CSiPlant v10.1.0 Release Notes

Notice Date: 13-August-2026

This document lists changes made to CSiPlant since v10.0.0, released 28-February-2026. Items marked with an asterisk (*) in the first column are more significant.

Design – Piping

Enhancements Implemented

*	Ticket	Description
*	11998	An enhancement was made adding B31.8-2025 as an available design code. There are no key design differences between B31.8-2022 and B31.8-2025 implementation.

User Interface

Enhancements Implemented

*	Ticket	Description
	271	Generating result tables, exporting tables to Excel, and exporting support reactions to SAP2000 now display a dedicated progress window with a progress bar for each operation and a Cancel button that can be used to stop the operation. The window remains responsive even for large models, lists every item up front, shows individual progress bars for various operations that advance steadily, can optionally keep the current item in view, and closes automatically after a short delay once the operation finishes. During support reaction export, the windows are also layered correctly: the SAP2000 import log, export log, and progress window now appear on top of SAP2000, and the Export Support Reactions dialog closes as soon as you confirm your selection. The log window also opens noticeably faster, especially for large logs.
*	7263	Added a new support type, Spring Hanger Auto Select List, that allows users to define a subset of spring hanger properties for automatic sizing. When spring hanger sizing runs for a support assigned an auto select list, candidate properties are restricted to those included in the list. Note that spring hanger properties can still be directly assigned to support objects, in which case the optimal spring hanger is selected from among all the spring hangers defined in the model, which matches the original behavior.
	12187	Rotating the 3D view is now much easier to control when you are working in a specific area of a model. Previously, the Rotate 3D View command always orbited the model about its overall center, so after you panned or zoomed into a region of interest, rotating the view would swing that region out from under the cursor. The view now rotates about the point at the center of the view, so the area you are looking at stays in view as you orbit and the rotation follows wherever you have panned or zoomed. Two related issues were corrected at the same time: for models positioned far from the global origin, the initial view and the rotation pivot were offset from the model's true center, so the model could appear off-center and rotate about a point beside it — the view now centers correctly in these cases.

Database Tables

Incidents Resolved

*	Ticket	Description
	12211	An incident was resolved where an out-of-memory error could occur when exporting a large model's tables to Excel via File > Export All Tables > To Excel causing the export to cancel with no explanation or warning.

Design – Piping

Incidents Resolved

*	Ticket	Description
*	12162	Running a design request and then viewing the resulting demand/capacity (D/C) ratios could fail in several situations, preventing the ratios from being displayed. This Incident fixes those issues so that design results display reliably after a design run. Previously, if a primary code check (such as ASME B31.1) succeeded but a supplemental check like Flange Leakage returned a warning or incomplete result, the program could crash when saving and the primary D/C ratios would not be shown. The partial supplemental results are now retained along with their warning, and the primary results are left fully intact, so a warning on a supplemental check no longer discards the work that succeeded. D/C ratios also failed to display for some objects such as tees, where a branch can legitimately have results in one stress category but not another. Viewing the ratios in that case produced an error. Each object now displays its ratios whenever any of its sub-components has results, so a tee's main ratios appear even when a branch has none. This behavior is consistent across all supported design codes. These are robustness fixes in how results are handled, saved, and displayed. No computed design results are changed by this update.
*	12182	Resolved an issue where pressure and temperature load states were missing or incorrect for expansion joints in analysis results and design checks. Models containing expansion joints could previously fail to retrieve load state results for these objects, which caused the design checks to report that load state results could not be located and to skip the affected expansion joints, or in some situations could associate an expansion joint with load state values belonging to a different part of the model. Load states for expansion joints are now reported correctly throughout the program, including: - the Pipe Load States and Flexible Joint Load States result tables, - the combined force, stress, and displacement results used for result displays and exports, and - the preliminary analysis step of the design code checks. In addition, results requested for expansion joints when no analysis results are available are now handled more defensively, and no behavior change is required from the user — existing models benefit from the fix the next time results are displayed or design checks are run.

Graphics

Incidents Resolved

*	Ticket	Description
	12260	When displaying the deformed shape with a contour overlay, the contour legend now reports the correct unit for rotational components. Previously, when contouring by a rotational displacement component (RX, RY, or RZ), the legend scaled the values as if they were lengths and labeled them with a length unit rather than the rotational displacement unit (rad). This affected both the values shown in the contour legend and the conversion of any user-defined contour range limits, so the displayed numbers and unit label did not match the rotational quantity being plotted. The contour overlay now uses the appropriate unit for each component: translational components (UX, UY, UZ) continue to display in length units, while rotational components (RX, RY, RZ) are displayed in radians (rad).

Miscellaneous

Incidents Resolved

*	Ticket	Description
*	12146	The pipeline repair algorithm has been enhanced as follows: (1) Pipeline segments whose flow direction is opposite to that of their pipeline are now reversed so that their flow direction matches the flow direction of the pipeline. (2) A pipe is now inserted instead of a reducer when the end pipe property sets have matching outside diameters. This change enables pipeline repair to complete successfully in certain scenarios (such as when changing expansion joint or valve non-geometric properties, including weight) where it previously could not be completed and was aborted.

User Interface

Incidents Resolved

*	Ticket	Description
	12170	Fixed an issue where some buttons, drop-down lists, and labels could be missing or partly cut off in several dialogs when Windows display scaling was set to anything other than 100% (for example, the common 125% setting). The most visible case was the "Select Two Points on Model" button in the Mirror and Replicate dialogs, which did not appear at scaled display settings. The affected controls now display correctly at all display scales. Dialogs improved by this fix include Mirror, Replicate, Measurement Info, Define Link Properties, Display Options, Import Options, Assign Property Modifiers, Select by Support Connection, Select by Joint Restraints, and Define Hanger Releases.
	12259	An incident was resolved where the Auto Zoom Step value specified in Options > Graphics Settings was not applied when zooming with the mouse scroll wheel or the zoom one-step commands; zooming always used a fixed 10% increment. In addition, the settings in the Graphics Settings and Render Settings forms are now saved as user preferences that persist between sessions; previously these settings reverted to their default values each time a model was opened. Results were unaffected.