

Genesis Water Technologies Specialized Electrocoagulation System Solution



About Us

Genesis Water Technologies, Inc. (GWT), is a USA based global water and wastewater specialist of innovative and advanced treatment solutions for water and wastewater treatment with specific solutions focused upon industrial and domestic water & wastewater treatment and reuse applications.

GWT has its corporate office in Florida, USA with offices and channel partners across the world to serve industrial clients.

To learn more about us, please visit our website at:
<http://www.genesiswatertech.com> or request our companies capabilities presentation.

Specialized Market Segments

- Energy Sector

(Mining, Oil/Gas, Petrochemical, Power)

- Industrial

(Pharmaceutical, Textile, Pulp/Paper)

- Industrial Water/Wastewater Treatment & Reuse

Common Effluent Treatment (CETP), other specialized industries

- Municipal Water & Wastewater Treatment & Reuse

Domestic Sewage Treatment Plants (STP), Drinking Water

Benefits of

GWT Specialized Electrocoagulation System Solutions

- Optimized Opex/Capex costs versus chemical coagulation and competing technologies
- Lower power requirements, optimized based on waste stream
- Typical chemical free process with no dissolved solids addition to the waste stream in most cases.
- Low maintenance
- Minimal operator attention through process automation
- Consistent and reliable results
- Reduction of sludge generation reducing associated sludge disposal costs
- Treats multiple contaminants including specific recalcitrant and complex organic compounds, certain heavy metals, pesticides, colloidal solids, among others.
- Systems solutions are customized to the clients waste stream with the ability to handle water quality variations without any upsets.
- GWT specialized electrocoagulation solutions can be utilized within our Industrial Wastewater Reuse Systems (IWRS) and Domestic Wastewater Reuse Systems (DWRS) for existing system retrofits to meet stringent regulations.

GWT™ Specialized Electrocoagulation Solutions

How Does It Work?

Electrode connections



EC Chamber
(Customized)

Electrodes Material
Optimized Based on
Application

Specific System Reactor/Electrode Design is customized to the application

Specialized Electrocoagulation Treatment Solutions

Client Water Challenges

We take on immense challenges that matter to our clients

- Water Treatment Recycling and Reuse
 - Water Resource Scarcity
 - Regulatory Changes
- Sustainable Environmental Remediation

Summary

GWT Series Specialized Electrocoagulation System Solutions can be utilized to provide an advanced treatment solution to meet current and emerging water and wastewater treatment challenges faced by both industrial and municipal clients in a sustainable way.

These GWT system solutions provide effective treatment of multiple contaminants including specific recalcitrant and complex organic compounds, heavy metals, color, certain pesticides, colloidal solids among others.

The GWT specialized electrocoagulation system solutions significantly reduce sludge disposal costs versus conventional chemical coagulation with sludge disposal passing all TCLP tests.

These modular system solutions are typically available in flow rates from 25 gpm (135 m³/d) to 3700 gpm (20000 m³/d) and larger to meet the needs our industrial and municipal clients.

Thank You

Genesis Water Technologies, Inc.
Web: <http://www.genesiswatertech.com>

Using Innovation To Meet The Water Needs of The World

