

## Commercial Enriched Air Nitrox Training Course

**“Industry has identified that a shortfall exists in the current training available for supervisors, technicians, project managers and divers on the subject of Nitrox as a breathing medium. As professional subsea personnel we need to have a greater knowledge and appreciation of the gas laws and physiological effect that this type of diving has on divers. Considerations have to be made by supervisors and planning teams in mobilising a Nitrox spread and how an emergency may be dealt with.**

**“It’s my opinion that, although Nitrox diving is very simple, a lack of theoretical knowledge by the supervisors and clients is potentially hazardous and does not comply with client requirements in 2014.”**

The use of Nitrox in the offshore commercial air diving industry is common. Before now, there has been no formal training in its use; current training only existed in the leisure diving world. The majority of users learned ‘on the job’ so there was a strong need for assurable competency.

The Underwater Centre, Fort William, has therefore developed an intensive three day course in Nitrox training, covering classroom theory as well as its practical application. The course will ensure those who are trained in its use are competent and confident.

This course gives candidates the knowledge and understanding required to use Nitrox, become familiar with the equipment and also gain a better understanding of the benefits of its use.

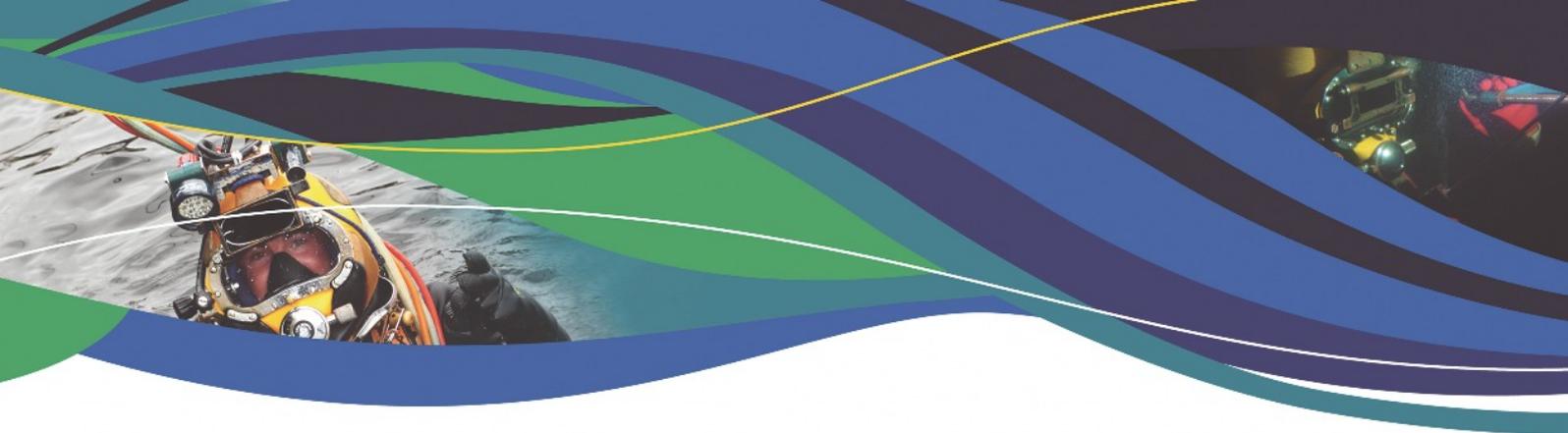
Training is aimed at those who work in the offshore commercial diving industry, including superintendents and members of the project management team, and who use or supervise the use of Nitrox in offshore and inshore commercial diving operations, as well as providing an additional measure of competency for commercial divers.

### Course Features:

- Dedicated dive site and training area specifically created for the delivery of Nitrox training;
- First-hand, practical experience of Nitrox handling;
- Training by the leading provider in the field of commercial diver training;
- Instructional team highly experienced in the provision of training and in commercial diving operations.

### Course Objectives:

- To provide candidates with first hand experience in the use of Nitrox:
  - This three day course will provide those using Nitrox with important, practical experience in its use, as well as being able to understand why it is used and its benefits.
- To ensure candidates using Nitrox in offshore commercial diving operations are competent in its use:
  - This will provide diving and non-diving personnel with a better understanding of the procedures and techniques involved in Nitrox diving.



## Nitrox Course Topics

The Commercial Enriched Air Nitrox Course takes three days to complete, and includes classroom-based theory as well as practical training in our onshore dive tank complex which has been developed to provide dedicated Nitrox training facilities, including an O2 clean room.

The first two days of the course, which are classroom-based, cover the following topics:

- The history of Nitrox
- Potential hazards
- Dalton's Law
- Maximum operating depth
- Oxygen toxicity
- Nitrogen narcosis
- Gas blending
- Oxygen cleaning
- Legislation

The third day of the course includes diving on Nitrox in the Centre's 1.5 million litre onshore tank. This is an important aspect of the training, even for non-diving personnel, as it demonstrates vital procedures and techniques. It is not necessary to dive to successfully complete the course, as long as candidates support the dive; however, candidates in non-diving roles, such as project managers or dive technicians, may wish to experience a Nitrox dive to gain a better understanding of the diver's perspective.

This final day of the course will also include an introduction to the planning implications of operating with Nitrox systems in a commercial environment.

### Please contact us for more details:

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