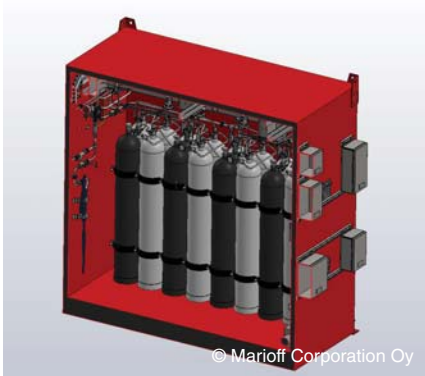
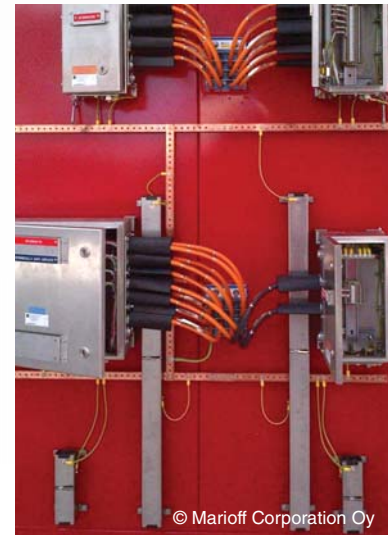


Packaged HI-FOG[®] Water Mist Systems for the Oil & Gas and Power Industries





Packaged HI-FOG® W for the Oil & Gas and



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 is safe for both, people and the environment and 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. High pressure water mist suppresses fires even if the gas turbine acoustic enclosure door has been left open or if the enclosure integrity has deteriorated over the equipment life-cycle.

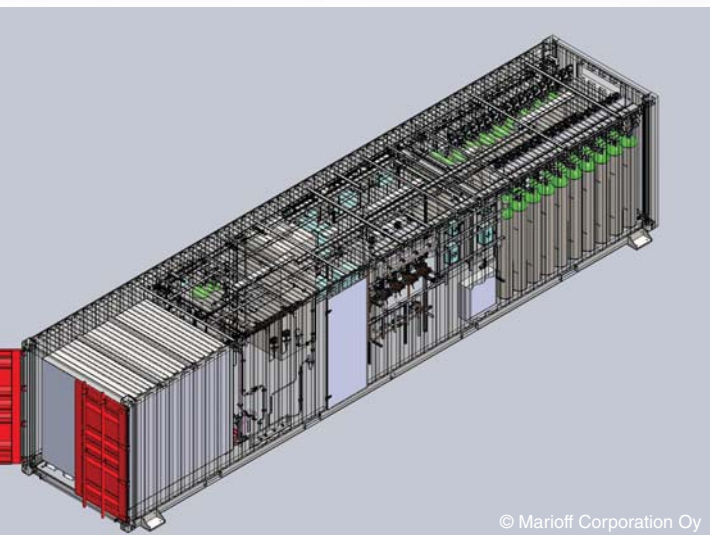
(GPU). Both solutions are built and tested at the factory resulting in minimal installation time needed on site. All over the world, hundreds of gas turbines from leading turbine manufacturers are protected by HI-FOG®.

HI-FOG® for Power Industry

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

Marioff offers packaged solutions based on its Machinery Accumulator Unit (MAU) and Gas-driven Pump Unit

Water Mist systems and Power industries



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The HI-FOG® high pressure water mist systems are designed as complete fire-fighting packages, typically customized to take the turbine frame and customer specific requirements into account. Such packaged solutions are assembled in special containers and typically include a water tank, pump units, section valves, instrumentation, cylinder banks (containing nitrogen or compressed air) and the fire control panel. In addition to performance requirements, the mechanical design also considers safety and ergonomic aspects, allowing easy access to perform service and maintenance activities.

HI-FOG® for Oil & Gas industry

Offshore facilities, pipeline compressor stations and petrochemical plants require special attention to fire safety. Fire protection solutions must take into ac-

count the harsh environment, hazardous area requirements and the fact that business continuity is the highest priority.

Marioff's HI-FOG® systems, based on 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 the extensive industry experience are all incorporated into the packaged HI-FOG® solutions, resulting in the most reliable high pressure water mist solution against fires in the oil & gas industry.



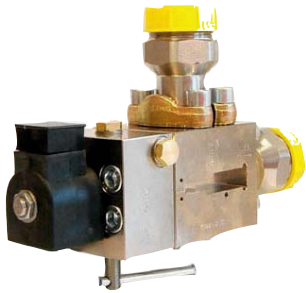
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HI-FOG® Spray Heads



HI-FOG® Machinery Space Section Valve



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Marioff's packaged HI-FOG® system solutions are led by Marioff S.r.l., in Milan, Italy. With a dedicated local team of electrical and mechanical design engineers, local sourcing engineers and a manufacturing facility including lean assembly processes, Marioff Italy is specialized in engineering, assembling and commissioning the packaged HI-FOG® system solutions. From Italy, Marioff has been supplying OEM customers for more than a decade shipping hundreds of custom made systems for the global customer base.

Our experience in fire protection for the Oil & Gas and Power industry and the unique know how of our Italian team is something we want to share throughout the customer base. We are delighted to serve our customers with unmatched fire suppression technology.



HI-FOG® Machinery Space Accumulator Unit (MAU)



HI-FOG® Gas-driven Pump Unit (GPU)



HI-FOG® Electric Pump Unit (EPU)



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