



## CADWORX PLANT PROFESSIONAL:

- Intelligent 3D Piping Design
- Specification-driven Design
- Intelligent 3D Steel Modeling
- Links to Steel Analysis
- Stairs, Ladders and Hand Railings
- Equipment\*
- Ducting/Cable Trays
- Collision Checking
- ISOGEN Isometrics
- Live Database Links
- Intelligent Process Diagrams
- Model/P&ID Synchronization
- CADWorx Design Review
- Links to Stress Analysis\*\*

\* Links to Intergraph® PV Elite™ and PV Fabricator™

\*\* Links to Intergraph® CAESAR II®

## CADWORX® PLANT PROFESSIONAL

Intergraph® CADWorx® Plant Professional includes the most complete range of tools for efficient plant design. CADWorx Plant Professional is easy to learn and has helped thousands of corporations create revenue-earning deliverables quicker and more accurately.

### Efficient Plant Design

CADWorx Plant Professional allows for quick and easy creation of fully intelligent 3D plant models. Because CADWorx models are AutoCAD® based, they offer unparalleled flexibility and collaboration.

### Structural Steel and Equipment

Powerful and intuitive structural steel and equipment modeling capabilities are included to provide the most complete plant models.

### Ducting and Cable Trays

In addition to steel and equipment modeling, HVAC ducting and cable tray routines are also built in. Square, rectangular, round and oval shapes, with transitions, are all available.

### Piping Specifications

Hundreds of ready-to-use specifications in metric and imperial formats are included that reference data files of over 60,000 parametrically-driven components.

### Automatic Isometrics

Automatic isometrics can be produced from piping layouts or project databases. CADWorx Plant Professional includes ISOGEN® for automatic isometric production.

### Collision Checking

CADWorx Plant Professional offers built-in clash detection. Collisions can be detected in the current model and also against any externally referenced files. Options allow clashes to be reported 'on-the-fly' or at any time during the design process.

### Database Links

CADWorx Plant Professional allows users to create accurate, user-configurable bills of material in the most popular database formats. The optional live database links in CADWorx Plant Professional provide real-time design status and valuable information backup.

### Intelligent Process Diagrams

CADWorx Plant Professional allows for the quick and easy creation of fully intelligent P&ID's and does so without the need to change the current look and feel of existing drawings, symbols or corporate standards.

## Model and P&ID Synchronization

When used in conjunction with the live project database, CADWorx Plant Professional allows for intelligent component checking against project P&ID's that were created using CADWorx P&ID Professional.

## Walkthrough Capabilities

CADWorx Design Review is included for model review and true 3D design collaboration.

## Links to Stress Analysis and Stress Isometrics

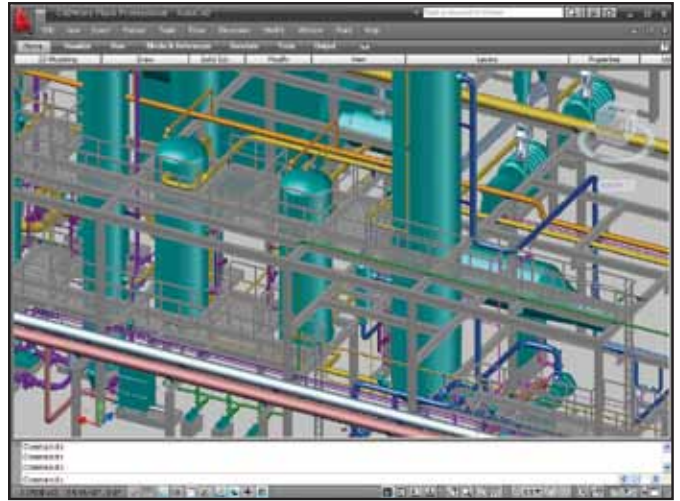
CADWorx Plant Professional has bi-directional links to Intergraph CAESAR II®, the world's most widely used stress analysis package.

## Technical Specifications

- AutoCAD® compatible
- Microsoft® Windows® XP Pro, Windows Vista® Ultimate or Windows 7 (Minimum)

## Application Areas

Process and Plant Design, Piping, Equipment, Steelwork, Petrochemical, Chemical, Power, Offshore, Food, Beverage, Brewing, Pharmaceutical, Water Treatment, Building Services, Shipbuilding and Architectural.



CADWorx Plant Professional provides the most full-featured and cutting-edge tools for efficient and accurate design.

## ABOUT INTERGRAPH

Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph's industry-specific software to organize vast amounts of data into understandable visual representations and actionable intelligence. Intergraph's software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world.

Intergraph operates through two divisions: Process, Power & Marine (PP&M) and Security, Government & Infrastructure (SG&I). Intergraph PP&M provides

enterprise engineering software for the design, construction, and operation of plants, ships, and offshore facilities. Intergraph SG&I provides geospatially powered solutions to the defense and intelligence, public safety and security, government, transportation, photogrammetry, utilities, and communications industries.

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