



CONNECT AND PROTECT

Oil & Gas Solutions


nvent

HOFFMAN



**Protection
is our obsession.**

nVent.com/oilandgas



nVent HOFFMAN Protects

EQUIPMENT. CONTROLS. AND PEOPLE.

Maximizing the operation and life cycle of process controls, instruments and electrical systems in oil and gas applications requires equipment protection solutions designed to endure in extreme environments. HOFFMAN enclosures protect under severe vibration, from corrosive chemicals and salt spray, in searing heat, bitter cold and driving rains. Inside or out, under constant bombardment of corrosive agents and the elements, no enclosure protects better than HOFFMAN. Because no other enclosure is built like a HOFFMAN.

From the managed conditions of control rooms, to extreme outdoor environments, to classified hazardous locations, HOFFMAN enclosures from nVent offer the high-performance solutions for control and equipment protection preferred worldwide by EPCs, OEMs and end-user specifiers.

HOFFMAN offers decades of domain expertise, world-class manufacturing to international 3rd party certification standards, consistent quality and global availability within the tightest deployment time frames.

In the most harsh and hazardous environments on earth, HOFFMAN helps protect your critical oil and gas assets—including the people who operate them.

INDUSTRY-LEADING PROTECTION

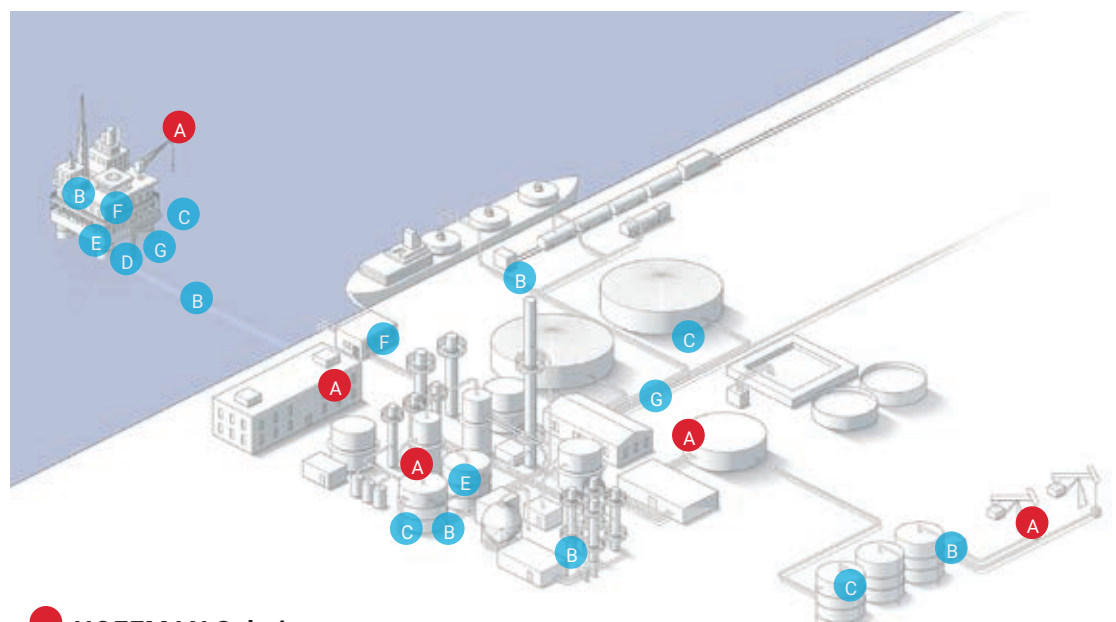
- The industry's most comprehensive range of enclosure and cooling products, unsurpassed options and complete engineered solutions
- The No.1 specified enclosure for harsh applications in the world, with more than 3 million enclosures produced for industry each year
- Over 14,500 products – the largest selection of standard enclosure and cooling products in the industry
- 2 million sq. ft. global manufacturing footprint with 8 plants in the United States, Mexico, Brazil, China, Poland and India
- UL testing and extensive environmental test capabilities in-house, to accelerate agency certification of engineered and co-developed solutions
- Pioneer in the enclosure industry with over 70 years of experience

DESIGN WITH CONFIDENCE

NVENT. A GLOBAL SOLUTIONS PARTNER FOR THE OIL & GAS INDUSTRY.

The nVent family includes many of the most trusted and recognized brands serving the energy sector with technologies that keep oil and gas operations efficient, safe, reliable and environmentally responsible, worldwide.

With a long history of performance in the toughest production and environmental conditions, nVent is trusted to deliver robust solutions engineered for the unique demands of the industry.



HOFFMAN Solutions

NVENT OIL & GAS SOLUTIONS PORTFOLIO

A) Controls / Electrical Enclosures and Cooling
B) Valves and pumps

C) Oil and Gas Separations
D) Dewatering
E) Advanced Filtration and Desalination

F) Water Supply and Disposal
G) Industrial Heat Tracing

NOW ON HAZARDOUS DUTY.

From harsh conditions to hazardous environments,
WE'VE GOT YOU COVERED.

THE MOST MODELS. BUILT TO HANDLE THE MOST DEMANDING APPLICATIONS.

In the control room or in the field, no matter what your challenge, there's a HOFFMAN enclosure and cooling solution for every application. We offer both modular and unibody platforms, in more models, sizes and materials than any other manufacturer. Plus the most modification, customization and accessory options. From PLC, DCS and SCADA control systems to marshaling cabinets, from custom wellhead control panels to rated enclosures for hazardous locations, HOFFMAN has you covered.

ENCLOSURES. Control, instrument and power cabinets for indoor facility applications, plus the industry's largest line of corrosion-resistant enclosures in 304 and 316L stainless steel, aluminum, fiberglass and thermoplastic composites for protection in any environment.

COOLING. Over 2,000 UL®-certified cooling, heating and climate-control products protect the reliable operation and life cycles of critical controls and equipment while helping maximize productivity and uptime.

CUSTOM ATEX AND IECEx ENCLOSURES. From junction boxes to large freestanding control panels, HOFFMAN offers customized solutions for hazloc applications. Features such as corrosion resistant coatings, solar shields and plinth bases combat harsh elements.

HAZARDOUS LOCATION COOLING. Robust, purpose-built design enhances reliability in demanding hazardous locations. Special coating and materials designed to fight corrosive environments with communication options to stay connected in remote locations.

INDOOR ENVIRONMENTS



A) PROLINE Modular Enclosures
B) A51S Junction Box

OUTDOOR ENVIRONMENTS

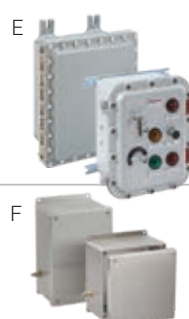


C) A4SW3 Stainless Steel
Wall-Mount
D) FS66 Type 4X Stainless



Steel Enclosure
E) Explosion-Proof and
Flameproof Enclosures

HAZARDOUS LOCATIONS



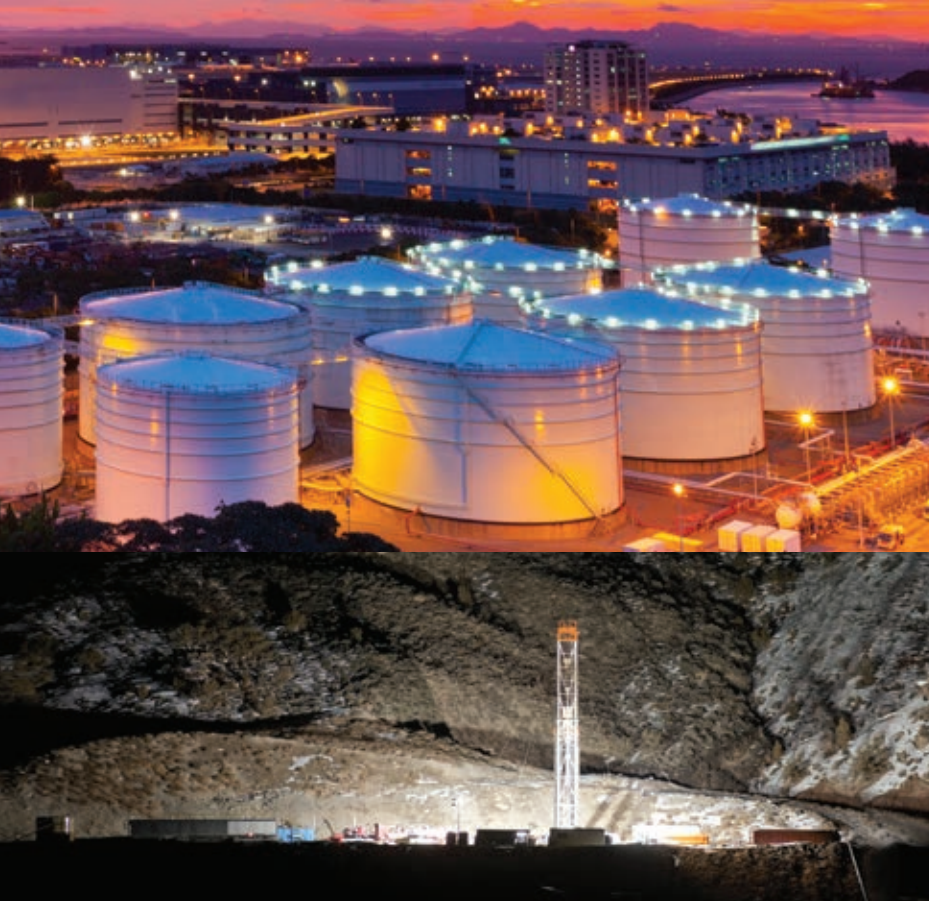
F) ZONEX ATEX & IECEx Enclosures
G) Customized ZONEX Enclosure



H) Hazardous Location Heater
I) SpectraCool Hazardous
Location A/C

HOFFMAN enclosures and accessories are certified to global standards





DRIVING CUSTOMER RESULTS WORLDWIDE



SOLUTIONS FOR HARSH OFFSHORE ENVIRONMENTS

A global DCS manufacturer required 26 custom system and marshaling cabinets for a platform application 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 vibration, super-durable paint to protect against corrosion, and weather shields to reduce UV exposure.



FAST DELIVERY FOR MIDSTREAM COMPRESSOR APPLICATIONS

A U.S.-based systems integrator needed built-to-order freestanding and wall-mount stainless steel enclosures on an accelerated design and deployment schedule. With a six-week window for complete design, assembly, testing and delivery, HOFFMAN supplied the appropriate back panels in advance, facilitating population of the electrical equipment and controls simultaneously during the build of the modified enclosures, and subsequent rapid assembly and integration.



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 enclosures and air conditioners protect and cool the critical automation equipment.



CERTIFIED ENCLOSURES FOR LNG

As part of a massive liquefied natural gas plant, an Australian company 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.





When you put your controls in demanding environments, **PUT YOUR TRUST IN HOFFMAN.**

PROJECT MANAGEMENT, DOMAIN EXPERTISE. Applications in oil and gas facilities require support from suppliers who understand their customers' business and the complexities that come with it. nVent project managers and engineers have decades of 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. To meet global customer needs, nVent operates HOFFMAN manufacturing facilities in the United States, Poland, India, China, Brazil and Mexico with on-site engineering, sales, technical support and service. nVent also has a global network of sales and support locations worldwide, and the industry's largest North American distribution network.

SERVICES. HOFFMAN offers pre- and post-sales services and technical support to deliver the right enclosure, cooling solution and options for your project, and tailor the level of assurance you need to mitigate risks. Our plans and offerings include:

- A choice of flexible service plans that can be customized to your needs
- Extended product warranties
- Operator and maintenance training programs
- Custom installation, commissioning, and upgrades
- 24/7/365 service availability

SOLUTIONS FOR COMPLEX PROJECTS

- Localized manufacturing to Global ISO 9001:2008 standards
- Turn-key, rapid-response engineering, design and integration services for enclosed systems
- Certified Assembly Program for value-added services
- Project management, training and consultative engineering services
- Industry specific solutions:
 - Custom wellhead or process control panels
 - Internal barriers, hubs and reservoirs
 - Purge and pressurization systems
 - Switchgear control enclosures
 - Arc flash safety systems
 - DCS control solutions
 - Drill rig systems
 - Heat trace controls
 - Gas analyzer equipment
 - Compressor controls
 - Oil and LNG pump drives
 - Electrical junctions



Never let up.

Learn more about HOFFMAN Enclosures for the Oil & Gas Industry, go to nVent.com/oilandgas

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CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER



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