# HEXAGON PPM

**CADWORX® PLANT PROFESSIONAL**

# MOST COMPLETE RANGE OF TOOLS FOR EFFICIENT PLANT DESIGN

## Capabilities:

- Intelligent 3D piping design
- Specification-driven design
- Efficient specification management
- Dynamic pipe supports
- Detailed bill of materials
- Equipment*
- Ducting/cable trays
- Collision checking
- Isogen® isometrics
- Live database links
- Intelligent process diagrams
- Model/P&ID synchronization
- Links to stress analysis**
- Microsoft® Windows® compatible

\* Links to PV Elite®

\*\* Links to CAESAR II®

CADWorx Plant Professional enables effective plant design and is easy to learn. The software has helped thousands of corporations create revenue-earning deliverables more quickly and accurately.

CADWorx Plant Professional enables fast and easy creation of fully intelligent 3D plant models. Because CADWorx models are DWG-based, they offer unparalleled flexibility and collaboration.

## Database Links

Users can 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.

## 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 enable clashes to be reported "on-the-fly" or at any time during the design process.

## 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.

## Structural Steel and Equipment

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

## Piping Specifications

Hundreds of ready-to-use specfcations in metric and imperial formats are included. They reference data files of more than 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.

## Walkthrough Capabilities

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

## Model and P&ID Synchronization

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

## Change Size Change Spec

Automated and intuitive routines make changing piping sizes and specfcations quick and easy.

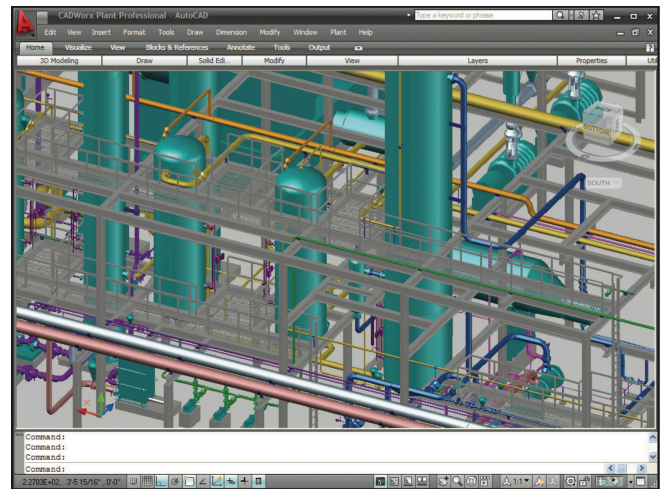## Technical Specifications

• AutoCAD®-compatible.
• BricsCAD®-compatible.
• Microsoft® Windows®-compatible.

## Links to Stress Analysis and Pressure Vessel Analysis

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

## Application Areas

Process and Plant Design, Piping, Equipment, Steelwork, Petrochemical, Chemical, Power, Offshore, Food, Beverage, Brewing, Pharmaceutical, Semiconductor, 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 Hexagon PPM

Hexagon PPM is the world's leading provider of asset life cycle solutions for design, construction, and operation of industrial facilities. By transforming unstructured information into a smart digital asset, our clients are empowered to visualize, build, and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire life cycle.

Hexagon PPM is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technology  solutions that drive productivity and quality across geospatial and industrial landscapes.