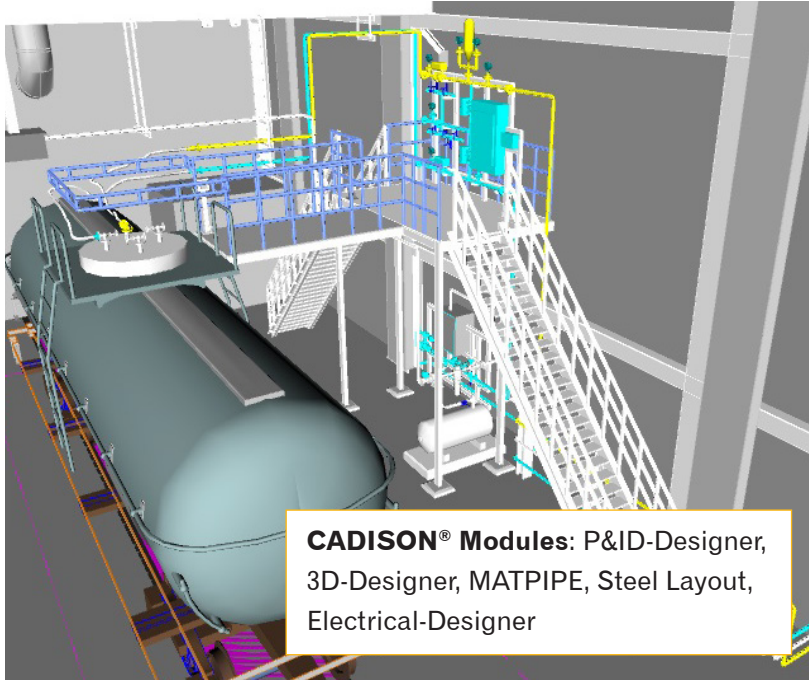




Automatic Change Management and Clash Detection in an integrated project saved huge efforts and time for KGI - Houston, USA

Kalluri Group Inc. (KGI) provides planning, engineering, project management, construction management and regulatory services to a wide variety of public, private and industrial clients for water treatment plants.



CADISON® Modules: P&ID-Designer, 3D-Designer, MATPIPE, Steel Layout, Electrical-Designer

Project: Revamping the Chlorine disinfection system of municipal water treatment plant. Chlorine is the most widely used disinfectant in water and wastewater treatment plants. Chlorine unloading system is used in for offloading chlorine from railcars and use it in the disinfection process. This chlorine unloading module/skid was done in CADISON® using P&ID, 3D, Electrical and steel layout modules.

This project included creation of P&ID drawing and 3D Piping and modeling of Skid, equipment's, instrumentation, steel structures and air ducting. An integrated CADISON® solution provided an added advantage to model the entire skid in one system. Any changes in one particular area were automatically updated across the system.

All auxiliary objects (like static Rail Car 3D model, Building, etc.) were imported in CADISON® and intelligent objects (for e.g. manway) were added to connect it with chlorine disinfection skid (for unloading). Entire system was checked for clash detection through CADISON®-Navisworks interface.

“With CADISON® MATPIPE, we could customize the catalogs and specifications easily. 3D Model from other system (DGN format) was easily imported in CADISON® environment for clash detection. The visualization of the entire unloading system (with other auxiliary units) made it easier for understanding the operation.”

- Ramesh Kalluri
CEO, Kalluri Group Inc., USA

