

# AIR DIVE SYSTEM

## SPECIFICATION SHEET



## AIR DIVE SYSTEM

The system is fully self-contained and only requires an electric power to be supplied by the vessel or a standalone generator. The system is compliant with IMCA D 023 Rev 1.

These Nitrox / Air Diving Systems were designed and built in Perth, Australia, in legacy Shelf Subsea's own facility, now DeepOcean.

This air Nitrox / Air Diving Systems were built with the Nuair nitrox generator system to be used on the Chevron Gorgon Project to support the jetty installation. The Nitrox generator eliminates the need for Nitrox resupply runs and the need to carry multiply different mixes to cover all water depths.

## KEY FEATURES

The 20ft container house both Dive control and the deck decompression chamber (DDC). The area is designed and fitted out to provide an efficient work area for the supervisor and is provided with the following:

- 2X DIGITAL VIDEO RECORDERS
- BLACKBOX
- VIDEO OVERLAY
- DIVER COMMS UNITS
- 4X VIDEO MONITORS
- ATMOSPHERIC ANALYZER
- 3X AIR / GAS ANALYZERS
- 60" DDC

## AIR DIVE SYSTEM

The 20ft machinery container house all the diving equipment, workshop, system spares and diving consumables. The container is fitted with the following equipment:

- Quincy 5120 LP Compressor with 210L receiver
- Coltri Tropical HQ Compressor

- Nuair Voyager 4 self-contained Nitrox generator
- HP Nitrox storage - 3 banks of 4 cylinder
- Bauer B-Kool gas chiller to extend filter life, this reduces Nitrox production costs
- Drager Regard gas monitoring system, online gas monitor and redundancy to ensure