

## **CAPABILITY STATEMENT**

EP HVAC Inc. is an employee owned Canadian based firm specializing in project management and engineering in the offshore and industrial market. The company is comprised of senior professional engineers and managers with a collective history of successful project administration in the offshore. EP HVAC has provided the HVAC systems engineering and equipment for the SeaDrill and Odfjell Offshore Projects to Daewoo Shipbuilding and Marine Engineering in Korea. These projects are full design and equipment sourcing projects. Additionally EP has provided the living quarters HVAC for the West Phoenix and West Eminence also constructed in Korea by Samsung Heavy Industry. All projects are being built to comply with harsh North Sea requirements of Norsok, NMD and DNV. Our personnel have participated in many challenging harsh environment offshore projects in Canada including Sable Offshore Energy Project Tier I and Tier II, Hibernia GBS, and Terra Nova field development. Currently EP HVAC Inc. provides direct technical services to ExxonMobil in Canada for the Sable Project facilities, and other major oil companies.

EP HVAC Inc. has assembled a strong industry team to meet the strict requirements of the specifications for worldwide offshore projects. Specialists in platform systems installation, offshore design and engineering, HVAC Project Management and controls systems are partners in our ventures. EP HVAC has established operations in Canada, the US, and Holland to provide client support from conception to commissioning of projects. EP HVAC Marine BV operates from Rotterdam to service the European Community marketplace. EP HVAC US Inc. is established in Texas with a full service and installation capability for offshore and marine clients. Our experienced technicians mobilize to operational platforms or provide new construction commissioning support globally.

### **Design Experience**

EP HVAC Inc. personnel have provided the project management and engineering on many challenging offshore, naval, and marine projects operating in worldwide service. Further design contracts are ongoing with Noble Corporation of Houston for semisubmersible rig projects in China and Singapore, and with Scorpion Drilling for the five new jack-up rigs under construction with Keppel Amfels. EP HVAC Inc. is also providing basic design and detail design services to Transocean/Global Santa Fe for Arctic-III HVAC upgrades and Development Driller III Semisubmersible under construction in Singapore.

From our factory in Beaumont, TX, we are able to provide custom grade HVAC equipment in stainless steel construction. Equipment capacity ranges from 6 KW to 700 KW of cooling and EP can provide standard HVAC equipment with unlimited capacities. Units can be constructed to meet stringent requirements of operation in hazardous and explosive environment (Class 1 Div 1, Class 1, Div 2, ATEX, CE, CA and NEC) and in compliance with USCG, ABS, IMO, DNV, Lloyd's rules/regulations.

In conjunction with full staff of "In House" professional engineers, EP HVAC Inc. utilizes the state of art design software's such as Auto-CAD Revit, MEP 2009, ASHRAE Psychrometric analysis, Carrier HAP, McQuay Design tools and Carlyle Solutions.

EP HVAC Inc also offers complete solutions for specialize refrigeration and low temperature application requirements. We provide complete system solutions including system design, equipment supply, installation, project management and final testing and commission of the refrigeration systems. Typical projects include system having special requirements like provision plant/cold stores on marine/naval ships, low temperature with dual stage cascade systems and Low temperature systems using Freon and ammonia.

EP also offers HVAC consulting services to the marine and naval industry. Contracts with Transport Canada and the Canadian Department of National Defense have required our support in design and equipment selection and sourcing.

With our supplier network EP are able to offer complex machinery for application specific design. This includes industry partners Toromont Energy Systems who are active in larger gas compression and topsides process design.

### **HVAC and Refrigeration Repair (Mobile Team)**

As a global HVAC company committed to providing complete HVAC solutions to our marine and offshore clientele, we provide quality 24/7 "On Demand" service and repair support worldwide for the HVAC and refrigeration systems. Our service technicians are well experienced in all aspects of HVAC and refrigeration systems such as Low temperature systems, Ammonia based cooling systems, Direct Expansion (DX), flooded evaporator systems, Medium/high temperature system, air cooled, fresh water and sea water cooled systems, reciprocating, helical screw, centrifugal, rotary compressors etc.

All technician vehicles are equipped with the following:

Recovery machine, Recovery bottles, Brazing Kit, Vacuum pump, Electronic leak detection devices, Nitrogen Regulators, Volt Ohm / Amperage meter, Electronic Thermometer, Temperature Data logger and hand tools.