

# Industrial Systems

## G.W.T.S Gas Waste Treatment System

Insertion of Plasma method into Chemical Engineering Technology

- EST has developed a novel portable and ready to mount system – G.W.T.S
- The G.W.T.S utilizes the EST method of Plasma chemical destruction Technology
- The G.W.T.S can be easily modified, calibrated and adopted into any industrial organic gas polluting production line
- The process is continuous and connected to the production line on-site
- The G.W.T.S makes the question of capacity irrelevant, since it is connected directly to the source of gasses, and evacuates them as CO<sub>2</sub>
- The G.W.T.S process has a cost advantage over all other known alternative treatment systems



**G.W.T.S – Real-Time, On-Site,  
Eliminating the Creation of Gas Waste Ultimate Advantages**

## Ultimate Advantages

- Improves On-Site Safety
- Reduces Costs
- Handles Infinite Volume of Gas before it is converted to waste
- Easy to install, operate and maintain.
- Connected to the Customer's Absorption System – Can produce Recycled Gas

## Operation and Safety

The System is User-Friendly, Easy to operate and maintain,  
and safe according to Hazop Resume:

- Interlocks for safety operation
- The System is sealed against surrounding environment, and is constantly over-pressurized.
- The System operates continuously in accordance with customers specific needs – provides full control of process parameters by state of the art Touch Panel.
- Operation on demand – Inertia free system
- Designed in compliance with European Standards (CE), including power supply and PLC control.



**G.W.T.S - in Operating State**