



MOBILE IGNITION SYSTEM TECHNOLOGY (MIST)

Zeeco Middle East Ltd. | 112 Street Building 3806 | Dammam 2nd Industrial City 34325 - 7230 KSA | +996 13 804 2200 | zeeco.com

SAFE, EFFICIENT, AND RELIABLE IGNITION AND MONITORING OF BURN PITS

Reliable pilot ignition is critical to the destruction of flare gases that are sent to a burn pit. However, many burn pits are located in remote areas without access to reliable ignition and power sources, making ignition and monitoring difficult and dangerous. That's why Zeeco and Saudi Aramco jointly developed the Mobile Ignition System Technology™ (MIST), a patent-pending solution for safe, reliable, and portable pilot ignition.



EVERYTHING YOU NEED IN ONE TRAILER

All the equipment to operate MIST is included in the small trailer footprint and is powered by solar energy, making deployment to site simple. MIST is equipped with the following:

- » Nitrogen (N₂) for pilot purge
- » Propane for pilot gas
- » High Energy Ignition (HEI)
- » Solar powered battery
- » Pilot ignition and monitoring



HOW TO OPERATE MIST

The operation of MIST was designed to be as simple as possible. To begin, the operator connects MIST to the burn pit junction box and purges the pilot line with N₂. Once completed, the HEI is activated, and propane is sent to the pilot, where it is lit by the ignitor. After the thermocouple confirms pilot ignition, flare gas is sent to the burn pit for safe destruction. MIST monitors pilot operation during flaring and automatically relights the pilot if it goes out. Once flaring is completed, MIST can be disconnected and deployed to the next site or sent to storage.

