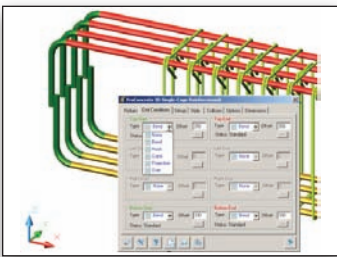




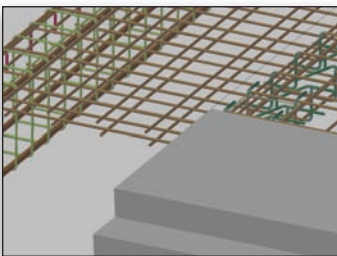
## Bentley® ProConcrete™ V8i

Advanced 3D CAD Software for Modeling, Detailing and Scheduling for Reinforced Insitu / Precast and Post-Tensioned Concrete Structures

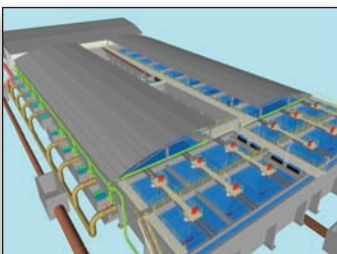
ProConcrete V8i – Simple and easy to use tools for advanced 3D modeling of reinforced concrete structures producing automated design and detail drawings and rebar schedules. Enabling engineers to reduce the documentation production time and assist them in eliminating errors and design flaws.



*Bar end conditions based on local standards and codes*



*3D Visualization makes more sophisticated re-bar design easy*



*Adelaide Desalination Plant - integrated with multiple engineering disciplines within one model*

### Increased Productivity and Quality

ProConcrete V8i allows engineers to model reinforced concrete easily with parametric tools for the creation of almost any concrete structure and provides real time 3D visualization. Modeling the structure becomes quick and easy, as well as producing automated drawing documentation of reinforced structures from any plane. Revisions to your documentation are automatically updated when modifying your project. A full bill of materials and reinforcement schedules can also easily be extracted, providing readily available valuable information for project costing and estimation. The reinforcing schedules and the bill of materials are all easy to extract from the 3D model, reducing the time to produce documentation by up to 50% when compared to current methods used. Our intuitive and integrated multi-material modeler is perfectly suited to layout complex structures, produce design drawings, detail pre-cast drawings and bar bending schedules with the click of a mouse. Users are also able to assemble their bar bending layouts and manage the bill of materials. ProConcrete V8i not only enables engineers to reduce the documentation production time but also virtually eliminate errors and design flaws.

*Whenever the model is updated, the drawings are able to be automatically updated.*

### Interoperability and Open Format Provides Flexibility

Using ProConcrete V8i with our already successful product ProSteel V8i enables engineers to design and document composite structures. ProSteel V8i is an innovative 3D modeling environment for structural steel and metal work supporting your construction and planning tasks. The combination of these two products is also available under the ProStructures product suite.

Database driven and easy to edit tables using Microsoft Excel or Access. ProConcrete V8i is standards based, all bar bending, laps, development length, values are based on regional codes. There are standard profiles provided but user defined profiles may also be created and drawing styles can be driven by user templates.

A variety of structures can be easily created such as, commercial, residential, industrial, stadiums, civil works, retaining walls, culverts and bridges. ProConcrete V8i is compatible with AutoCAD and soon on the MicroStation® V8i based platform, with total integration and intelligence able to be ported between the two. ProConcrete V8i has the ability to import and export from the AutoCAD environment to MicroStation V8i and back through it's intelligent file format This allows for seamless collaboration with your business partners.

Using ProConcrete V8i allows for integration within a single environment with other disciplines on your team. This can include architectural, steel, plant and process, HVAC and services.

### Developed by Engineers with Expertise

From initial planning and design to assembly, ProConcrete V8i is comprehensive software built by engineers experienced with concrete design. That expertise in building codes, construction techniques, materials and the design process is embodied in the program; careful consideration has been given to the needs of the engineer in the design of concrete structures and in the execution of a design project. For example we provide multiple cages in elements and multiple hinge zones for beams. Our many years of experience in the field of AutoCAD development and the close contact with our users has contributed to ProConcrete V8i becoming an internationally recognized and important application for 3D concrete design and rebar scheduling.

## System Requirements

### Processor:

Intel Pentium IV-based PC/workstation

### Operating System:

Microsoft Windows XP, Windows Vista, Windows 7 and Windows 7x64 support

**Memory:** 1GB RAM (Windows XP SP2), 2 GB RAM (Windows Vista, Windows 64-bit), 4GB RAM (Windows 7 and Windows 7x64 support)

### Hard Disk:

2GB minimum free disk space

**Input Device:** Mouse

**Video Card:** 512MB Video Card

**Find out about Bentley at: [www.bentley.com](http://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](http://www.bentley.com/contact)

## ProConcrete V8i At-A-Glance

- Easy to learn
- Fast modifications by direct update in 3D/2D
- Stairs/beam/columns/ramps and folds
- Dialogue boxes with clear auxiliary dialogs
- Rollover mechanism
- International rebar libraries with preference series
- Rebar modification tools – template styles
- Special shapes with database connections
- Modification in 3D
- Extensive block management
- Creation of parts lists from the model
- Cut lists
- Output of part lists in many file formats such as PDF, RTF, HTML
- Drawings parts lists in 2D drawings
- Automatic generation of all 2D drawings for costing and production
- Intelligent dimensioning
- Single sheet output or multiple details per sheet
- Project drawing manager
- Programming interface (COM/VBA) for user defined applications

### Firm Type

- Structural engineering firms
- Multi-discipline E/A and A/E firms
- Government agencies

### Firm Size

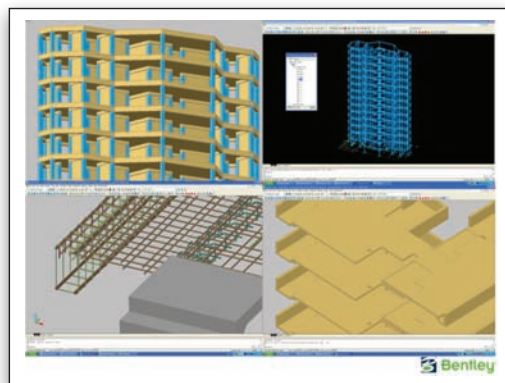
- Sole proprietor structural engineers
- Small and medium enterprises
- Large multinational firms

### Who Uses ProConcrete V8i

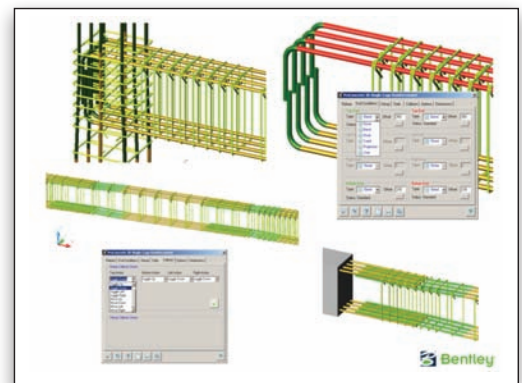
- Structural/civil engineers
- Plant engineers
- Fabricators
- Detailers
- Architects
- Educators

### Firms of All Types

- Structural/civil engineering firms
- Plant industry
- Construction companies
- Architects
- Universities
- Structural consultants
- Firms of all sizes
- Small to large size companies



*ProConcrete V8i is suitable for use on any concrete structure, pre-cast or cast in place, structures for plant, civil or building with its advanced concrete and re-bar modeling tools.*



*ProConcrete V8i is based on standards and templates, so we can re-use our data readily rather than re-create it.*