

# CADWorx

**Product:** CADWorx Plant: 2017 R1 (17.01.00)  
CADWorx P&ID: 2017 R1 (17.01.00)  
CADWorx Equipment: 2017 R1 (17.01.00)  
CADWorx Design Review: 2017 R1 (17.01.00)

**Description:** Intergraph CADWorx Plant Design Suite is an integrated and complete software series for plant design that provides intelligent drawing/database connectivity, advanced levels of automation, and easy-to-use drafting tools. The comprehensive series of design tools includes structural steel, equipment, process and instrument diagrams, and design review, plus automatic isometrics and bills of material.

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## System Requirements

### AutoCAD

CADWorx is compatible with the following AutoCAD versions:

- AutoCAD 2017 (64 bit)
- AutoCAD 2016 (64 bit)
- AutoCAD 2015 (64 bit)
- AutoCAD 2014 (64 bit)

CADWorx is compatible with the following Autodesk vertical products (2017-2014):

- AutoCAD Mechanical
- AutoCAD Electrical
- AutoCAD Architecture
- AutoCAD MEP
- AutoCAD Civil 3D
- AutoCAD Map 3D

CADWorx is NOT compatible with:

- AutoCAD LT
- Autodesk Inventor
- Autodesk Revit

CADWorx is compatible with the following operating systems, based on your version of AutoCAD or the Autodesk vertical product:

AutoCAD 2017: Windows 7, Windows 10

AutoCAD 2016: Windows 7, Windows 10

AutoCAD 2015: Windows 7, Windows 8

AutoCAD 2014: Windows 7, Windows 8

For the most up-to-date AutoCAD system requirements, check the Autodesk website.

**Important:** Beginning with Windows 10 and Oracle 12.1.0.2, Microsoft and Oracle will enforce the Internet Host Table Specification RFC 952 which mandates that component hostname labels can contain only alphanumeric characters. Hostnames using underscores ('\_') are not allowed. Refer to Oracle Support Articles 1603775.1 and 1957895.1 and Microsoft KB 101785.

## BricsCAD

CADWorx is compatible with the following BricsCAD versions:

BricsCAD 17.2

The operating system compatibility is based on BricsCAD used:

BricsCAD 17.2: Windows 7, Windows 10

## Version Compatibility

For up-to-date information on the software compatibility of this product in a standalone or integrated environment, please refer to the Compatibility Matrix on the Intergraph PPM Support Web site at <https://smartsupport.intergraph.com/>.

Log on and perform the following steps:

1. Click the **View Downloads** tab.
2. Click the **Product Compatibility** link under **Useful Links** on the right side.
3. On the **PPM Compatibility Matrix - Product Report** page, from the Select Product list, select CADWorx.
4. From the **Version** list, select the version of CADWorx.

## Documentation

### General

Use the Help menu to access the Help files and Printable Guides for this product. For the latest support information for this product, use a World Wide Web browser to connect to <http://support.intergraph.com>. Also, you can submit any documentation comments or suggestions you might have on the Intergraph support site.

Printed documentation is not available for separate purchase.

### PDF Files

The documentation is provided as .pdf files. You can use any PDF viewer to view the files.

## Training

To register for training on Intergraph Process, Power & Marine products, call Training Registration at (800) 766-7701 in the U.S. Outside the U.S., call (256) 730-5400 or contact your local Intergraph office.

For current information on training, use a World Wide Web browser to connect to <http://www.intergraph.com/ppm/training/>.

## Customer Support

For the latest Support Services information for this product, including solutions to known software issues, use a World Wide Web browser to connect to <http://support.intergraph.com/>.

To open service requests outside the U.S., please contact your local Intergraph office.

## CADWorx New Features

### New Features in CADWorx Plant 2017 R1

This version of CADWorx Plant features the following new enhancements:

- You can now set your material list for Isogen so that the output shows all materials based on separate specifications, or combines identical components from different specifications into one list using the **IsogenSplitMaterialsBySpec** variable.
- Supports BricsCAD 17.2

### New Features in CADWorx Spec Editor 2017 R1

This version of CADWorx Spec Editor features the following new enhancements:

- Added support for the following SPRD interface imports, defined in the SPRD export content:
  - Component connection class and rating.
  - Custom fields.

### New Features in CADWorx P&ID 2017 R1

This version of CADWorx P&ID features the following new enhancements:

- You can specify whether P&ID automatically adds flow arrows to your process lines with the **AutoArrow** setting in the **Configuration File** dialog box.
- You can specify the size of the flow arrows that the software automatically adds to your process lines with the **CurrentArrowSize** setting in the **Configuration File** dialog box.
- You can add a vertex to a process line to make it one continuous line. Select a line, right-click, and then select **Add Vertex**.
- You can reverse the direction of flow arrows, enable and disable flow arrows, add, and erase flow arrows from the line. Select a line, right-click, and then select **Reverse**, **Enable Arrows**, or **Disable Arrows**.
- Line tags move with the line when using grip points.

- Enhanced the process lines in the following ways:
  - When you delete a line, the other lines mend at all breaks along those lines and removes all flow arrows on the deleted line segment.
  - When you move a process line by grip point, the old location break mends and a new break displays at the new location.
  - When you use the middle grip point on a process line, it moves the entire process line with the in-line components.
  - When you use the corner grip point on a process line, it moves the individual process line segments.
- Enhanced valve insertion in the following ways:
  - When you move a valve by grip point from one line to another, the software mends the break at the insertion and displays a new break at the new location.
  - When you erase a valve, the software mends the break at that location.
- Enhanced reducer insertion in the following ways:
  - When you insert a reducer and assign the reduction size to the reduction side of the line, it prompts you to change the size of the components along that line.
  - When you remove a reducer, the process line mends and the process line size changes to the non-reduction size for the entire line.

## New Features in CADWorx Design Review 2017

This version of CADWorx Design Review features the following new enhancements:

- You can export equipment and structure to an Industry Foundation Classes (.ifc) file.
- You can map IFC configurations in the **IFC Configurations** dialog box.
- Supports BricsCAD 17.2 Compatibility.

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