NEW LAUNCH e-Learning

Surface Supplied Diving using NITROX

Learning Anytime, Anywhere

Overview

Essential for personnel who maybe using NITROX during diving operations

Features

- Illustrated Graphics, Animations, Videos
- Interactive Quizzes and Case Study
- Guided modules

Why e-learning?

- Flexibility
- Accessibility 24/7
- Bite-sized element
- Experienced tutor support

Introduction

Surface supplied diving is sometimes carried out using a breathing gas mix of oxygen and nitrogen with a higher percentage of oxygen in the mix than in natural compressed air. The common industry terminology for such a gas mix is NITROX.

Diving while breathing NITROX has various advantages and disadvantages, one such advantage is that the required decompression time for any particular dive can be reduced in comparison to the same dive using natural compressed air. The technique is normally used to ensure that particular dives can be carried out without the diver requiring any decompression but in other cases is used to ensure that very lengthy decompression is not required.

The dive plan for the use of NITROX needs to consider all the relevant safety considerations of using this technique in place of natural compressed air.

One of the main safety considerations not normally present when breathing compressed air is the increased risk of oxygen toxicity problems, particularly those occurring while the diver is still under water.

Course Overview

This e-learning course is designed for the training of both Divers and Supervisors who maybe using NITROX during diving operations. (Supervisors can then proceed to the NITROX Diving Supervisors' module on successful completion of the Divers course).

The course has been developed using the guidance documents and references provided by International Marine Contractors Association (IMCA), the International Oil and Gas Operators Association (IOGP), USN Diving Manual Revision 6 and industry best practice.

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Course Objectives

- To develop the competencies in using NITROX during diving operations

Course Content

- Safety consideration in accordance to IMCA D014, adequate safety management system, detailed risk assessment (Water Depth, Oxygen toxicity, Emergency Recovery, Contingency Plan, Secondary gas supply) and hazard identification
- Understanding the signs and symptoms of acute oxygen toxicity
- Understanding the signs and symptoms of chronic oxygen toxicity
- Advantages/Disadvantages of using NITROX
- Types of equipment used in accordance to IMCA D023
- Understanding Partial Pressure Gas Calculations
- Understanding Equivalent Air Depth (EAD) Calculations
- Understanding the use of decompression tables related to Equivalent Air Depth (EAD)

Who Should Attend

Divers, Standby Divers, Supervisors and Equipment Technicians, Project Engineers, Client Representatives, Diving Operations Managers, Offshore Medics or anyone who works offshore with diving projects using NITROX as the divers breathing medium (gas).

Entry Requirements

This course is designed to deliver awareness and training competence to anyone who wishes to take the course. On this basis, there are no formal entry requirements, however due to various terms and information used throughout the course, it is strongly recommended that you have an understanding of or have attended formal commercial diver training.

Assessment & Certification

Delegates who have completed the course will be requested to proceed to the online (multiple-choice questions) examination. On successfully completion of both the course and the online examination, delegates will be awarded with a KBA Training Centre Pte Ltd certificate 'NITROX Diver Training Course - eLearning'.