



# Gulf Coast Environmental **Systems**



clean thinking™

## Global Provider

Air, water, and soil - Gulf Coast Environmental Systems (GCES) is a proven leader in the environmental systems industry, specializing in custom engineering, design, manufacturing, installation, and servicing of pollution control and thermal processing systems.

**AIR-** GCES provides a full range of air pollution control and solvent recovery systems, customized to match the right process application to the right equipment.

**WATER-** GCES provides an entire line of processing equipment, offering treatment or oxidation packages designed to treat organic water projects, including wastewater and groundwater remediation.

**SOIL-** GCES designs and manufactures a variety of soil remediation equipment that utilize oxidation, scrubbing, or adsorption.

Pollution control can be an expensive undertaking, and it can often take years to recuperate costs. GCES maximizes every reasonable effort to provide beneficial use Waste Heat Recovery equipment (WHR) equipment with the supply of all high temperature Air Pollution Control equipment devices. By implementing Waste Heat Recovery options, a facility can greatly reduce operating costs, and increase efficiencies. In addition to heat recovery, GCES has expertise in methane to Renewable Natural Gas conversion projects. This technology allows facilities to create a tangible and highly sought-after fuel source that can be sold to major energy suppliers around the globe.

GCES provides turnkey cutting-edge solutions in some of the most challenging environments around the globe. Our unique approach is to analyze your process stream and business objectives, from which we propose an ideal solution or range of options to help achieve and optimize those objectives.



## Product Lines:

- **Oxidizers**
  - Recuperative
  - Regenerative
  - Catalytic
  - Direct Fired
  - Mobile
  - Aqueous
  - VAM RTO
- **Enclosed Combustors**
  - Vapor Combustor Unit
  - Vapor Destruction Unit
- **Rotor Concentrators**
- **Scrubber Systems**
  - Wet
  - Dry
  - Ammonia
  - Venturi
- **Quench Systems**
- **Fluidized Bed Concentrators**
- **Carbon Adsorbers and Desorbers**
- **Regenerative Carbon Adsorber**
- **Selective Catalytic Reduction**
- **Dust and Particulate Control**
- **Baghouses**
- **Incinerators**
- **Furnaces**
- **Ovens**





## Service and Support

We manage all aspects of your solution: engineering, procurement, manufacturing, testing, installation, commissioning, service, and support for the lifetime of the equipment.

## Engineering & Consulting

- System & equipment design
- Process design
- Operations engineering
- Compliance consulting
- Waste heat recovery planning
- System engineering

## Maintenance, Upgrades & Plant Services

- 24/7 emergency services
- Installation, commissioning, start-up
- Maintenance plans
- Service contracts
- Combustion system optimization
- System operational cost analysis
- Preventative Maintenance Eval. (PME)
- Training
- Media change-out & washout
- Insulation repairs
- Refractory replacement & repair
- System relocation
- Capacity expansion
- Retrofitting



# Typical Industries & Applications


- Adhesives
- Aerospace
- Automotive
- Chemical filling & processing
- Coatings
- Ethanol
- Fiberglass manufacturing
- Film coating
- Food storage & processing
- Laminates
- Metal finishing
- Mining
- Natural gas, LNG, RNG
- Oil & gas
- Petrochemical
- Pharmaceuticals
- Plastics
- Printing
- Power
- Pulp & Paper
- Refinery processing
- Rendering
- Semiconductor manufacturing
- Soil remediation
- Tank ventilation
- Tape coatings
- Wastewater treatment
- ... and many more

“For the environment, and the economy, we are inspired to develop innovative solutions, to better the lives of our employees, customers, and communities.”



**Gulf Coast Environmental Systems**

1689 Hawthorne Dr., Conroe, TX 77301






**Gulf Coast Environmental Systems**




## YOUR POLLUTION CONTROL PARTNER

By the numbers




### ABATEMENT EXPERTISE

 <p>Dozens of published papers on pollution control best practices</p>	 <p>Over 30 industries supported with custom pollution abatement solutions</p>	 <p>3 patents and trademarks representing best practices, advances in technologies &amp; manufacturing material improvements.</p>
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### THE ENGINEERING TEAM

 <p>5 to 1 engineers to sales staff showcase the GCES dedication to innovation in pollution abatement and manufacturing solutions</p>	 <p>Engineering expertise: • Chemical • Electrical • Environmental • Civil • Mechanical • Industrial</p>	 <p>Over 2-centuries of combined engineering experience</p>
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### ABOUT GCES

 <p>Dozens of customizable air pollution control equipment options &amp; solutions</p>	 <p>Celebrating nearly 2-decades of innovative abatement solutions &amp; superior customer service</p>	 <p>5 product &amp; services lines: • Industrial Pollution Control • Waste-to-Energy • Thermal Processing • Plant Services • Engineering &amp; Consulting</p>
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### GLOBAL COVERAGE

 <p>Hundreds of GCES solutions in operation across 17 countries</p>	 <p>Global support providing coverage on 6 of the 7 continents</p>	 <p>Complete solutions: • Engineering • Design • Manufacturing • Installation • Field Services</p>
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