

# CHEMICAL & PHARMACEUTICAL WASTEWATER TREATMENT



[www.artein-ingenieria.com](http://www.artein-ingenieria.com)  
[www.adventech-group.com](http://www.adventech-group.com)

## Our Wastewater Treatment solutions guarantee:

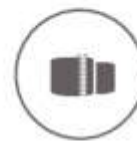
- Effective treatment by catalytic oxidation
- Stable and robust process
- Optimized for variations in wastewater properties
- User - friendly operation
- Reuse and reengineering of existing structures
- Remote operation and control
- Field proven industrial installations
- Complying to local and European Regulations



RESEARCH



TECHNOLOGIES



PLANTS

## EXPERTS IN INDUSTRIAL WASTEWATER TREATMENT

# CHEMICAL & PHARMACEUTICAL WASTEWATER TREATMENT

## Effective Treatment by Catalytic Oxidation

Chemical and Pharmaceutical Wastewater are characterized by very low biodegradability, high variability and substantial toxicity. In order to guarantee the efficiency of the treatment, Adventech plants for Chemical and Pharmaceutical Wastewater use catalytic oxidation processes.

The main advantages of this technology are:

- Strong and robust oxidation process able to treat highly polluted wastewaters with biodegradability and toxic compound;
- No startup period. Effective treatment since the first liter. Process can be turned off and to restarted without interfering with the efficiency;
- Ability to handle daily variations of wastewater.

## Technologies and Engineering



- Highly qualified and experienced engineering team;
- Field -proven installations at several customer locations;
- Fully-equipped lab development, analysis and process fine-tuning;
- Custom-tailored solutions for specific requirements;
- Reuse and Reengineering of old structures;
- Upgrade of malfunctioning plants;
- Close partnerships with European Universities.

## Operations and Control

- Graphical view of the Plants operational status
- User - friendly operation
- Robust user interface
- Automatic alarms and thresholds
- Multiple access levels for users and supervisor
- Powerful logging and reporting features
- Remote diagnostics and operations



## Technical Support and Maintenance

- Technical support provided 24/24, through the year;
- A permanent stock of critical spare parts;
- Guaranteed life-long support of the plant.

