

OUR SERVICE CATEGORIES:

Mobile Emission Treatment

Nitrogen & Safety Services

Emission Measurement Services

Impact Calculation & Documentation

Our trailer-mounted Mobile Vapor Combustion Unit (MVCU) with a thermal capacity of 5 MW is designed for short- to medium-term deployment projects. The modular system provides flexible and reliable emission treatment and can be easily combined with other ETS solutions. Project-specific configurations are available upon request.



Mobile Vapor Combustor VCU E-5VT

5 MW thermal capacity

> 99,9 % Emission reduction (DRE)

Flexible Trailer-Mounted System

Mobile Emission Treatment can be combined with:

- + Nitrogen & Safety Services (NSS)
- + Emission Measurement Services (EMS)
- + Impact Calculation & Documentation (ICD)

Category	Description
Thermal Capacity	5 MW
Emission Reduction (DRE)	> 99.9 %
Volume Flow (min. – max.)	0 m³/h – 3,000 m³/h
Inlet Pressure (min. – max.)	4 mbar – 150 mbar (0.06 psi – 2.18 psi)
Gas Temperature (min. – max.)	-20 °C – +60 °C (-4 °F – +140 °F)
Connection Nominal Size	DN150 PN10 (EN 1092-1) ~ 6" CL150 Slip-on (ASME B16.5)
Sound Pressure Level	67 dB(A) at 7 m distance
Weight	25-30 tons
Certifications	CE, TÜV Süd
European Patents	EP 2241 806 B1: Degassing of auxiliary equipment/containers (mobile tanks, vacuum trucks) EP 2811 229: Truck-mounted system

Pollutant Combustion
All Zone 0 gases within the pipeline
VOCs, BTEX, C _x H _y O _z with x + y + z = 1 – n
Ammonia, H ₂ S < 300 ppm, other HAPs (on request)
Cryogenic Gases
Mine Gases
Flammable and non-flammable gases and gas compounds
Compensation for fluctuations in composition and volume flow of vapors

Safety Devices
External Signaling (Emergency Stop Chain)
Controlled Combustion
Automatic Shutdown on Under-/Overpressure of Process Gas
Flame and Detonation Arrestor
Combustion Temperature Control
Flashback Protection

Applications
Degassing of tanks and containers of all types
Degassing of pipelines
Degassing during loading and unloading operations (ship, rail, road)
Degassing of tanks, mobile tanks & vacuum trucks
Degassing of ships, road tanker & rail cars
Replacement provision of VRUs & VPS

Your Benefits
Efficient process without open flame
Mobile complete solution including measurement
Short-term availability
Available throughout Europe
Experienced specialist personnel
Patented technology
Certified processes

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MEASURE. TREAT. VERIFY.

