



Marioff HI-FOG® packaged systems.

## Fire protection for the Oil & gas and power industries

Gas turbines, compressors and diesel generators used in oil, gas, and power generating facilities pose similar fire hazards; they contain fuel and oil adjacent to hot surfaces during normal operation. High-pressure water mist provides superior fire protection performance by quickly cooling down the fire and structures below the flammable liquid flashpoint and thus preventing re-ignition of the fire. Fire is suppressed even if the gas turbine acoustic enclosure door has been left open or if enclosure integrity has deteriorated over the equipment lifecycle.

Marioff offers packaged solutions based on its Machinery Accumulator Unit (MAU) and Gas-driven Pump Unit (GPU). Both solutions are built and tested at the factory, resulting in minimal installation time on site. Hundreds of gas turbines from leading turbine manufacturers are protected by the HI-FOG solutions globally.

### The HI-FOG solution for the power industry

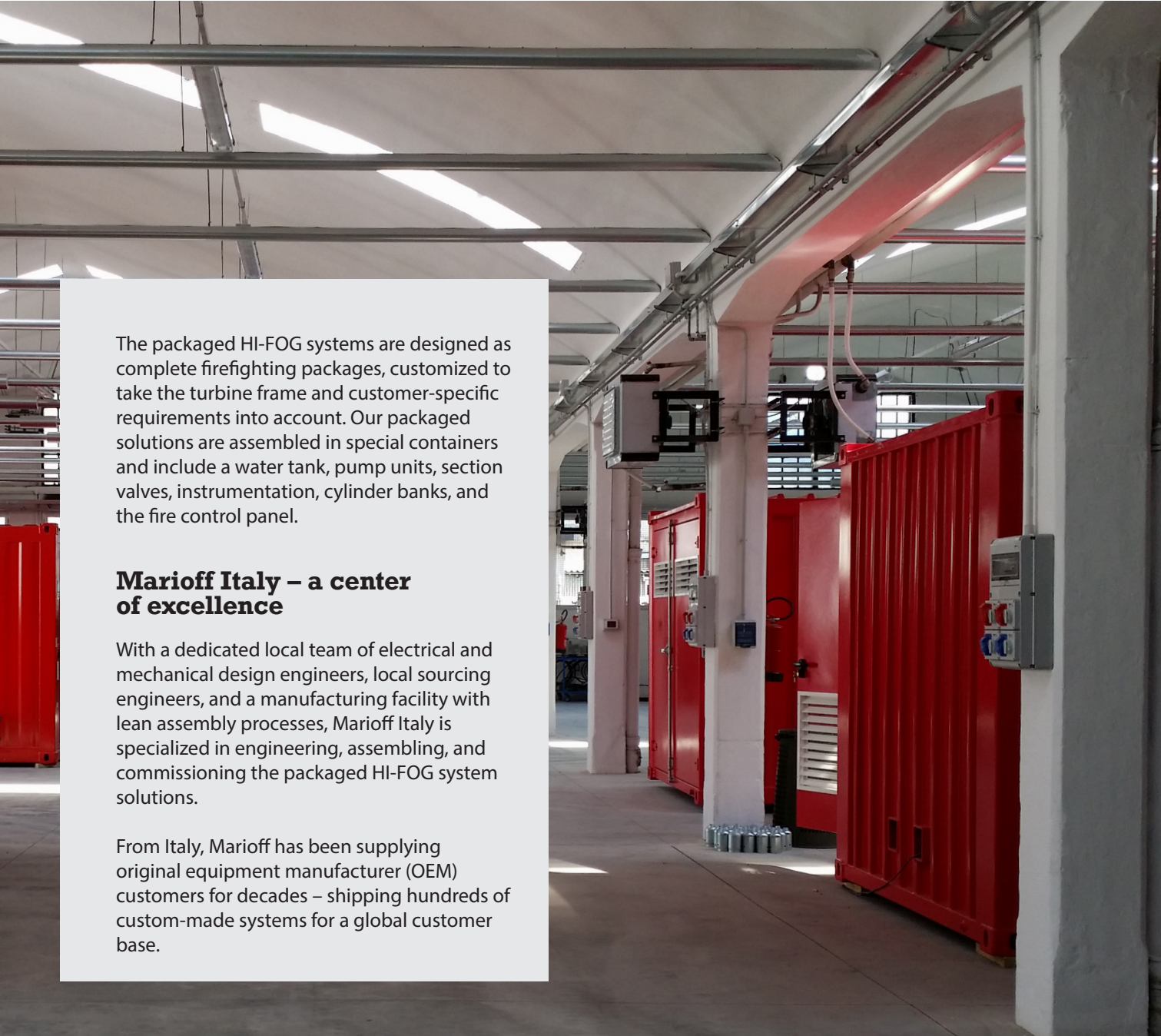
FM and VdS approved GPU systems are ideal for protecting gas-fired power plants that use heavy-duty gas turbines to produce electricity. Delivered as packaged solutions that are tested at the factory, the HI-FOG systems enable fast and easy on-site installation and commissioning.

In addition to performance requirements, the mechanical design also considers safety and ergonomics, allowing easy access for service and maintenance activities.

### The HI-FOG solution for the oil & gas industry

Offshore facilities, pipeline compressor stations and petrochemical plants require special attention to fire safety. Fire protection solutions must take into account the harsh environment, hazardous area requirements, and the fact that business continuity is the highest priority.

Solutions based on the Machinery Accumulator Unit (MAU) provide a rugged solution for this special fire protection application. Engineering excellency, careful selection of materials, and critical components – as well as extensive industry experience – are all incorporated into the packaged HI-FOG solutions, resulting in the most reliable water mist solution against fires in the oil & gas industry.



The packaged HI-FOG systems are designed as complete firefighting packages, customized to take the turbine frame and customer-specific requirements into account. Our packaged solutions are assembled in special containers and include a water tank, pump units, section valves, instrumentation, cylinder banks, and the fire control panel.

### **Marioff Italy – a center of excellence**

With a dedicated local team of electrical and mechanical design engineers, local sourcing engineers, and a manufacturing facility with lean assembly processes, Marioff Italy is specialized in engineering, assembling, and commissioning the packaged HI-FOG system solutions.

From Italy, Marioff has been supplying original equipment manufacturer (OEM) customers for decades – shipping hundreds of custom-made systems for a global customer base.

*Marioff is a leading developer of water mist fire protection technology and supplies system solutions worldwide. The company's innovative HI-FOG water mist fire protection system controls and suppresses fire using significantly less water than conventional sprinkler systems, reducing water damage, cleanup time and operational downtime. For more information, visit [www.marioff.com](http://www.marioff.com).*



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