

# OGT

## Off-Gas Treatment

Dynasafe's Off-Gas Treatment Systems (OGT) are used to filter out contaminants from the waste gas resulting from conventional or chemical munitions destruction. The off-gases are directed to the OGT and treated to meet emissions standards.

The OGT was designed for integration with Dynasafe Static Detonation Chambers (SDC). Each Dynasafe OGT is customized to fit the mission's chosen destruction technology, feed materials, and pollution regulations.



- Customization for each project
- Wastewater free
- Standard size racks for easy transport
- Each system fully tested before delivery to customer
- Each module targets specific contaminants so that they are neutralized



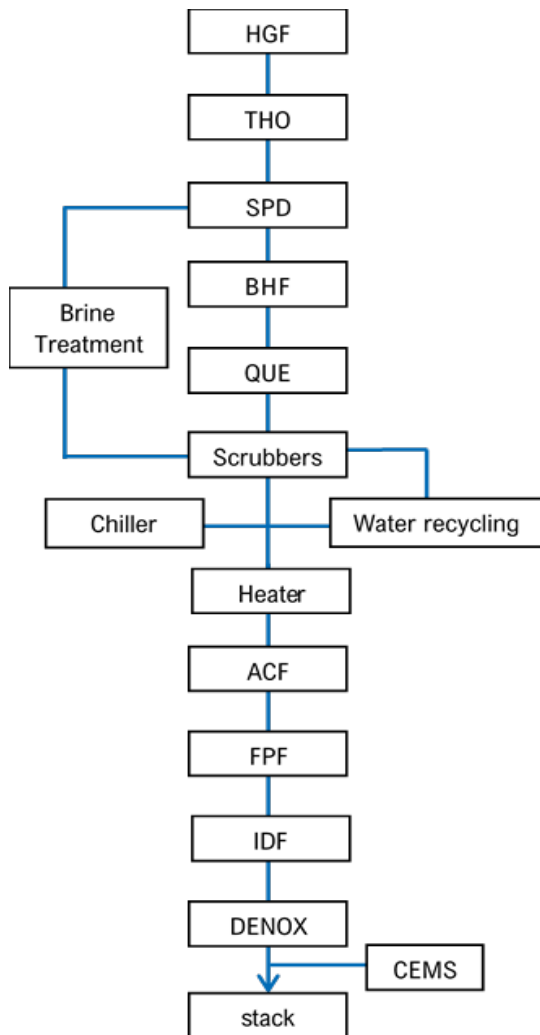
*Make the world a safer place*

# Example Applications

Contaminants	THO	BHF	Wet Scrubber	Water Recovery	ACF	HEPA Filter	DENOX
Explosives	✓				✓		✓
Dust		✓					
Mercury (Hg)	✓				✓		
Chlorine	✓		✓	✓			
Sulphur	✓		✓	✓			
Volatile Heavy Metals		✓				✓	
Semi volatile Heavy Metals		✓			✓	✓	
Heavy Metal Dust	✓	✓					
TOC	✓				✓		
Dioxine	✓				✓		
Strict NOx Limits	✓						
Chemical Warfare Agents	✓	✓	✓	✓	✓	✓	✓

The table above is for illustrative purposes only as module selection and integration is determined on a case-by-case basis. The off-gas from munitions destruction contains many contaminants to be addressed upon consultation with an engineer.

## Simplified Flow Diagram



## Common Modules

**HGF:** Hot Gas Filter

**THO:** Thermal Oxidizer

**SPD:** Spray Dryer

**BHF:** Bag House Filter

**ID Fan:** Induced Draft Fan

**CEMS:** Continuous Emission Measurement System

### Modules for Chlorine and Sulphur

**QUE:** Quench

**Scrubbers:** Acid and Neutral Scrubbers

### Modules for semi and low volatile heavy metals including Mercury and Cadmium

**ACF:** Activated Carbon Filter

**FPF:** Fine Particle Filter

### Modules for strict NOx limits

**DENOX:** Catalytic DeNox System

