ORTHOGEN® FOR CADWORX®

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2D Plans, Sections, and Elevation Drawings

OrthoGen® for CADWorx® Plant Professional enables 2D plans, sections, and elevations drawings to be created automatically from CADWorx Plant Professional 3D models. Even in today's 3D world, annotated and dimensioned orthographic drawings are still a required deliverable. OrthoGen reduces this process from hours to only minutes.

Capabilities:

- Integrated with BricsCAD® and AutoCAD®
- Operates on native viewports and xRefs
- Delivered with 40 pre-defined view styles
- Easy repositioning and rotating of labels
- Support for Dimension Elements
- Automatic column grid references
- Fast, high resolution, white space search algorithms

INTEGRATED WITH BRICSCAD® AND AUTOCAD®

The OrthoGen integrated drawing interface quickly reads properties directly from CADWorx model files. Because OrthoGen operates within the BricsCAD and AutoCAD environment, users can auto-annotate and conduct other 2D embellishments through viewports. OrthoGen also integrates well with existing userdeveloped CADWorx commands, details, standards, and block libraries.

FLEXIBLE SETTINGS AND STANDARDS CREATION

The user interface enables users to select from thousands of option combinations. These combinations can be saved as drawings styles for future individual or group use. In addition, the production mode interface provides easy enforcement of project standards. To ensure user productivity, OrthoGen comes with 40 predefined and editable drawing styles, so users can be up and running in no time.

MULTIPLE VIEWPORTS AND XREFS

OrthoGen enables the use of multiple viewports and utilizes data from xRefs up to three levels deep. Because of this flexibility, users can create drawings representing multiple scales and views. Orthogen is also tightly integrates into the AutoCAD environment and supports the AutoCAD User Coordinate Systems (UCS).

EASY LABEL REPOSITIONING AND MODIFICATION

When using OrthoGen in the CADWorx environment, you can take advantage of basic BricsCAD and AutoCAD commands to move and rotate labels. These edits are preserved when running updates on the drawing, eliminating unnecessary rework. Users can also add additional dimensions, hatching, notes, details and more.

AUTOMATIC COLUMN GRID REFERENCES

Creating a single grid model helps to coordinate and automate the placement of grid labels for all drawings on a project. Grid models provide a firm dimensional base that helps eliminate guesswork and the introduction of errors.

TECHNICAL SPECIFICATIONS

- BricsCAD®-compatible (included)
- AutoCAD®-compatible

ANNOTATIONS WHERE YOU WANT THEM

The fast, high-resolution, white-space search algorithms enable you to generate orthographic representations that will automatically avoid areas that you do not wish for dimensions or annotations to appear. Commands also help define dimension "edges" on the drawings.

APPLICATION AREAS

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

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WHAT NEXT?

If you would like to learn more about how you can use Orthogen® for CADWorx® for 2D Plans, Sections, and Elevation Drawings, contact us to be put in touch with one of our CAD/CAE experts.

Email info@docanco.com or call 0160 621 2330.

ABOUT HEXAGON

Orthogen® for CADWorx® is produced by Hexagon.

Hexagon is a global leader in sensor, software and autonomous solutions, putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Hexagon's PPM division empowers its clients to transform unstructured information into a smart digital asset to visualize, build and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire lifecycle. Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 3.9bn EUR.

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