Total Solutions for the Offshore Industry

Quality Products and Equipment. Unbeatable Services and Safety.
Backed by more than 30 years of expertise and market knowledge, Air Products supplies total solutions to the offshore industry globally. We offer a full range of gases including specialist diving and welding mixtures backed up by specialist offshore equipment, chemicals and services. Commercial divers have come to rely on the purity and accuracy of our diving mixtures; our welding gases are used for the most demanding application and our specialty gases are used in laboratories and national institutions around the world. And safety and quality underscore all we do.

Our Strong Heritage

Our offshore business began in Europe in the early 1970’s with the opening of our first specialist offshore depot in Aberdeen to serve the UK North Sea. Air Products then expanded rapidly around the globe to serve diverse offshore markets. We built our first specialist offshore diving transfill in Asia in Singapore in 1977. Over the last 30 years, we have established a leadership position in Asia’s offshore marketplace. From our regional hub in Singapore we service offshore projects across Asia-Pacific, including Australia, China, India, Indonesia, Malaysia, New Zealand and even Russia.

Our Specialty Gases plant in Singapore is a world-class facility. However it is perhaps our people that make the real Air Products’ difference. They have decades of experience and training and take pride in offering an unparalleled level of service and quality which give our customers complete peace of mind.

Our Diving Gases Help You Breathe Easier

As the world’s leading producer of helium, Air Products offers the most reliable source of quality gases, gas mixtures, chemicals and equipment for dive operations.

From scientific research to the delivery of new offshore energy sources to exploration and mapping activities, the diving industry relies on Air Products to supply helium and helium-based gases to help increase operational efficiencies and enhance safety. We provide helium, heliox, oxygen, nitrox and other breathing gases for the following applications:

- **Heliox**: A combination of helium and oxygen, heliox can help eliminate nitrogen narcosis, reduce breathing resistance at depth, and shorten decompression obligations for sustained operations at depths from 150 ft to more than 2,000 ft (45 to more than 600m).

- **Nitrox**: A combination of nitrogen and oxygen, nitrox is an oxygen-enriched air mixture that aids in the reduction of decompression risk for dives shallower than 150 ft (45m).

- **Trimix**: A combination of oxygen, helium and nitrogen, trimix is used to reduce the disadvantages of breathing high partial pressures of nitrogen on technical dives from 150 to 330 ft (45 to 100m). Used with small amounts of nitrogen, it can help reduce the effects of high-pressure nervous syndrome (HPNS) on deep dives.
Our Welding Gases Bring Improved Quality and Safety

Welding and cutting applications demand a range of high purity gases and mixtures. Air Products supplies a full range of gases for fabrication applications including all of the classic argon-CO₂, argon-O₂, argon-helium-CO₂ mixtures.

Our offshore welding gas equipment is kept strictly separate from the diving and breathing products and is, in common with all of our offshore packages, certified by Det Norske Veritas (DNV), the premium industry association for the global maritime and energy sectors.

In addition to the standard 45-cylinder and 16-cylinder DNV-certified packs, we can also supply DNV-certified cylinder racks or baskets.

Your Ideal Choice: Accredited by Industry Bodies

Our offshore cylinders, packs and tube skids fulfill all the necessary testing certifications required by the offshore industry.

In July 2008, Air Products became the first gas supplier in Asia-Pacific to follow the IMCA (International Marine Contractors Association) Revised Color Code Guideline, IMCA D043-07. This helps customers avoid confusion and improve safety during operation.

Unparalleled Services

In the offshore industry, customers demand on-time delivery and reliable service, especially during the case of an emergency. Equally important is the provision of good follow-up services and documentation.

Many customers have been with us for decades because they know our 24x7 services give them complete peace of mind. We take pride in the fact that in the past 30 years, we have never failed on any emergency call-out by a customer in Asia.

Our after-sales services include providing certificates, equipment tracking and reconciliation reports on a timely basis to meet customers’ requirements.

Nothing is More Important than Safety

Our diving and breathing gases meet stringent quality requirements. We know better than anyone that gas quality is critical, particularly for divers working with high partial pressures at depth.

Our facility in Aberdeen, UK, one of our key offshore industry locations, celebrated 45 years without a single lost-time accident in 2007.

In Asia, our Singapore Specialty Gases facility won the prestigious national Workplace Safety and Health (WSH) Award 2008 from the Singapore Ministry of Manpower and the Annual Responsible Care Awards 2007 from the Singapore Chemical Industry Council. These achievements demonstrate our continued commitment to ensuring the safety of our customers.

Diversified Supply Options

Air Products offers a variety of supply options for helium, oxygen and breathing gas mixtures, with volumes ranging from 146 sm3 to 3500 sm3. Supply options include tube skid modules and 16-, 45-, 48- and 64-cylinder packs.

Most of our products are delivered to diving vessels, barges and supply boats; customers can also collect products from our site or we can export to the customer’s designated destination.
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- **Helium**: A combination of nitrogen and oxygen, helium is used in diving and breathing mixtures for technical dives and mapping activities. Helium-based gases help increase operational efficiencies and enhance safety.

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