



*Hoffman*<sup>®</sup>

# OIL & GAS SOLUTIONS

DESIGN WITH CONFIDENCE<sup>®</sup>

PENTAIR EQUIPMENT PROTECTION

HARSH & HAZARDOUS APPLICATIONS

# WE'VE GOT YOU COVERED

In the most harsh and hazardous environments, anywhere on the globe, Hoffman® enclosures from Pentair protect critical oil and gas assets — including the people who operate them.

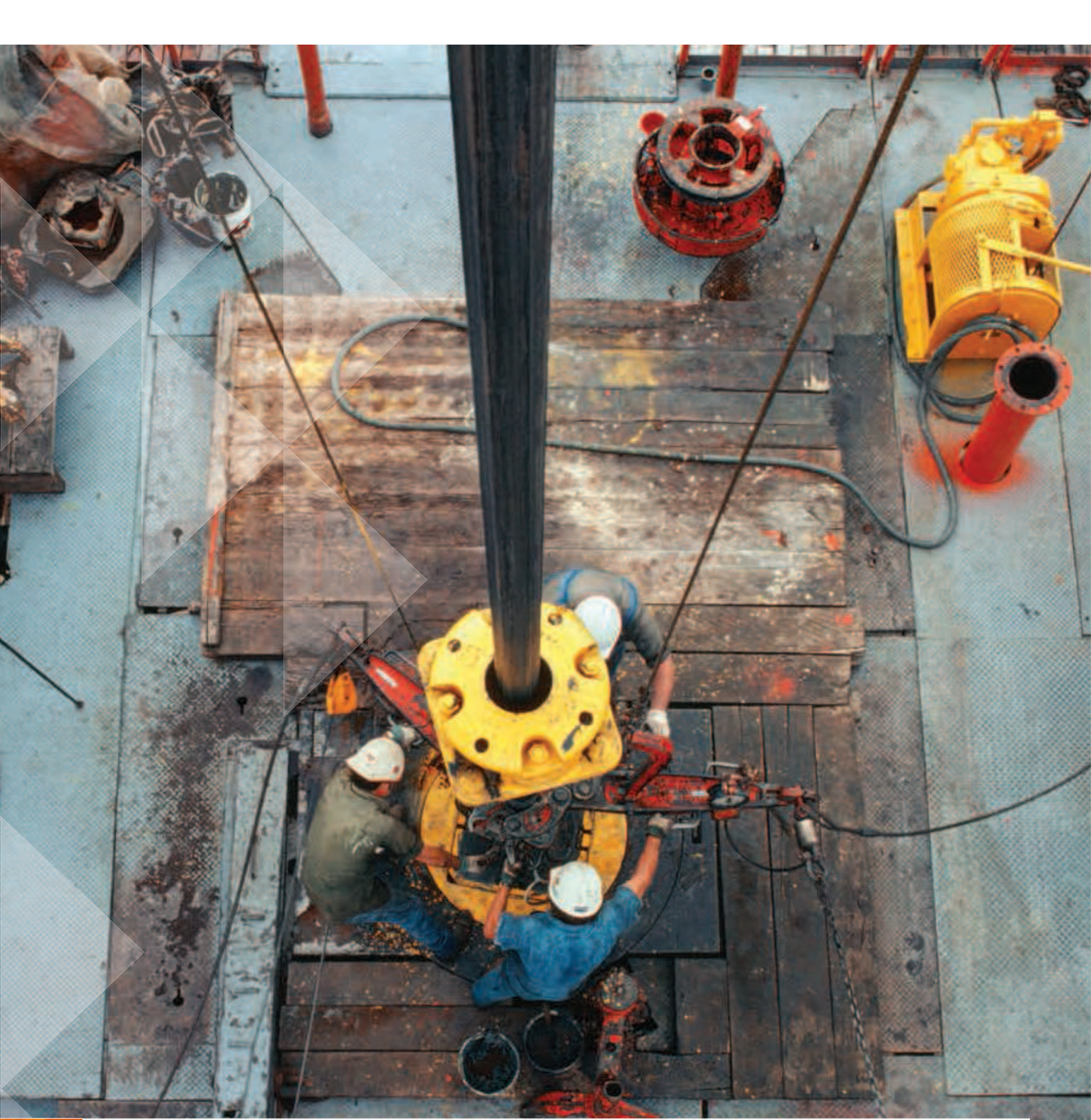
Oil and gas companies operate in some of the world's most extreme conditions, where they're exposed to the most demanding natural and man-made elements. Severe vibration. Corrosive chemicals and salt spray. Searing heat, bitter cold and driving rains.

Hoffman enclosures and accessories are built tough — with third-party certifications — to help safeguard even the most complex electrical control systems and other vital equipment. Hoffman is the No.1 specified enclosure for harsh applications globally, with more than 3 million enclosures produced for industrial applications.

Our harsh and hazardous-product line is available to oil and gas producers globally and locally, from our eight major manufacturing facilities worldwide. We're ready to meet your rapidly changing requirements, regardless of volume, size or material. Our extensive supply network allows us to provide standard, modified and custom enclosures with the shortest-possible lead times.

With our deep domain experience, Hoffman's engineering experts know how to meet the unique requirements of oil and gas installations and applications. We can provide program-management consulting services at every stage of your project, from concept to delivery.





## COMPREHENSIVE, HIGH-PERFORMANCE SOLUTIONS

Oil and gas producers depend on reliable, robust control systems for their operations, on and offshore. Hoffman is a preferred enclosure vendor for global control and automation OEMs because we manufacture a comprehensive range of high-performance enclosures for a multitude of applications, including PLC, DCS and SCADA control systems, and marshaling cabinets.

Other key applications include: junction boxes for electrical and instrumentation connections, wall-mount enclosures for RTU and small control system enclosures.

# COMPLEX AND LARGE PROJECTS, DONE RIGHT

## ADVANCED ENGINEERING, MULTIPLE OPTIONS

**Wide range of enclosures.** Hoffman products for harsh and hazardous environments span the spectrum — from small junction boxes made from compression-molded fiberglass, to multi-bay, freestanding configurations composed of mild and stainless steel.

**International certifications.** Hoffman products adhere to the strictest global standards and certifications for safety and protection. Our Zonex™ Enclosures are ATEX and IECEx certified, delivering a robust solution where explosive gas and dust are present.

**Extensive accessories, custom features.** Our broad range of hazardous-location accessories include window kits, hole seals, vent drains, lights and purge controllers. For high-wind applications, we offer heavy-duty plinth bases. Super-durable paint and specialized coatings help protect enclosures in highly corrosive areas, while sun-and-weather shields protect against heat, UV exposure and climate extremes. We also offer air conditioners and other temperature-control options.



Hoffman® harsh and hazardous location enclosures and accessories are globally certified:





**Solutions for harsh offshore environments.** A global DCS manufacturer in India required 26 custom system and marshaling cabinets. The system was located in a hazardous drilling area, requiring ATEX Zone 2, Gas Group IIB and T3 certifications. Hoffman delivered a turnkey enclosure solution that included heavy plinth bases and bracket designs to withstand severe vibrations. The solution also included super-durable paint to protect against salt spray corrosion, along with weather shields to reduce UV exposure.



**Fast delivery for midstream compressor applications.**

A U.S. systems integrator needed rapid delivery of large freestanding and wall-mount stainless steel enclosures. The solution had to be fully designed, assembled, tested and delivered to their customer in six weeks. Hoffman quickly supplied the back panels so electrical equipment and controls could be populated immediately. The modified enclosures — which included cutouts, holes for conduit and cabling, and different latching mechanisms — shipped separately for final assembly.



**Complex combination project.** For both offshore platforms and gas processing plants in Saudi Arabia, a leading automation vendor needed enclosures for SCADA systems and marshaling cabinets. Hoffman provided technical solutions at every stage of the project, from FEED and bidding, to conceptual and detailed designs. Hoffman's enclosures and air conditioners protect and cool the critical automation equipment.



**Certified enclosures for LNG.** An Australian company was building massive liquefied natural gas plants, and needed a country-specific, hazardous-location certification based on the IECEx standard. Hoffman helped define the customer's requirements, worked with the EPC to acquire the necessary certification on its Hoffman Zonex product line, and delivered over 300 modified enclosures for the project.



A photograph showing two workers in red safety suits and orange hard hats. They are standing in front of a large, complex industrial machine, possibly a generator or motor, with a large flywheel. The worker on the left is pointing towards the machine. The background is a bright, slightly overcast sky. The image is used as a background for the text in the top half of the page.

# ENCLOSURE EXPERTS, WHEN AND WHERE YOU NEED THEM

**Project management, domain expertise.** Complex applications in oil and gas facilities require support from suppliers who understand their customers' business and the complexities that come with it. Pentair project managers and engineers have domain expertise to anticipate enclosure needs unique to oil and gas facilities.

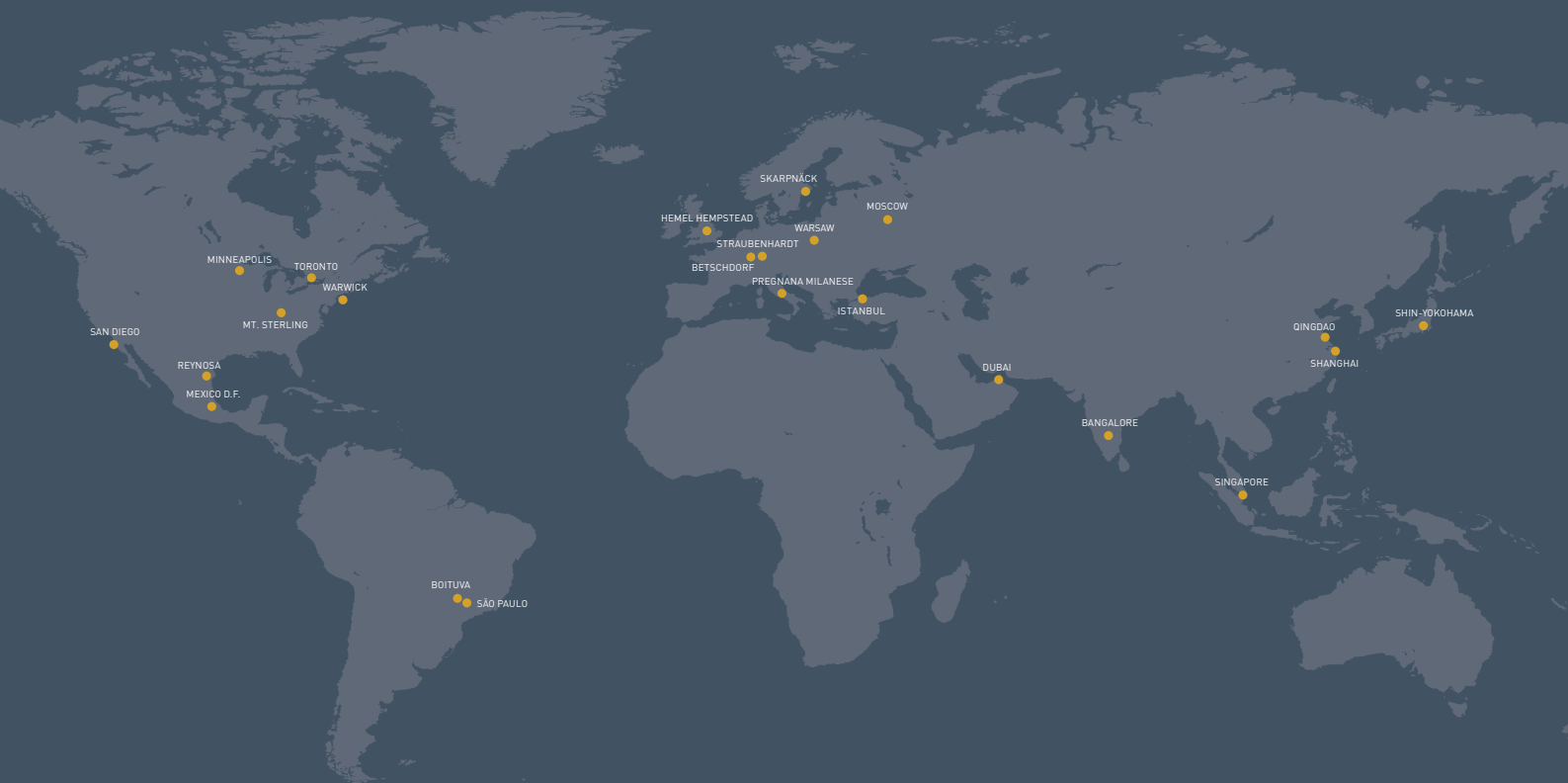
**Responsiveness and rapid delivery.** Complex control-system designs can require changes for electrical enclosures by end-user customers, EPCs and OEMs in the oil and gas industry. Hoffman offers flexibility for changes and can deliver enclosures in tight turnaround times.

**Global manufacturing, sales and support.** Pentair operates manufacturing facilities in the United States, Poland, India, China, Brazil and Mexico to meet global customer needs. These facilities contain manufacturing, engineering, sales and marketing for local support and service.

## Established partner in oil and gas

Hoffman is an approved vendor for major oil and gas companies worldwide. Our dedicated engineering and sales teams also collaborate with end-users and EPCs at every stage of an enclosure project, from FEED and bidding, to conceptual and detailed designs, to construction.





FOR MORE INFORMATION AND TO CONTACT US, GO TO: [HOFFMANOILANDGAS.COM](http://HOFFMANOILANDGAS.COM)



**EQUIPMENT PROTECTION SOLUTIONS**

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