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

CADWorx Plant Professional enables faster 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 trays, HVAC ducting and cable tray routines are also built-in. Square, rectangular, round, and oval shapes, with transitions, are all available.

CHANGE SIZE CHANGE SPEC
Automated and intuitive routines make changing piping sizes and specifications quick and easy.

PIPING SPECIFICATIONS
Hundreds of ready-to-use specifications 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.

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.
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.

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 Intergraph CADWorx P&ID Professional.

WALKTHROUGH CAPABILITIES
CADWorx Design Review is included for model review and the publishing of review files for access by CADWorx Design Viewer and Intergraph FreeView® for Apple iPad.

LINKS TO STRESS ANALYSIS AND STRESS ISOMETRICS
CADWorx Plant Professional offers bi-directional links to Intergraph CAESAR II, the world’s most widely used stress analysis package.

TECHNICAL SPECIFICATIONS
• AutoCAD-compatible.
• Microsoft® Windows®-compatible.

APPLICATION AREAS

ABOUT INTERGRAPH
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