



# Oceania Engineering Services – Heating, Ventilation, Air-Conditioning & Refrigeration Specialists

## ABOUT US

OES is an Australian owned and operated dedicated HVAC&R engineering service company staffed with highly experienced industry professionals offering our customers expert, impartial and independent advice on all HVAC&R equipment and systems.

We are a design house conversant with all international industry requirements, providing equipment and solutions across all project phases from inception to operation and decommissioning. In addition, we offer hazardous area expertise for IECEx, ATEX, CSA, AusEx etc.

In the oil & gas industry, HVAC is safety and process critical. We bring together recognised industry experts with specialist knowledge and product solutions for the extreme conditions and hazards encountered on process and exploration facilities.

OES are the Australian representatives of Carrier Marine & Offshore, Flamgard-Calidair and Woodcock & Wilson, all industry leading manufacturers of high-specification, high-integrity HVAC equipment. We are also strategically partnered with Aberdeen based Living Quarters Engineering (LQE).

With a proactive and hands on approach from the top down, our select team of specialist engineers and technicians are committed to safe work practices and delivering exceptional service.

**WE BRING TOGETHER RECOGNISED INDUSTRY EXPERTS WITH SPECIALIST KNOWLEDGE AND PRODUCT SOLUTIONS FOR THE EXTREME CONDITIONS AND HAZARDS ENCOUNTERED ON MARINE, PROCESS AND EXPLORATION FACILITIES.**



## HAZARDOUS AREA EXPERTISE

Our Quality Management System is 3<sup>rd</sup> Party Accredited to ISO 9001 and ISO / IEC 80079-34: Explosive Atmospheres - Application of Quality Management Systems for Equipment Manufacture under both IECEx and ATEX certification schemes. We offer hazardous area expertise for HVAC system design and equipment manufacture.

We hold a type approved solution for the modification of virtually any OEM air conditioning / refrigeration compressor to be suitable for Zone I hazardous area use.



## OEM COMPRESSOR MODIFICATION TO IECEx ZONE I / ATEX 2G GAS GROUPS IIA, IIB, IIC TEMPERATURE CLASS T4 $T_{amb}$ -40°C to +55°C



High-integrity HVAC & Refrigeration equipment for marine & offshore applications

## EQUIPMENT

OES offer a full suite of HVAC and refrigeration equipment, including custom manufacture along with supply from all major manufacturers. We specialise in hazardous area applications for potentially explosive gas atmospheres.

We work with the end-user to tailor flexible design solutions providing the operator with safe, reliable, high-quality equipment.

Materials of construction are fit for 20+ year operation in extreme conditions, typically using high-grade stainless steels, optional C5M paint systems and corrosion protection coatings. Sophisticated instrumentation and control packages allow seamless integration to facility safety systems.

We recognise that loss of pressurisation or temperature control can have safety concerns and impact facility operations. Reliability, redundancy and ensuring system integrity during maintenance are key considerations in our design process.

In addition to our bespoke equipment offerings, we hold strategic partnerships with premier manufacturers Carrier Marine & Offshore (for AHU's, FCU's, chillers etc), Flamgard-Calidair (for fire & gas dampers, blast dampers etc) and Woodcock & Wilson (for all fan types, including ATEX & IECEx certified packages).