

“Global Process Systems” Moves to 3D Design CADWorx Plant

Improves Consistency, Saves Time, Increases Client Satisfaction

Dubai, UAE – Today’s large, complex oil and gas processing facilities are challenges for even the most experienced engineers and designers. The size of several soccer fields and height of multi-story buildings, they contain thousands of interconnected pipes, vessels, joints and fittings. To streamline such a complex design process, the software selected for such projects must not only provide superior capabilities, performance and reliability, but must also perform the job easy, fast, accurate and with minimal learning required.

GPS (Global Process Systems), a leading engineering manufacturer of large oil and gas processing facilities, decided to meet this challenge with CADWorx Plant, an integrated process plant design software solution from COADE Engineering Software that provides powerful 3D design, drawing and modeling tools. By transitioning from 2D to 3D design using CADWorx, GPS has experienced a short learning curve, greater consistency and accuracy, more design versatility, and more satisfied clients who are impressed with the finished work.

GPS is currently using CADWorx on major FPSO & MOPU projects. Modules for the FPSO & MOPU projects weigh approximately 50 to 600 tons each and are complex in both structural and piping design. For these major projects, GPS has integrated the CADWorx Plant design software suite and its Isogen and NavisWorks tools with CAESAR II, COADE’s piping stress analysis software.

“CADWorx is a highly customizable program providing excellent model reality,” said Jim van Blommestein, Design Office Manager at GPS, “and our transition to 3D design was smooth and virtually seamless.” In describing the benefits of the CADWorx approach, he said the fast start up and speed of design were key advantages. “Probably the first thing I noticed about CADWorx was its ease of use,” he explained. “We could start laying out and routing pipe at the very beginning because it was so intuitive. With CADWorx, you can just install the CD and start

work.” Without using CADWorx, van Blommestein estimated that the time line would have been at least twice as long to complete or GPS would have required doubling the design and drafting staff.

“We started with just one CADWorx Plant demo software and, because it worked out so well, have expanded to 10 licenses,” van Blommestein continued, “so obviously we highly recommend this software for any engineering company serving the oil and gas industry.” In summarizing key advantages of using CADWorx for GPS, he mentioned its short learning curve, versatility, reasonable price, ease of customization, realistic modeling representation, and limited support staff requirements because of the software’s simplicity and built-in intelligence. They also were impressed with the dealer support from ImageGrafix who represents and supports COADE products in the region. “We have received excellent and knowledgeable support from ImageGrafix,” concluded Blommestein, “and probably the biggest benefit for us is that our clients are always impressed when viewing the completed work.”

GPS provides complete turnkey capability in all areas of process plant supply and is emerging as a leader in the engineering and manufacture of technology based packaged process plant for the oil processing industry. Strategically located in Dubai, UAE, Kuala Lumpur, Malaysia, Moscow, Russian Federation and Houston, USA with branch and affiliate corporate offices throughout Europe, Asia and Middle East, GPS supports the total process requirements for its clients.

COADE’s CADWorx suite for plant design takes advantage of the latest features in AutoCAD 2006 and offers intelligent drawing-to-database connectivity, advanced levels of automation and easy-to-use design techniques. The software has been rapidly adopted by EPC firms and owner operators in the process, power, offshore, pulp and paper, shipbuilding, water treatment, and the hygienic industries such as food, pharmaceutical, biotechnology and semiconductor sectors. CADWorx leads the industry by offering bi-directional integration between CAD and stress analysis software.

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