

## **M300 – DIVING SATURATION SYSTEM**

### **1. General**

Divex Asia Pacific Pty Ltd. hereby offer the “M300” twelve (12) man saturation diving system, incorporating a twelve (12) man Hyperbaric Rescue Chamber and three (3) man Submersible Diving Chamber (SDC).

### **2. Specifications**

There are 4 main components (pressure vessels) of the system – the SDC, the Main Living Chambers (DDC#1 and DDC #2) and the HRC.

### **3. Testing**

The saturation diving system has been designed, built, maintained and tested in accordance with the IMCA guidelines and certified and witnessed by Lloyds Register of Shipping (LRS)

The pressure vessels are hydrostatically tested to 1.5 times the working depth of 300 metres.

All SDC electrical components are subjected to continuity checks and di-electric checks as applicable.

### **4. General Arrangement**

The saturation system is designed to minimise the number of crane lifts required during the mobilisation and demobilisation of the system

The system has four equipment skids . These skids are designed to carry the diving chambers

(DDC’s), HRC, SDC and handling frames.

A General Arrangement Drawing is shown at Appendix 1- Drg ref M3966

### **5. Power Requirements**

Barge power supply required to operate the diving system and electrical components is 440V AC 60 Hz, triple phase, 600 amps fed through two cables each capable of carrying 300 amps SWL.

Emergency standby power supply required is 440V AC 60 Hz, 3 phase 260 amps, fed through one cable. A 600 amp SWL generator is required to supply emergency power

### **6. Configuration**

As per the drawing attached here



**12- Man Saturation Diving System**

