



BURNERS

FLARES

THERMAL OXIDISERS

VAPOUR CONTROL

RENTALS

AFTERMARKET

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# HAVE YOU CONSIDERED A RENTAL?

ZEECO Europe has a fleet of rental equipment, ranging from open, elevated flares exceeding 90 metres in height, to fully enclosed combustion systems that can handle a heat release of 17MW+. Our rental systems are designed to be both mobile and versatile, allowing for a quick turnaround for emergency scenarios with access to locations worldwide. The use of minimal resources for installation and limited utilities required for operation, followed by a removal that leaves no footprint, ensures we can meet all customer requirements with no operation implications.

## ZEECO FLARE RENTAL CAPABILITIES

### COMMON APPLICATIONS

- » Emergency replacement of existing flare systems
- » Rental flare and flare tip replacement package
- » Existing flare maintenance
- » Vapour Recovery Unit (VRU) maintenance
- » Marine terminal vapour control
- » Pipeline blowdowns
- » Tank degasifications/pressure relieving

### AVAILABLE EQUIPMENT

- » Guyed and skid mounted elevated flares
- » Skid mounted enclosed flares
- » Skid mounted vapour combustors
- » Skid mounted thermal oxidizers
- » Zone "0" blower skid units
- » Dock safety units (for marine applications)
- » Auxiliary equipment - knock out drums, pilots, flame arrestors, etc.



### OPEN FLARE CASE STUDY

- » Planned maintenance and turnaround of main flare system
- » Temporary ethylene flare installed and commissioned to maintain partial capacity
- » Continuous operation for 1-month, saving over 2,000 tons of product during turnaround activities
- » Winner of IChemE Global Team Awards

#### Flare Characteristics

- » 70,000 Kg/Hr capacity
- » Steam-assisted flare tip
- » 25-metres tall
- » Mobile guy-wire anchoring
- » Installation time: 1-2 days



### ENCLOSED COMBUSTOR CASE STUDY

- » Emergency shutdown of loading terminal VRU due to inadequate emission compliance
- » Alternative means of vapour control device required immediately
- » Mobile Vapour Combustor Unit (VCU) selected to take full VRU capacity to maintain operation

#### Flare Characteristics

- » 17MW heat release
- » Fully automated control
- » HMI & Siemens S7 PLC
- » Self-supported (no footprint left)
- » Installation time: 1-2 days

