



Custom Skid-Mounted Chemical Injection Systems

for Power, Petrochemical & Industrial Applications



Specializing in

Cycle Chemistry • Cooling Water • Process Applications

Chlorination Systems • Ammonia Storage Systems • Wet Dust Suppression Systems



GCS MISSION

Meeting customer requirements by providing the best possible product, safely, on time, and in budget, including comprehensive documentation and quality assurance. GCS encourages customer input, feedback and participation. This collaboration allows GCS to better meet client needs and improve products and services.

INDUSTRIES SERVED

Electric Generating Plants

- Gas Fired
- Coal Fired
- Oil Fired
- IGCC
- Nuclear
- Biomass

Industrial Applications

- Hydrocarbon / Petrochemical
- Paper Mills
- Chemical Plants
- Steel Manufacturing
- Cement Plants
- Heavy Industry

TYPICAL SYSTEMS

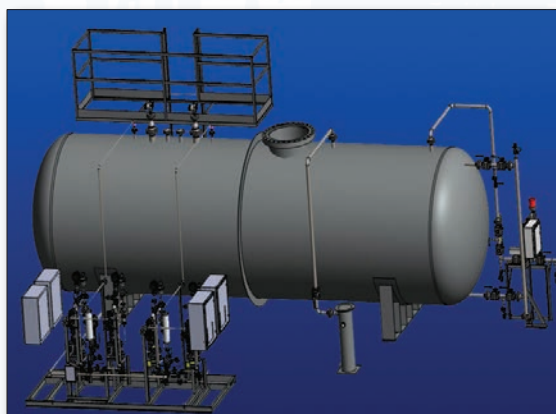
Global Chem-feed Solutions (GCS) fabricates custom skid mounted chemical dosing systems and wet dust suppression systems including:

- Aqueous Ammonia Storage & Injection Systems
- Chemical Feed Systems for Cycle Chemistry and Cooling Water Applications
- Bulk Tanks & Unloading Stations
- Custom Shelter Enclosures
- Waste Water Additive Systems
- Coal Combustion Residual (CCR) / Effluent Limitation Guidelines (ELG) compliance
- Chlorination Systems
- Cooling Water Analytical Panels
- Polymer Feed Systems
- Explosion proof Systems

Skid mounted systems typically include; dosing pumps, mix tanks, agitators and local control panels, complete with all piping and wiring. Skids are engineered, fabricated, tested and documented to comply with applicable U.S. and International industry codes and standards.



Skid-mounted Chemical Injection Systems



SolidWorks 3D Drafting Capability



Explosion Proof Systems

ENGINEERING SERVICES & DOCUMENTATION

The GCS Engineering department utilizes the customer's detailed engineering specifications to fabricate custom systems ranging from manual control feed systems to PLC, touch screen/HMI control applications.

GCS can provide technical and commercial options for cost effective solutions to difficult applications, providing the customer with the best equipment solution for each application.

Typical product engineering and fabrication services offered by GCS:

- P&ID Drawings
- Project Scheduling
- General Arrangement Drawings
- Electrical Schematic Drawings
- Detailed System Bill of Materials
- Electrical Load Lists
- Process Logic Drawings
- Utility Consumption Lists
- Civil Engineering Support
- System Data Books
- ISA Instrument Lists
- Inspection & Test Plans
- Witnessed Factory Acceptance Testing (FAT)
- Testing to Applicable Codes & Standards
- Welding Procedures & Welder Qualifications
- Subvendor Certificates of Compliance
- Material Certifications
- NDE Weld Testing
- X-Ray
- Positive Material Identification (PMI)
- Operations & Maintenance Manuals
- On-Site System Start-Up & Support
- On-Site Operator/Maintenance Training
- Language Translation Services

GCS utilizes SolidWorks Design and Autocad 2013.

GCS EXPERIENCE

GCS is a family owned business who's principals have each worked in the chem-feed and water treatment industries for more than 25 years.

With a seasoned team of skilled engineers, project managers, code certified welders and fabricators – GCS has achieved uninterrupted growth since the company founding in 2005.

GCS managers have many years experiences in the respective areas of :

- Engineering
- Project Management
- Custom Fabrication
- Quality Assurance
- Testing
- Engineering Documentation Review
- Preparation of Operations / Maintenance Manuals
- Field Surveys and Operating Personnel Training

GCS Quality Assurance Program is ISO 9001:2008 compliant and is being upgraded to ISO 9001:2015. The GCS Q/A program has been audited by major engineering firms and customers.



Fully Customizable Shelter Enclosures



Bulk Storage Tanks



PLC with touch screen HMI

FABRICATION CAPABILITIES

STANDARD EQUIPMENT

Diaphragm Metering
Turbine & Centrifugal
Peristaltic & Gear Pumps
AOD Pumps

Single & Three Phase
575 / 460 / 415 / 380 / 220 / 120V
General Purpose TENV / TEFC

Carbon Steel
304/316 Stainless Steel
Polyethylene / Polypropylene
Fiberglass / FRP

Painted Carbon Steel
NEMA 12 / 7 / 9 / 4
Variable Frequency Drives
Motor Starters & Timing Functions
Rigid Galvanized Water Tight Conduit

Carbon Steel
Stainless Steel
PVC / CPVC
NPT / Socketweld / Flanged / Butt weld

Pump Types

Motors

Tanks

Control Panels

Piping & Piping Materials

OPTIONS

Electric Stroke
Variable Frequency Drive
Multi-stage / Progressive Cavity

Explosion Proof
Mill & Chemical Duty

Internal Linings
Mixing Troughs
Nexus Veils and Custom Construction
Ladders and Platforms

304SS & 316SS Enclosures
FRP Polycarbonate
Cast Aluminum w/ Epoxy Coating
PLC & Touch Screen HMI
Form 7 & Explosion Proof Conduit

304SS / 316SS
Alloy 20 / Hastelloy C / Monel
Kynar
Fusion weld

GCS is a custom manufacturer and utilizes the customer's Approved Vendor List for all components.

for more information and a complete photo gallery, please visit

www.globalchem-feed.com



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