



- pH Adjustment
- Chemical Dispense
- Heavy Metal & Fluoride Removal
- Pump Lift Stations
- Process Chilled Water
- Chemical Collection Cabinets
- Solvent Collection Cabinets
- Waste Concentration
- Custom Process Skids

INDUSTRIAL WASTEWATER SYSTEMS



“We did not invent wastewater treatment, we perfected it.”



PACKAGED SOLUTIONS FOR WASTEWATER TREATMENT



Wastech Controls & Engineering, Inc. is the industry leader in the new manufacturing category of process integrators. We have been designing and building Process Equipment and Automation Systems since 1987. We moved into our expanded Chatsworth facility in mid-2004.

Our engineering background is industrial liquid processes, plumbing, integration and automation of a wide selection of liquid handling components, sensors, transmitters, industrial PLC's and related software. We specialize in packaged wastewater treatment systems, automatic chemical mixing skids, custom automation machinery, separation technology equipment, lift stations, and custom control panels.

We also offer custom design and engineering of state-of-the-art turnkey systems in the areas of fluid / chemical handling and process automation. Whether your project is large or small, we have the knowledge and capabilities to engineer efficient and cost-effective custom systems to meet your requirements. We are experts in project management to deliver quality systems on time and on budget.

Why Wastech?

- ISO 9001-certified, with a continuing commitment to quality management in engineering, customer service, manufacturing and post-sale support.
- UL 508A & 698A panel shop using only UL-listed components.
- CSIA - certified control system integrator since 2004.
- Experienced fabricator familiar with welding and piping fabrication of Stainless Steel and all thermoplastics including PVC, CPVC, Polypropylene, PVDF and PFA.
- Fully staffed engineering department with chemical, mechanical, electrical and controls engineers to provide design and support for any industrial process or wastewater application.
- Allen Bradley/Rockwell Automation Solution Provider, with a proven track record and numerous satisfied clients worldwide.
- Engineer-managed field service support. Engineers are available for startup and commissioning, installation supervision, operator training, and emergency service calls. Monthly service contracts are also available.
- Client-oriented company where service is job number one. Large enough to design, build and deliver sophisticated process, wastewater and control systems, yet small enough to maintain a personal touch.





LABORATORY PH ADJUSTMENT SYSTEMS

INDUSTRIAL PH ADJUSTMENT SYSTEMS

The LabDELTA® is a fully automated small-volume waste treatment system for laboratory use. It is supplied in two configurations: The LabDELTA® Plus is a continuous system designed for a flowrate up to 3 gpm. The LabDELTA® Batch is a batch system designed to process 20 gal/hr of industrial waste. These systems perform pH neutralization in a safe manner without risk to lab personnel.

The ProDELTA™ is a skid-mounted pH adjustment system designed for neutralizing industrial flows of process wastewater. Available in continuous or batch configurations; ProDELTA™ systems use one or two active treatment stages along with effluent pH monitoring to ensure that the wastewater will be neutralized to the required discharge pH before entering the public sewer line.



PUMP LIFT STATIONS

PROCESS CHILLED WATER SKIDS

Pump Lift Stations are used to transfer industrial liquids such as chemicals, wastewater, rinse or wash-water, or process liquids that need to be treated before discharging into a sewer. Wastech lift stations are available for standard water-based waste or for solvent (hydrocarbon-based) waste. Each lift station is supplied with a remote control panel.

Wastech Process Chilled Water systems are fully-integrated, skid-mounted packages that include pumps, filters, heat exchangers & controls on single or multiple skids. Available in flowrates up to several thousand gpm. Piping can be either stainless steel or thermoplastics including PVC, CPVC or PVDF.



WASTE CONCENTRATION SYSTEMS

Vacuum distillation evaporators accelerate the evaporation process and separate water from salts and liquids at lower boiling points without any filtration media or membranes. The result is a low conductivity, DI-quality distillate that can be recirculated back through your process. The equipment of choice for any plant that desires a true Zero Liquid Discharge (ZLD) process solution.

HEAVY METAL & FLUORIDE REMOVAL SYSTEMS

Heavy Metal and Fluoride Removal systems are compact, skid-mounted treatment systems designed for removing dissolved metals and fluoride from process wastewater. These systems automatically precipitate and filter fluoride and dissolved metals before discharging the treated wastewater to the sewer. Removed material is filtered into a dry cake for land disposal.



CHEMICAL COLLECTION CABINETS

Wastech is a leading supplier of Chemical Collection Cabinets used in industrial processes and laboratory applications. Our standard Chemical Collection Cabinets are designed for safely and efficiently collecting and storing chemicals and other non-flammable hazardous liquids.

SOLVENT COLLECTION CABINETS

Solvent Collection Cabinets safely store hydrocarbon (solvent) waste. Industrial grade design, Class 1, Div 1 rated for explosive environments and compliant with NFPA Code 30 requirements. All systems are monitored by a central control panel. Dual systems feature automatic drum switching when one drum is full and are guarded with double containment for spill control.

CUSTOM SOLUTIONS FOR WASTEWATER TREATMENT

In addition to a wide selection of packaged wastewater treatment solutions, Wastech Controls and Engineering offers custom design and engineering of state-of-the-art turnkey systems in the areas of fluid/chemical handling and process automation.

On your very first phone call, one of Wastech's experienced Application Engineers will discuss the nature of your process with you at length until an initial assessment followed by an economical solution can be suggested and a quote will be generated. Once the purchase order is received, our fully-staffed in-house Engineering Department will go to work. An experienced Project Manager is assigned to your project, the Project Quality Plan (PQP) is initiated and a Kickoff Meeting is scheduled.

From there, our engineering team will complete the engineering package with process, mechanical, and electrical drawings for your approval prior to fabrication. A Factory Acceptance Test (FAT) or On-site Performance Acceptance Test will be developed and sent with the drawings for your review and approval.

Upon delivery, Wastech will provide you with a comprehensive O & M Manual and walk you through system startup every step of the way, providing world-class customer service through the entire order process.



50 GPM Custom Acid Neutralization System

25 GPM Concentrated Sulfuric Acid Neutralization System



Safe, accurate, effective.

Wastech process and automation systems ensure compliance each and every time, allowing you the peace of mind to enjoy the resources you're protecting.



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