



HEXAGON
PPM

What's Changed in CADWorx 2019 SP1

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What's Changed in CADWorx Design Review 2019 SP1

CR - 28384: IFC Export should handle data with multiple languages

CADWorx Design Review Professional can now publish IFC files even if the drawings contain data/intelligence in other languages.

Out of the box, we tested drawings with data/intelligence in Spanish, Japanese, Korean and Chinese languages.

All of the component data, custom data, and isogen data will be exported through CDR Pro IFC Export.

TR - 28383: Cannot open *.ifc file with IFC viewer that exported from CDR

User is now able to open IFC files published from CDR Pro with IFC Viewer.

TR - 28385: IFC export gives an error :error code=7

User is now able to publish IFC files with out receiving any error codes.

DM - 28919: Compatibility with Legacy Components

CDR Pro now supports Legacy CADWorx Components (2012 Read-Only). User now can measure the components without any issues. User are now able to see the snap point options on the legacy drawing components as well.

What's Changed in CADWorx P&ID 2019 SP1

CR - 28178: BricsCAD v19 Support

CADWorx P&ID 2019 SP1 takes advantage of the latest BricsCAD has to offer so that you can continue to be competitive in your market. Users are able to run CADWorx P&ID with BricsCAD v19.

DM - 28327: The nozzle size does not get updated when a reducer is inserted

Nozzle Size now gets updated when user inserts a reducer after applying 2019 SP1.

DM - 28209: Crashed Issue with PID Edit Item button

After applying 2019 SP1, clicking on the Edit item button on any of the selected components like Valve Pinch, Valve Quick, Valve Closed, Flex Hose will not crash the P&ID anymore.

DM - 28535: Type Assign removes TAG

After applying 2019 SP1 Type Assign on a component will not remove the TAG. User can now see the TAG in the tooltips and as well as in CEDIT dialog.

DM - 28402: MAINASSIGN to nozzle on equipment changes all nozzle sizes

MAINASSIGN to nozzle on an equipment will not change all nozzle sizes any more after applying 2019 SP1. User can select the nozzle which they want to change the size on equipment using MAINASSIGN.

DM - 28156: User shape cannot be added when spec control is on

User is now able to place user shapes when spec control is on, and can only place user shapes which are in the spec that is controlled by administrators.

DM – 28419: Using MAINASSIGN does not change the components on line

After applying 2019 SP1, data propagation (size and spec) will happen from process line to inline components when using MAINASSIGN command as well. This data propagation will honor the AutoSpecSizeUpdate flag. From 2019 SP1, MAINASSIGN will now work the same as the CEDIT dialog in P&ID.

DM - 28420: Adding Reducer does not Update Process Line

In CADWorx P&ID 2019 SP1, adding a reducer on a process line in between two valves with or without Tag name will now update reduction side.

DM - 29154: Cannot Add Tags or Additional Data to Equipment Components

In CADWorx 2019 SP1, fixed issues related to displaying tags and also adding additional data to the equipment components.

DI - 29186: Tag doesnt get updated/propagated with no database

In CADWorx P&ID 2019 SP1, we updated documentation to let users know that data will not be propagated to the tag on a process line when the drawing is not connected with a database.

DM - 29223: BricsCAD fatal error when selecting perpendicular

In P&ID 2019 SP1, fixed issues related to grip points on process lines and also issues related to snapping options in BricsCAD V19 version.

DM - 28743: Documentation - InstinheritanceUpdate has no help information

Clicking on InstinheritanceUpdate and hitting F1 brings up the CADWorx P&ID Help window and now in the right window it shows the help description.

What's Changed in CADWorx Plant 2019 SP1

RI - 27979: BricsCAD v19 Support

CADWorx Plant 2019 SP1 takes advantage of the latest BricsCAD has to offer so that you can continue to be competitive in your market. Users are able to run CADWorx Plant Pro with BricsCAD v19.

RI - 28161: Sloped Pipe Enhancements

To assist designers when the inevitable project changes occur, CADWorx Plant 2019 SP1 will provide the user with the ability to change the slope value on a sloped pipe without having to remodel the entire segment. This slope value can be changed per segment of the line using a dialog entry. To help confirm the slope on a pipe, designers have asked to have a visual indication of the value of the slope. To satisfy this request, the software now shows the slope value as a tool tip that can be seen when you hover over a sloped pipe.

RI - 28162: User Shapes in P&ID View

PIDVIEW compares components in the P&ID and the 3D model and alerts the designer when components are missing or when properties do not match. This comparison tool greatly enhances the accuracy within a project to make sure the P&ID matches with the 3D model. To add to this functionality, CADWorx Plant 2019 SP1 has added one more component type, "User Shapes". From the PID VIEW utility, designers can now:

- ❖ See user shapes returned in the P&ID component unlinked tab when the item is missing from either the P&ID or the 3D model,
- ❖ Place the user shape into the 3D Model from the P&ID component unlinked tab,
- ❖ See the user shape on the "Linked" tab when it has been linked with the P&ID and see the properties that do and do not match,
- ❖ Update the properties in P&ID or 3D model so that they match,
- ❖ Filtering by user shapes on a component filter, and
- ❖ Report on user shapes.

DM - 28741: Error prompts when we save the model

The issue appeared when using the + grip on a component and the spec does not contain the necessary pipes and elbows to route with. The user would get an error when the model was saved.

DM - 28905: Insulation automatically added during C2PCF

Insulation was being automatically added to all piping, regardless if Insulation is attached. This has been fixed in 2019 SP1.

DM - 28987: Description for cross components in PRJ showing up incorrectly

The Long/ Short Description for cross components in PRJ was showing up as DESC_DBCODE_TBL. This has been addressed.

DM - 28653: Incorrect projection by 2DREP command in BricsCAD platform

It was observed that the graphics of the elbow elevation area does not convert in BricsCAD.

DM - 28654: ELEMENT command can only place Rigid Elements in the XY plane

ELEMENT command could only place Rigid Elements in the XY plane.

DM - 28655: Pipe Supports not keeping Position/Alignment

A Designer created a Pipe Support that was not keeping the Original Position and Alignment that it was created with.

DM - 28656: Tap Connection issue with socketweld Tee

When routing a tap connection on the socket weld region of socket weld tee and then moving the socket weld tee, the tap connection changed from its original position.

DM - 28657: ASSEMBLYVIEW components no preview

When using ASSEMBLYVIEW to insert assemblies on BricsCAD, the preview/ghost of the components to insert did not show. There was nothing visible, making it difficult to insert the component accurately.

DM - 28658: Default OTAP SKEY does not update with CONVERTFROMPRJDATA

When changing the default OTAP SKEY and then performing a "CONVERTFROMPRJDATA", the OTAP SKEY did not change.

DM - 28659: Transfer Data from PSL to PRJ breaks Inch Marks in BOMEXPORT

A customer-provided PRJ that had data transferred from a PSL showed inch (") units incorrectly. If a component (Pipe Support) from the PRJ was placed into the model, you will see that the Long Description shows Inch Marks ("). Then when the BOMEXPORT was completed on the Pipe Support, you will notice that the Inch Mark (") has been changed to (|).

DM - 28660: Dash in custom field name causes Pipe Spec Excel Export issues

When a pipe spec/catalog containing custom field name or ID with dash (-) in its name or ID property was exported to Excel, the export would not complete (missing components) and caused an Excel warning when opening the exported file.

What's Changed in CADWorx Structure 2019 SP1

RI - 23690: BricsCAD v19 Support

CADWorx Structure2019 SP1 takes advantage of the latest BricsCAD has to offer so that you can continue to be competitive in your market. Users are now able to run CADWorx Structure with BricsCAD v19.

DM - 28661: Structure menu string "Structure" in language translation causes crash

The English string for "Structure" for the ID_STEEL in the Structure_Alt.mnu file was used for registering, hence changing this string to something else was causing this crash.

DM - 28662: ID Count does not work

While reviewing CADWorx Structure 2019 with Live DB: -ID COUNT as a Tool Tip showed all members regardless of how many Members are in a Model as "0".

DM - 28663: Handrail Angle Connection cannot extend beyond member

The angle bracket connection for Handrails would not extend past the member it was attached to. It would model shorter than the member thickness and show an extended length but would not go beyond the bottom of the member.

DM - 28664: Footings place to Column Grid and not base plates

The footings were not placing below the base plate when the user would select "negative" for the placement direction of the base plate.

DM - 28665: CWx Structure crashes after move/copy the beam with opening

CADWorx Structure crashed after moving or copying a beam with opening.

DM - 28666: Opening a palette doesn't work

Users were unable to open a palette once it had already been opened.

DM - 28667: Incorrect order of Structure Menus for Chinese language selection

It was observed that the menu order for Chinese language was incorrect when Structure is installed on a Chinese OS.

DM - 28668: Handrail Post Connection Length Above Member Cannot be 0"

For a handrail post connection, the "Length Above Member" would not accept 0" as input.

DM - 28669: Handrails: Post to top rail cut not consistent

When the End Condition > Condition Top is Boolean the posts were cut on the top rail for some posts but not for others.

DM - 28679: Create grating with no banding explodes grating

When grating is added with Boundary and Secondary Banding boxes checked, the grating would explode into individual members when you turn off banding.

DM - 28680: BricsCAD crashes when modeling at an angle

Modeling a beam at an angle would cause a crash when the product was using BricsCAD.

DM - 28681: Secondary Framing issues

- ❖ The Secondary Framing was giving strange graphical issues when working in Solid/Conceptual or other Enhanced 3D visual styles.
- ❖ The Secondary Framing was following the color setting of the Library and not that of the setting in the palette.
- ❖ The Secondary Framing was not coping when you have more than one pair of beams selected

DM - 28996: Modifying Gusset Plate breaks association with Bracing

Modifying Gusset Plates would break the association/connection to Bracing, whether FRONT/CENTER/BACK Gusset placement option is used.

DM - 29006: Unable to create opening from XREF Object

When trying to create an opening in grating from an XREF containing an equipment, the opening was not created.

DM - 29007: Cannot place foundations with a positive base plate

A user could not place a foundation on a column when a base plate was been inserted in a positive direction.

DM - 29030: Post Trim Angle Option not working correctly on Stair

Changing the Railing > Connection > Post Trim to Angle on the handrails for stairs caused the angle connection to trim out the connecting part that should be displayed and showing the cut piece that should not be displayed

DM - 29031: Handrail: Changing Outside to Inside rotates top rail incorrectly.

When changing the Side Angle from Outside to Inside, the top rail rotated and did not reflect the correct position.

DM - 28924: Cannot save changes to Structure Drawing Template (xml)

When a drawing template was customized and Saved, the xml file save date shows that the file was saved, but when opened again, the changes were not saved.

What's Changed in Isogen for CADWorx 2019 SP1

CR - 28925: Filtering for -ISOGENBATCH

ISOGENBATCH now includes an option to filter the list given to the user. These options filter the line number using the same logic as the filter in the dialog box for ISOGENBATCH.

DM - 24379: Enclousre Gap with IGB Output

An extra line was being generated for the part number text. This meant that the leader line would not meet the position of the displayed text.

DM - 20679: Weld gap is added to Pipe Length in Isometric Cutting List

If there was a weld gap between OTAP and Pipe, the pipe cutting length was adding weld gap length to pipe length.

DM - 22226: Weld at Lapjoint not changed

A stub end/lap joint on piping marked as erection created a field weld automatically in Isogen.

DM - 22278: Revision Cloud Missing from Continuation

Some models would not revision components. This was an intermitant issue as the first sheet would properly show a revision cloud and the second sheet or continuation would not.

DM - 22281: Pipe Supports not included in Revision Cloud

Pipe Supports were not included in Revision clouds.

DM - 22330: Automatic Revision Cloud

When a revision number different to the rest of the pipeline is changed in a component, sometimes the cloud does not continue when reaching that component.

DM - 22350: Incorrect Dimensions

Some models were giving incorrect dimensions if Options Switch 40 is set to false.

DM - 22887: Strange Isogen Behavior

An Isogen Style and Model was producing some odd behavior, perhaps a memory leak. When the model was opened in CADWorx and run through Isogen using the Isogen style, some errors were encountered. The errors were not always with the same pipelines.

DM - 23485: Incorrect Dimensions

A model was producing Isometrics with dimensions that did not match.

DM - 25249: FontStyleName is not honoured in Dynamic fonts

FontStyleName was not honoured in Dynamic fonts. Setting the FontStyleName was not outputting the correct named text style.

DM - 25337: Unable to Export Isometric with 2 x tap points on Y component

User was unable to export an Isometric with 2 x tap points on Y component.

DM - 25633: Custom SKEYS Limit

When adding new symbols to an existing SKEY library, new SKEYs were not being recognized.

DM - 26184: Disconnected Olet Leaders

Olet Leaders in Isogen were not being connected.

DM - 26441: Tap not drawn from correct location on redefined basket strainer

On a redefined NC (misc comp redefined to be a basket strainer with a drain at the bottom of the basket using a single tap), the branch and tap were drawn within the actual fitting.

DM - 27050: DST not holding cange of Column Name

Update of Column to be the Description Name was not maintained when the DST was saved and re-opened.

DM - 27272: Modified arrow SKEY

Modified arrow SKEY could not be selected as a block on the drawing. They were too small for the user and had to be redefined in symbol editor to make them look bigger.