

CONNECT Edition



Structural Enterprise

Structural Engineering Analysis and Design Software

Structural Enterprise is a bundling of STAAD®, RAM®, and Microstran products, each of which has been used to design infrastructure projects both large and small for decades. Structural Enterprise reduces upfront costs, simplifies business transactions, and removes barriers to complete product interoperability.

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.

Technology to Build Your Business

Structural Enterprise is a special software license that provides access to the entire RAM brand and most of the STAAD and Microstran products. Structural Enterprise consolidates numerous individually priced applications into a single package.

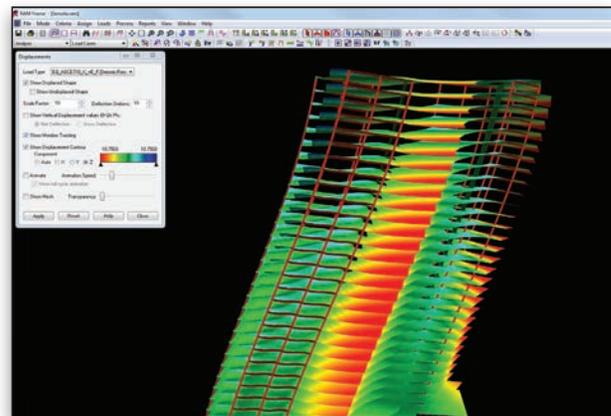
Structural Enterprise allows organizations to make full use of Bentley's interoperability. Bentley structural software is most effective when used together. Previously, users on tight budgets had to carefully choose products and were often stuck with partial workflows. Structural Enterprise gives users access to virtually all Bentley structural products.

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 compatibility, key applications within Structural



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

Enterprise allow bi-directional data transfer to and from other information modeling applications such as OpenBuildings Designer, Revit, and Tekla. 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. This is possible through ISM's revision tracking tool. 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 design of:

- Industrial facilities using STAAD.Pro® Advanced, RAM Connection, and STAAD Foundation Advanced;
- Water, wastewater, and environmental structures using STAAD.Pro Advanced, RAM Concept, and STAAD Foundation Advanced;
- Transportation structures using STAAD.Pro Advanced, RAM Connection, RAM Concept, and STAAD Foundation Advanced;
- Multi-story concrete buildings using RAM Frame Analysis, RAM Concrete, RAM Concept, and RAM Foundation;
- Multi-story steel buildings using RAM Steel, RAM Frame Analysis, RAM Frame Steel Design, RAM Connection, and RAM Foundation;
- Industrial structures using Microstran, Limcon, and STAAD Foundation Advanced.

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

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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 Steel
 - » RAM Frame Analysis
 - » RAM Frame Steel Design
 - » RAM Concrete
 - » RAM Foundation
- 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

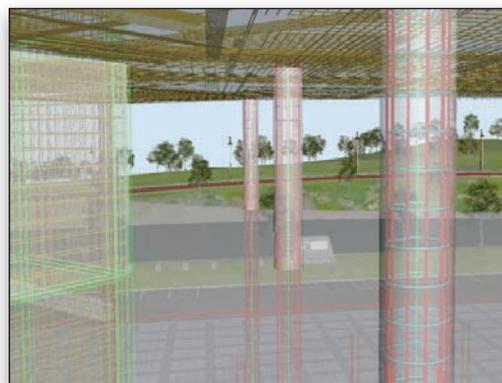
Solutions

- Design industrial facilities using STAAD.Pro Advanced, RAM Connection, and STAAD Foundation Advanced

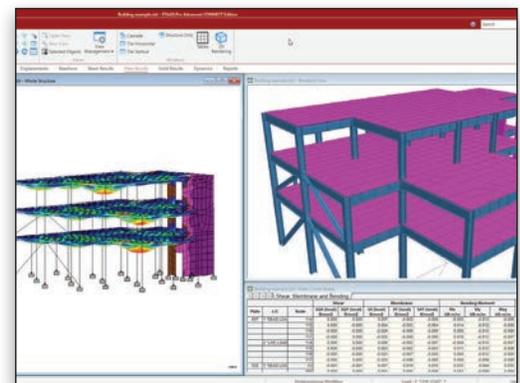
- Design water, wastewater, and environmental structures using STAAD.Pro Advanced, RAM Concept, and STAAD Foundation Advanced
- Design transportation structures using STAAD.Pro Advanced, RAM Connection, RAM Concept, and STAAD Foundation Advanced
- Design multi-story concrete buildings using RAM Frame Analysis, RAM Concrete, RAM Concept, and RAM Foundation
- Design multi-story steel buildings using RAM Steel, RAM Frame Analysis, RAM Frame Steel Design, RAM Connection, and RAM Foundation
- Design mixed framing structures using RAM Structural System, RAM Concept, RAM Connection, and RAM Elements
- Design industrial structures using Microstran, Limcon, and STAAD Foundation Advanced

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, 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 engineers physical model with STAAD.