

Custom Engineered Modular Equipment

Our Capabilities

AmeriChem Systems, Inc. (ASI) is an ISO 9001:2008 certified manufacturer of custom engineered modular equipment backed by 25 years of sustained excellence. We will work with your engineers to develop a Piping and Instrumentation Diagram (P&ID) for a custom process or modify an existing one. With decades of industrial equipment experience, we are able to offer cost effective solutions in all manufacturing disciplines. These include state of the art electronics for communications or HMI controls to decrease the cost of installation and operation. Additionally, we can design a self-contained module or completely integrate multiple modules into a larger process from the initial P&ID through to the final equipment functional testing for a variety of industrial applications.

Single Source Responsibility

- Factory Functional Testing
- Interactive safety program
- Comprehensive Quality Control program
- Accurate and predetermined equipment costs
- Reduced on-site engineering / troubleshooting
- Simplified field installations—inlet / outlet process connections and single point electrical connection

Mechanical Fabrication & Welding

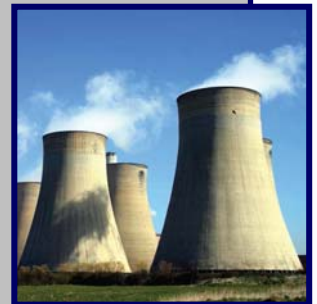
- Pipe welding in accordance with ASME® Section IX
- Structural welding in accordance with AWS® D1.1 & D1.6
- Metallic and non-metallic process piping in accordance with ASME® B31.3
- Equipment is fabricated in-house utilizing corrosion resistant materials of construction including, but not limited to: 304 & 316 Stainless Steel, Alloy 20, Alloy C276, PVC, CPVC, PVDF, and FRP

Electrical Design & Fabrication

- UL® & CSA® labeling of control panels is available upon request
- All panels are designed, fabricated, and tested to the latest UL®, NEC® & NFPA® standards
- Electrical Schematics are provided as standard on all modular designed systems with control or junction panels
- Electrical software, panel layout drawings and bill of material lists created utilizing the latest version of AutoCAD® Electrical
- Ability to provide complete control systems, local programmable logic controllers, programmable automation controllers and HMI developments

Engineering Capabilities

- Define the project scope through the use of P&ID's
- Select and size all process components—mechanical and electrical
- Generate electrical software, panel layout drawing schematics and bills of material
- Complete as-built equipment and drawing manuals provided as standard final documentation
- Comprehensive Quality Control functional and acceptance testing that meets or exceeds customer specifications
- Complete 3D mechanical layout drawings using Autodesk Inventor® are provided as standard customer approval package



1740 Molitor Rd. Aurora, IL 60505 (630) 495-9300

www.americhemsystems.com