CADWorx New Features
New Features in CADWorx Plant 2019

This version of CADWorx Plant features the following new enhancements:

▪ Updated the **Graphic Overlay Editor** to include valves.

▪ Updated Isogen with the following capabilities:

• You can create script files to silently run -**ISOGENOUT** and -**ISOGENBATCH**.

• You can connect to an I-Configure directory from the **Select Isogen Style** dialog box with options to select a **ProjectList.xml**, a **Project_Data.xml**, or a **Style.xml**.

• You can toggle when **ISOGENOUT** and **ISOGENBATCH** create a single PCF or multiple PCFs for line numbers when you run the command.

• **ISOGENCONTINUATIONGRAPHICS COUNT** now works with **ISOGENOUT**.

• You can use long path names for Isogen.

▪ Added information about using **Isogen Configuration** to set up isometric drawing and report output and defining mapping between CADWorx custom data and PCF component, material, and weld attributes.

▪ You can toggle when **PCFOUT** creates a single PCF or multiple PCFs for line numbers when you run the command.

▪ Integration with CAESAR II has been improved with the addition of the new C2PCF command. More data is being passed to CAESAR II through this command than C2OUT which will be retired in a future release.

▪ Additional insulation fields can be output to ISOGEN and displayed in an isometric drawing.

▪ Soft Clash Volumes can now be included in CADWorx Plant to help reserve space for maintenance or installation of equipment. These volumes can be placed with a variety of placement options as well as associate the soft clash with an object.

▪ Enhanced the usability of clash detection which is now called **Clash Management**. Actions users can take in the Clash Management palette include ignoring different clash types and creating soft clashes.

▪ Enhanced **Bill of Material** to allow you to create, modify, and transfer templates for bill of materials (which can now include multiple disciplines) and use them across multiple CADWorx products. You can also edit the sort order for multiple product use and apply filtering to obtain BOM for only the items you wish to see.

▪ Improved the usability of the matched and unmatched features in **PID VIEW** by adding customizable column layouts, search and filter options, multi edit capabilities, and easy to read layouts for comparing properties sets between the 3D model and P&ID schematic.

▪ Nozzles have been added as a component that can be compared and modeled in PID VIEW.

▪ Designers can now save time by creating their own matched and unmatched reports from the 3D model in PID VIEW in addition to the reports that are available for Administrators in the MS Access Reporting Utility. Both reports have been updated for better layout and usability.

▪ Pipe schedules associated with welds can now be displayed on weld lists.

▪ Weld and insulation attributes can now be extracted to PCF for use in Isogen.

▪ Catalog compatibility has been preserved.

New Features in CADWorx Spec Editor 2019

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

▪ You can select which reduction sizes your specification allows on reduction components.

▪ Updated keywords information to clarify content.

▪ You can import bolt diameter and bolt length from SRD data, and the CADWorx Specification Editor adds the BOLTDIA, and BOLTLEN columns to your tables. For more information, see the SRD documentation as of the SDB 2019 release.

▪ You can enter data to rotate the x-axis, flip the y-axis, and disable the topworks for a valve. These options relate to the display of the valve when in a graphic overlay.

▪ You can save to 2017-2019 project file format in the **Save As** option.

▪ You can use commas in data table names.

New Features in CADWorx P&ID 2019

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

▪ Improved process line functionality to automatically update in-line components when process line properties are changed and vice versa.

▪ If project-specific menu symbols are not found, the software selects the .dwg file from the default .dat file delivered with the software.

▪ Maximum column width of the component data table has now increased to 255 characters when using Microsoft Access database.

▪ The Maximum number of columns supported by P&ID has increased to 255 columns. Microsoft Access database users can now fully utilize the capabilities of MS Access database.

▪ Process line tags now support multiple lines of data.

▪ Inheritance features have been added for instrument components.

▪ Process line inheritance feature has been extended to nozzles.

▪ SpecControl has a new, stricter value (2) that prevents placement of components that lack a defined program code.

New Features in CADWorx Equipment 2019

This version of CADWorx Equipment features the following new enhancements:

▪ You can now insert soft clashes on equipment.

▪ Enhanced clash detection which is now called **Clash Management**. You can now place soft clashes with several place by options, as well as associate the soft clash with an object. Enhanced the clash settings to include ignoring different clash types and soft clashes.

▪ Enhanced **Bill of Material** to allow you to create, modify, and transfer templates for bill of materials and use them across multiple CADWorx products. You can also edit the sort order for multiple product use and apply filtering to obtain BOM for only the items you wish to see.

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