



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. Structural Enterprise reduces upfront costs, simplifies business transactions, and removes barriers to complete product interoperability.

Integrated Modeling and Documentation Workflows

The CONNECT Edition provides a common environment for comprehensive project delivery and connects users, projects, and your enterprise. With the CONNECT Edition, you now have a personal portal to access learning, communities, and project information. You can also share personal files including i-models and PDFs directly from your desktop with other users, or stage them for easy access from a Bentley mobile app, such as Structural Navigator. With the new project portal, your project teams can review project details and status, and gain visibility into project performance. With the CONNECT Edition, your project team may also wish to take advantage of the new ProjectWise® Connection Services including Project Performance Dashboards, Issues Resolution, and Scenario Services.

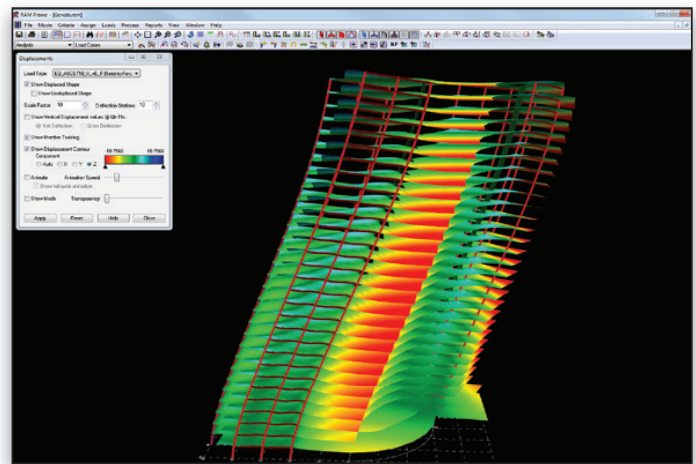
Technology to Build Your Business

Structural Enterprise is a special software license that provides access to the entire RAM product line and most of the STAAD and Microstran product lines. Structural Enterprise consolidates numerous individually priced applications to a single package and maintenance fee with a Structural Enterprise License.

Structural Enterprise allows organizations to make full use of Bentley's product interoperability. Bentley structural software is most effective when used all 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.



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

Value in Multi-disciplinary Design

The value of Structural Enterprise extends beyond the structural design team. Thanks to ISM compatibility, key products within Structural Enterprise allow bi-directional data transfer to and from information modeling applications such as AECOsim Building 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 i-model and mobile formats as well, allowing deliverables to be utilized outside the traditional office setting.

All the Tools 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®, RAM Connection, 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 500MB 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
- STAAD.Pro Design Code
- STAAD Foundation Advanced
- STAAD.beava
- Sectionwizard
- 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
- Microstran.Pro
- Microstran.Advanced
- Microstran Design Code
- Limcon
- Limcon Design Code
- Structural Synchronizer

Business Benefits

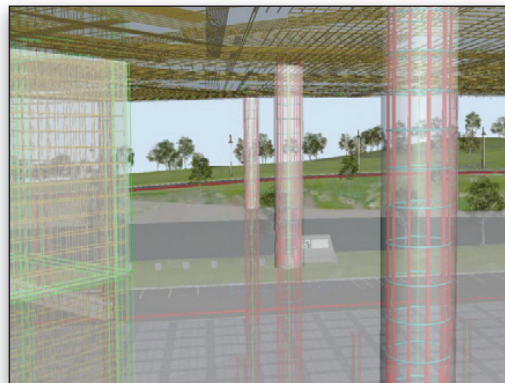
- Complete workflows
- Greater reuse of information
- Simplified billing
- Unlimited access for each user

Solutions

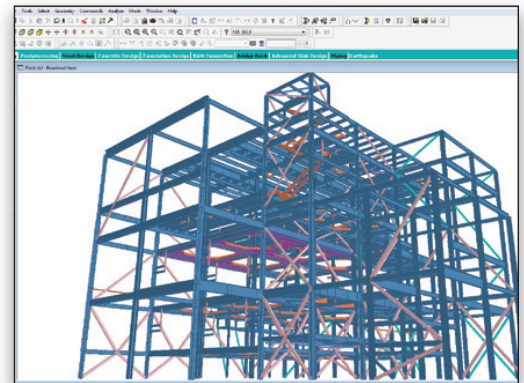
- Design industrial facilities using STAAD.Pro, RAM Connection, and STAAD Foundation Advanced
- Design multi-story concrete buildings using RAM Frame Analysis, RAM Concrete, RAM Concept, and RAM Foundation
- Design multi-story steel buildings using RAM Steel, RAM Frame Analysis, RAM Frame Steel Design, 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, steel reinforcing
- Detailed calculations, design reports, and CAD drawings
- Compatibility with AECOSim Building Designer, Revit, Tekla, and others
- Compatibility with mobile formats



An example of a Bentley i-model assembled from information modeling platforms and Structural Enterprise design products.



An example of structural analysis and design of steel-framed platform using STAAD.Pro.