

MGNewell

We Make It Work Better.

Life Sciences Skids and Capabilities



*Providing hygienic processing equipment and customized services
Since 1885*

www.mgnewell.com

www.newellautomation.com



We Make It Work Better.

M.G. Newell is a **full-service provider of hygienic solutions** for the bio-tech, pharmaceutical and other sanitary processing industries. We partner with customers to design and fabricate cost-effective, customized systems to fit their requirements. Our goal is to provide a solid experience; streamlining your project utilizing our engineering, design, fabrication, automation and installation capabilities.

Our customers represent the world's largest manufacturers of parenteral and solid dose pharmaceuticals, personal care products, OTC medicines, testing kits, and more. To help them meet consumer expectations, we strive to support their goals of hygienic processing from start to finish.

Functional safety and reliability are not theoretical product advantages – we know they are essential properties in life sciences applications. Therefore, our engineers build sanitary design into every system, from pump carts to WFI loops to valve clusters to process filtration systems to new greenfield installations.

Our **Newell Automation** controls team will identify the appropriate instrument and control functionality for your process. With automation hardware, software controls, control panel design and fabrication, we provide turnkey solutions for CIP, batching, blending and other processes.

Greensboro Division/Corporate

336-393-0100

Louisville Division

502-459-7475

Nashville Division

615-822-3030

sales@mgnewell.com





Optional designs are available to meet NEMA-4 and/or explosion-proof environments.

Our systems meet and often exceed compliance to FDA and ASME BPE standards.



Skidded systems offer faster time to market, higher quality fabrication and provide flexible, efficient use of space.

Process filtration skids

Ingredient distribution skids

Viral inactivation skids

Media and buffer systems

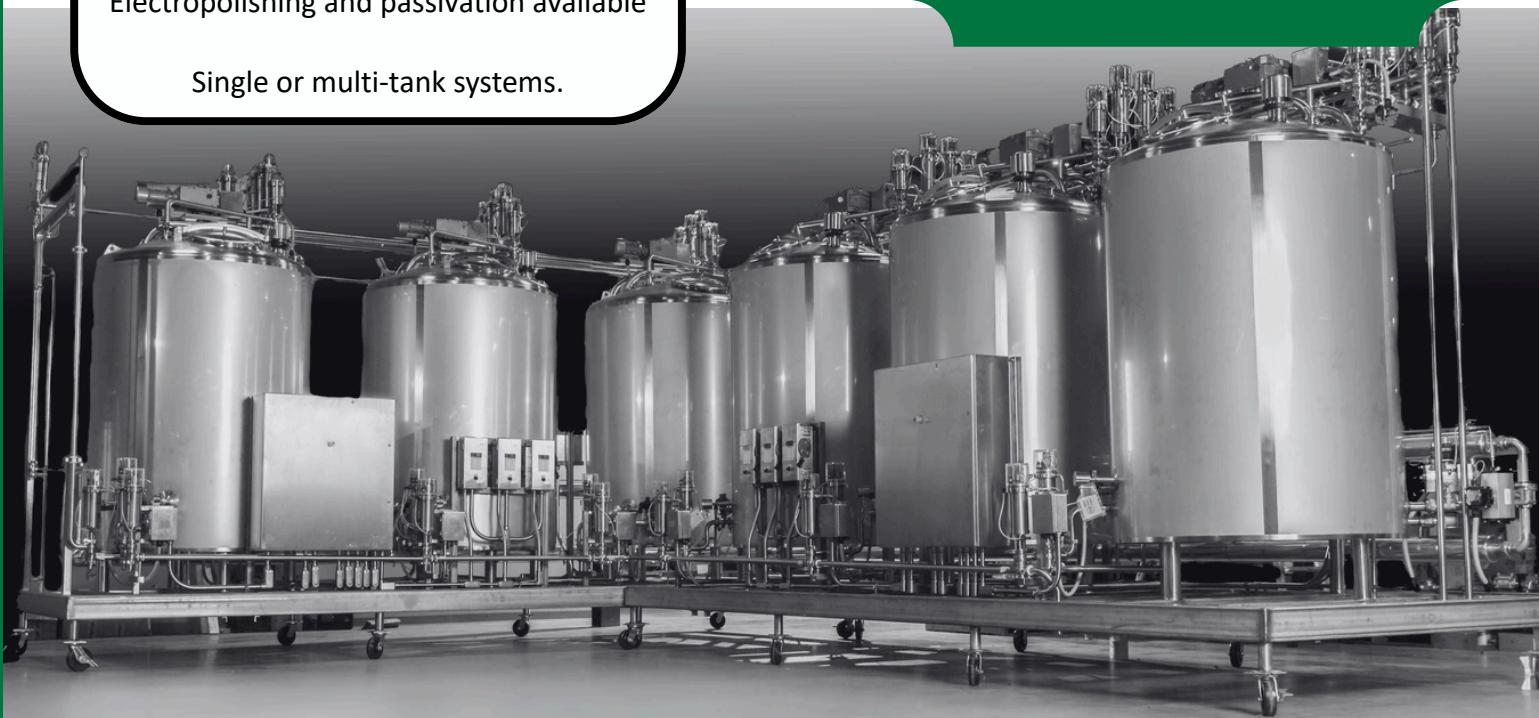
Tanks and vessels are configured to meet ASME BPE design and construction.



- Single-wall or jacketed tank designs
- Fully customizable layouts
- Various agitation options available
- Electropolishing and passivation available
- Single or multi-tank systems.



- CIP/COP skids**
- Acid and caustic distribution skids**
- USP WFI & PW distribution skids**
- Fermenters**
- Aseptic systems**
- Ultrafiltration (UF) skids**
- Buffer prep & distribution**

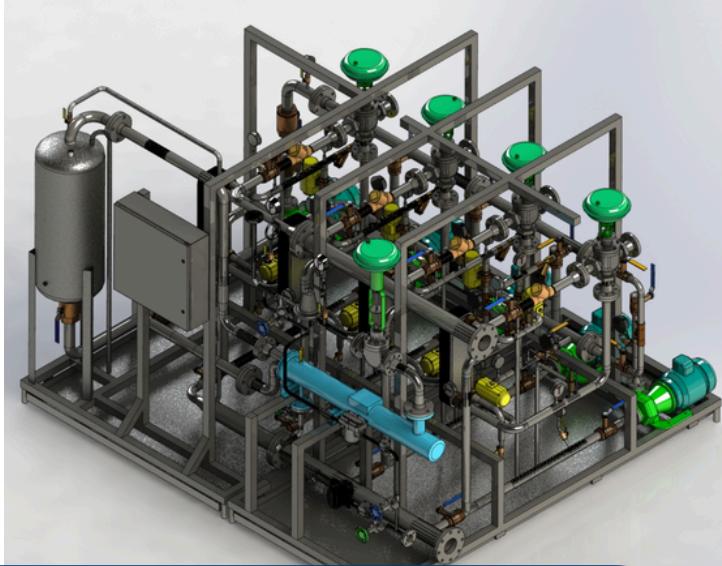
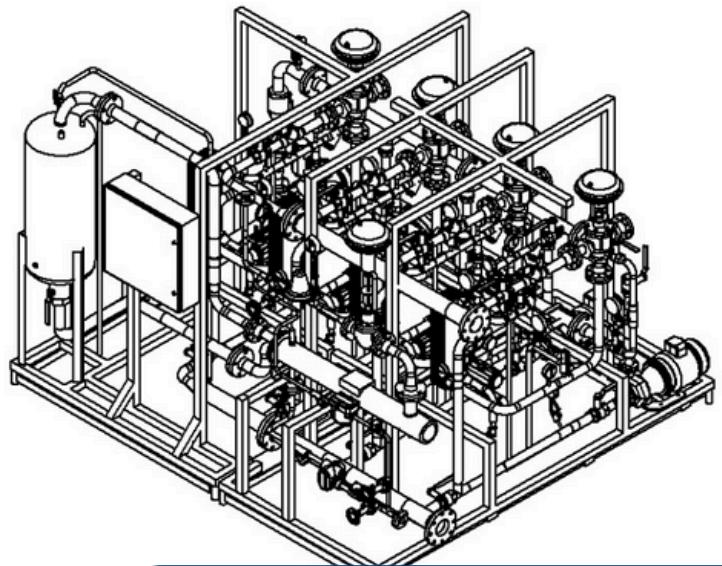




Fabrication of clean room quality stainless steel platforms, floor grating, stairs and handrails.

**Non-slip flooring and grates
Stair treads and covers
Ladder rungs and covers**





Our engineers incorporate user-friendly design into every system—all while meeting your budget.

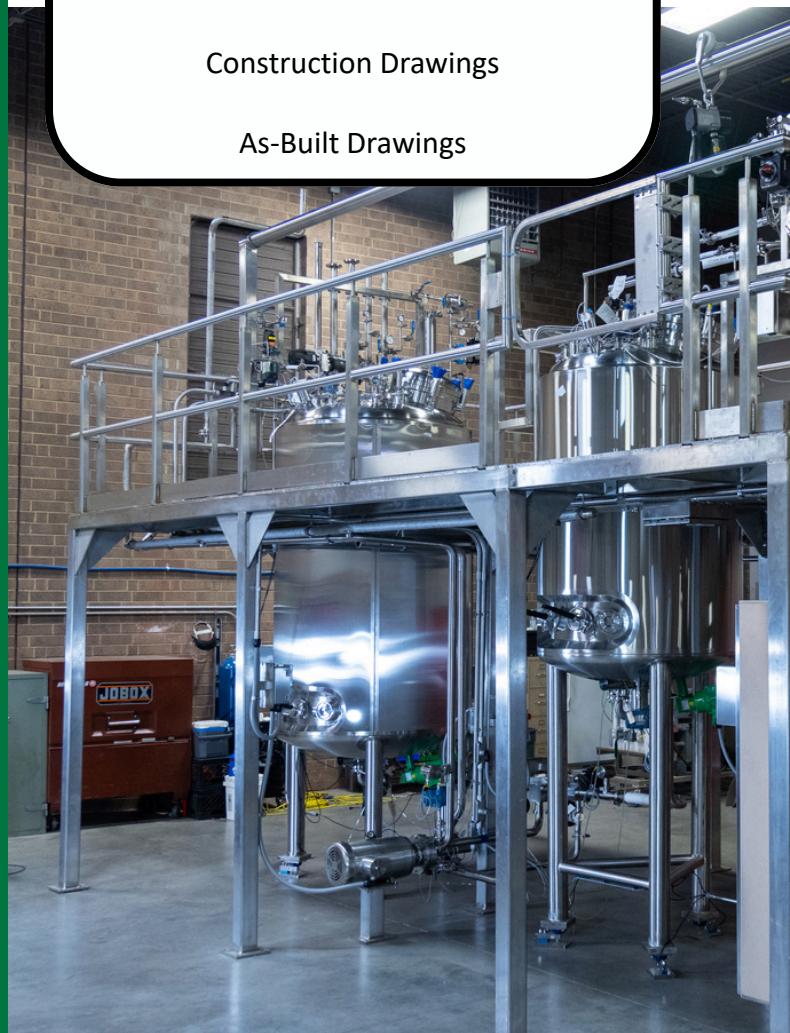
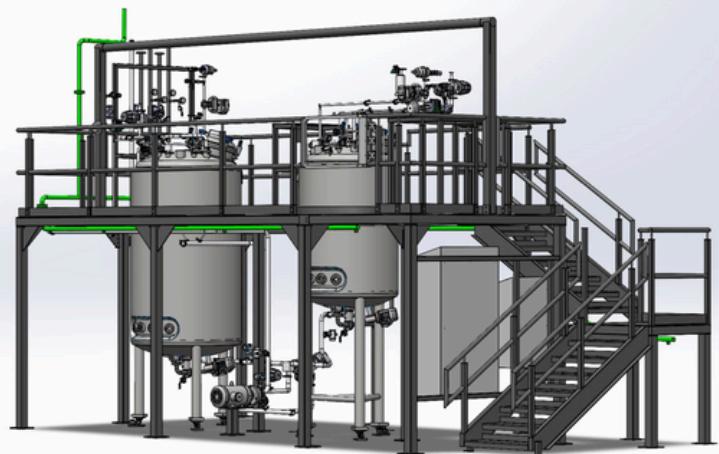
General Arrangement Drawings

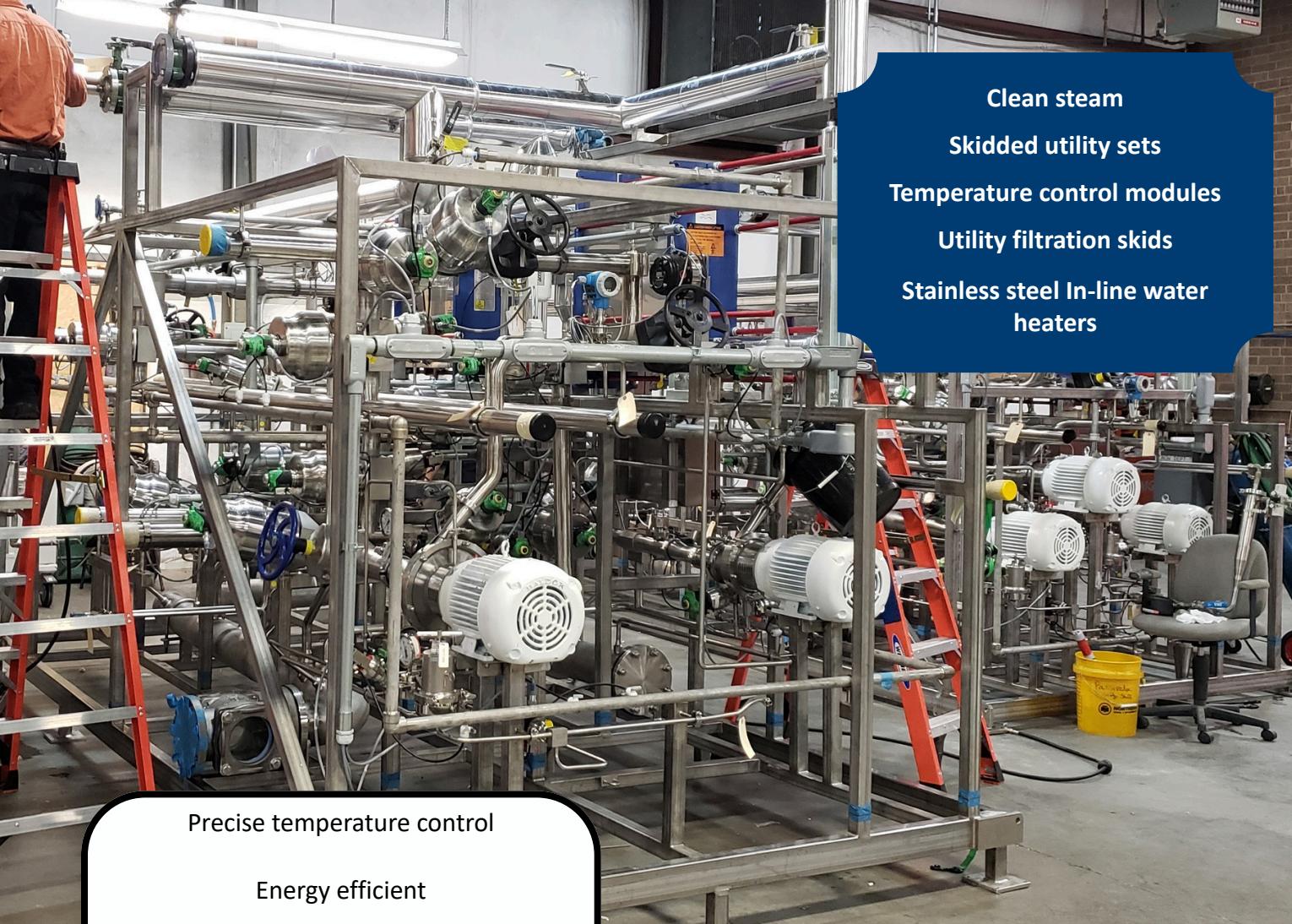
Piping & Instrumentation Diagrams

3D Solid Works Modeling/Drawings

Construction Drawings

As-Built Drawings





Precise temperature control

Energy efficient

Batch and continuous processing

Process monitoring and control



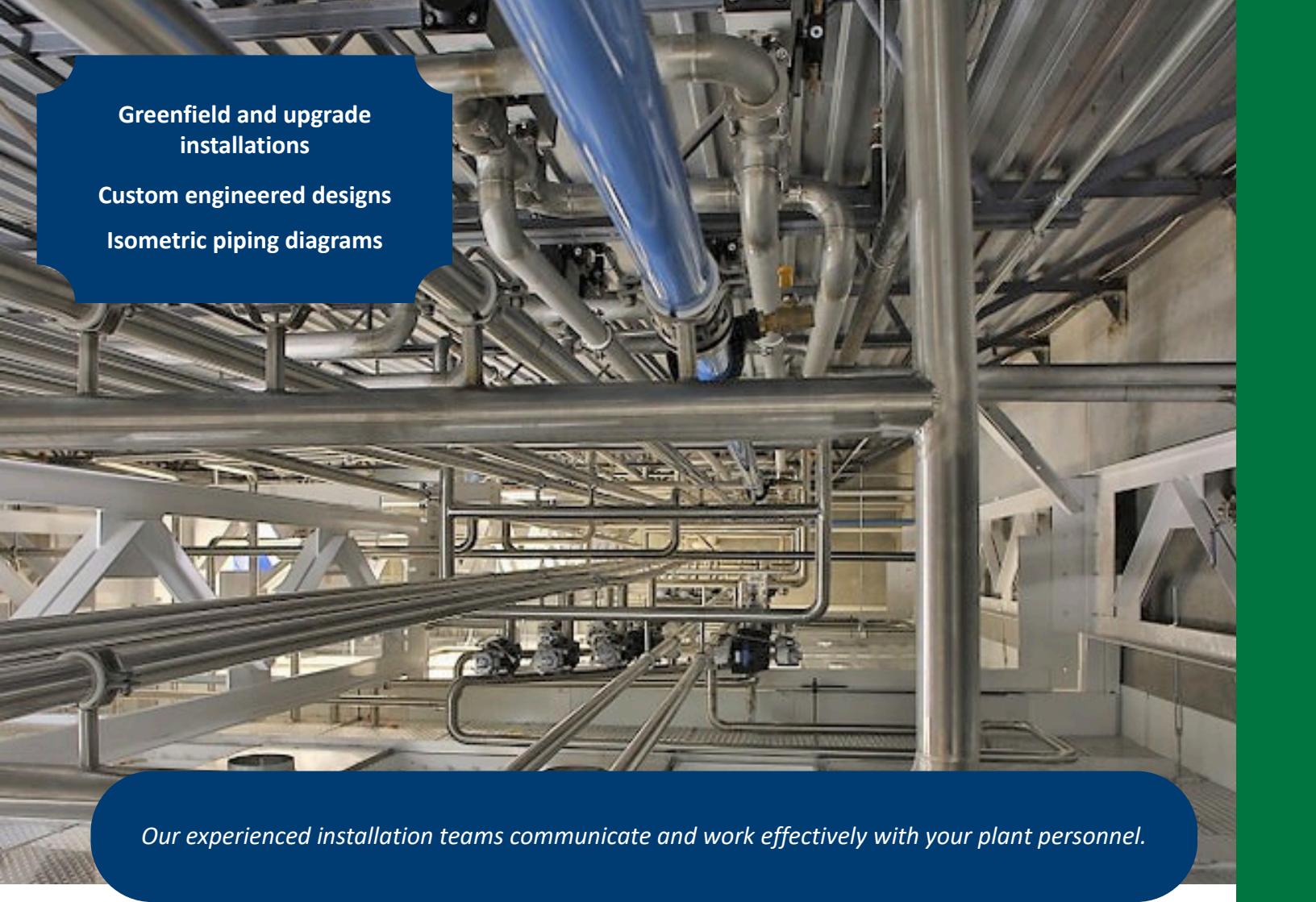


Valve clusters

Liquid degassing and gassing systems

CO₂ and O₂ measurement





Greenfield and upgrade installations

Custom engineered designs

Isometric piping diagrams

Our experienced installation teams communicate and work effectively with your plant personnel.



Material Test Reports

Electropolish certificates

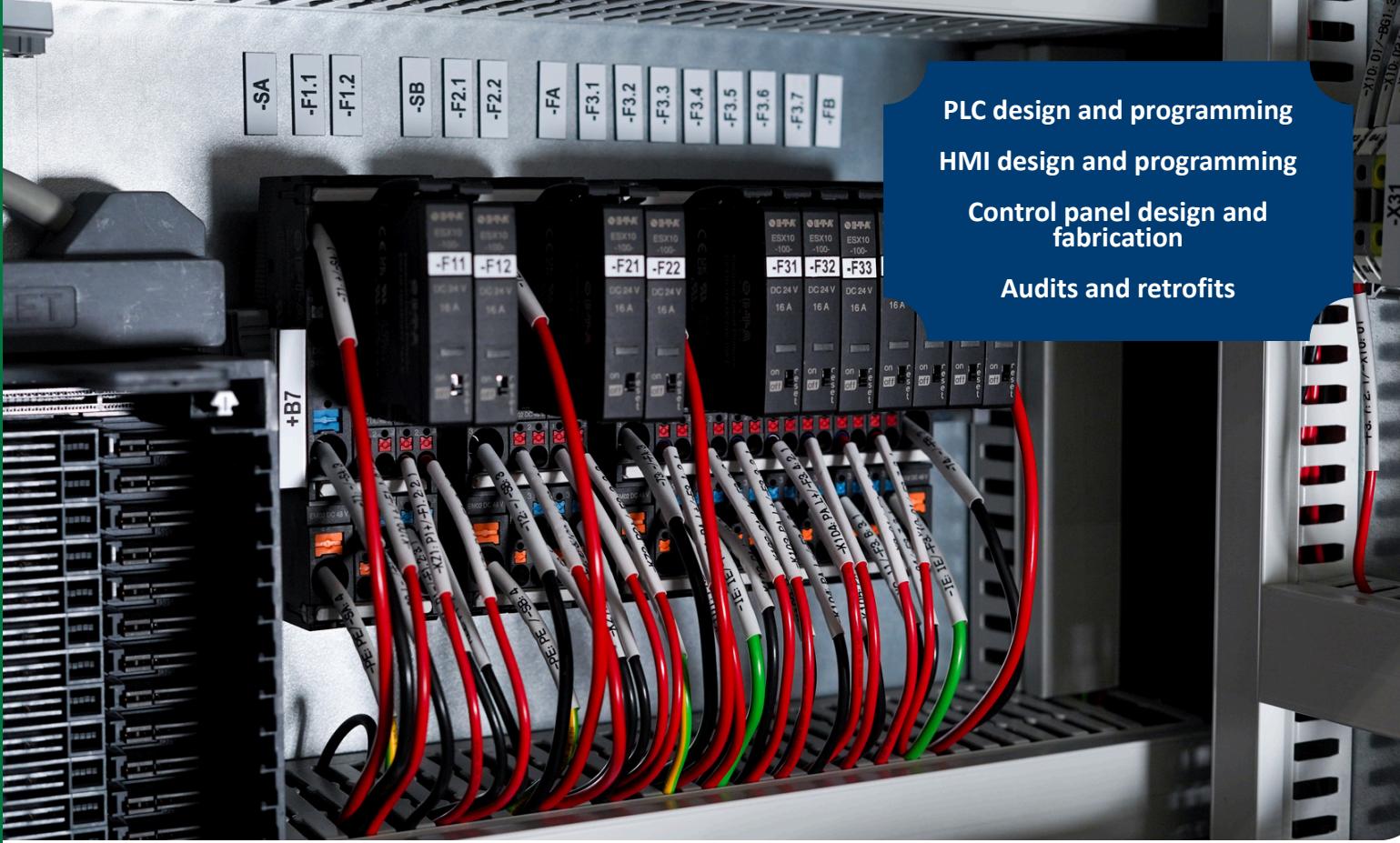
Weld log/data Sheets

Weld mapping

Digital weld video reports

Piping and Instrumentation Drawings





PLC design and programming

HMI design and programming

Control panel design and fabrication

Audits and retrofits

Delta V control panels

UL-508A Certified Panel Shop

Panels meet NFPA, NEC and UL-508 regulations

NEMA 4x and explosion proof panels optional

Factory and Site Acceptance testing
SCADA systems

Rockwell Automation Recognized System
Integrator



SILVER
System Integrator

A ROCKWELL AUTOMATION PARTNER

Working along with our process engineers, our controls team can identify the appropriate instrumentation and control functionality for your process.



Hardware and software specification

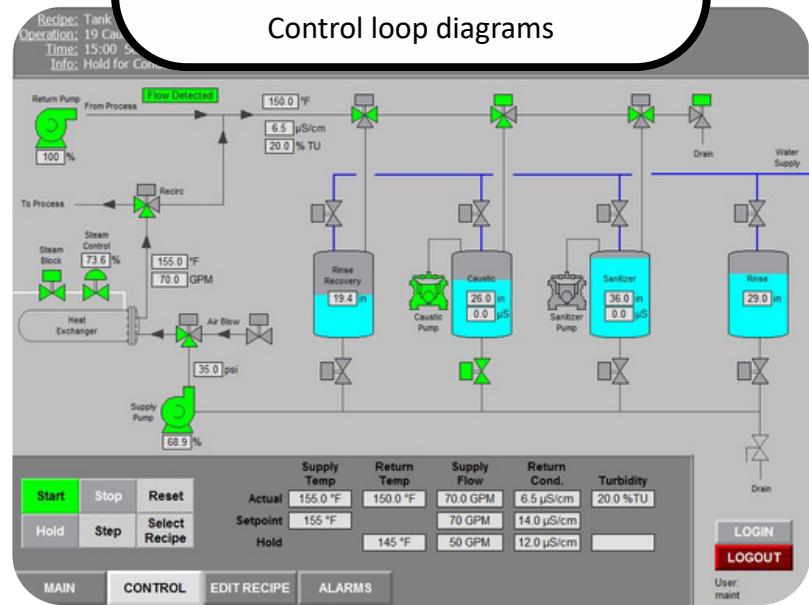
Program development

Support and training

Instrument wiring schematic

Network architecture diagrams

Control loop diagrams



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