



Product Line: Plant Design and Analysis

Products: AutoPIPE, AutoPIPE Vessel

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Bentley to Advance Piping and Vessel Design with Expanded Global Design Code Coverage for AutoPIPE and AutoPIPE Vessel

Bentley Systems is pleased to announce additional design code updates for the CONNECT Edition applications of AutoPIPE and AutoPIPE Vessel. These design code updates will reduce the cost and time to produce compliant piping and vessel designs for any plant project. AutoPIPE and AutoPIPE Vessel provide comprehensive design code coverage, ensuring project compliance anywhere in the world.

Updates to the design codes for the CONNECT Editions of AutoPIPE and AutoPIPE Vessel include:

- ASME B31 J, a draft standard method to calculate stress intensification factors (i-factors) and flexibility factors (k-factors) for metallic piping components used in B31 piping analysis;
- GB 150 pressure vessel design code that uses calculations for material thicknesses with safety factors, hydrotest pressure, and weld joint efficiency;
- 2015 update for the ASME Boiler and Pressure Vessel code, the most popular pressure vessel design code in the world.

The addition of ASME B31 J to the CONNECT Edition of AutoPIPE will provide comprehensive design code coverage for users in the oil and gas industry, including those designing offshore structures. The updates to the CONNECT Edition of AutoPIPE Vessel will enable users to stay current with the latest global code updates and address requirements in the Chinese market.

“AutoPIPE brand products continue to broaden their reach with new design standards and codes for pipe and vessel design, but significantly, with the CONNECT Edition. The CONNECT Editions of both AutoPIPE and AutoPIPE Vessel offer users a new way to collaborate, produce better designs, and gain insight into their project performance. By signing in and creating CONNECTED Projects, users can now take advantage of many CONNECT Edition Cloud Services, including project performance reporting capabilities through the Project Portal and learning and sharing on the Personal Portal. Our AutoPIPE brands are also leading the charge towards development and adoption of new cloud services, including Project-based Configuration Settings management to allow global users to stay up to date with



changes to design specifications and Scenario Services to allow users to optimize the selection of pipe supports.," said Raoul Karp, Bentley vice president, Structural and Bridge Analysis.

"Bentley's AutoPIPE allows the user to efficiently and successfully model code-compliant piping systems in a fast paced engineering industry," said Christian Gomez, project engineer, Veizades & Associates Inc.

AutoPIPE allows users to save time and reduce errors when performing pipe stress analysis by offering a comprehensive set of design codes that EPCs have been relying on for more than 20 years. AutoPIPE Vessel offers comprehensive software for optimized pressure vessels, heat exchangers, air coolers or tank design, allowing engineers to deliver safer, faster, more cost-effective vessel designs. The newest design code additions further demonstrate Bentley's commitment to serving the industry's need to address the broad and ever-changing spectrum of compliance environments found across the globe.

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Caption: Global design codes in AutoPIPE Vessel, such as the Chinese GB 150 pressure vessel design code, allow users to quickly produce safer, more-cost effective designs.