



# FALCON SUBSEA

MARINE | OFFSHORE | SUBSEA PRODUCTS AND SERVICES



# INTRODUCTION

Welcome to the world of cutting-edge with Falcon Subsea, a premier manufacturer dedicated to providing state-of-the-art diving equipment and solutions. With a rich history of Diving system related engineering and technological knowledge and awareness, we have been at the forefront of innovation and excellence in the diving industry.

The company "Falcon Subsea" is formed to adapt and contributing best in market technology and providing best of its service to the customer, user, Society, Employees and management. The company aims to obtain continuous development by value addition in terms of quality assurance and consistency. Falcon Subsea identifies the opportunity in the market where the quality is maintained with profitability assured by process orientation. The theme behind Falcon formation is to derive new methodology and contribute back to the industry whereby industry and company will be equally benefited. we can provide a detailed design services for a component as well as a full system by ensuring the compliance of the different international standards and rule and requirement. We can also assist client in developing new conceptual designs of a functional system by ensuring the full functional characteristics and FMEA of the system.

## PRODUCTS

Falcon Subsea Offers a wide range of product manufacturing by ensuring the engineering Safety, integrity and the world class requirement of the products. All the products offered has gone through rigorous engineering design and analysis for its integrity and best functionality by ensuring the reliability. It includes following,

### SYSTEMS

- Portable / Fixed Dive Panels.
- Decompression Chamber.
- Diver Communication and CCTV System.
- Containerized air dive systems.
- Launch & Recovery system.
- PVHO or interconnecting Spools.
- Diving Bell.

### SUB COMPONENTS

- Dive machineries.
- Compressors.
- Diver heating System.
- Environmental control System.
- Co2 Scrubber system.
- Cylinder quads.
- Hydraulic Power pack.
- Generators.

### COMPONENTS

- Fittings.
- Manifolds.
- Diver CCTV unit.
- Alarm units.
- Pipeworks.
- Spare Kits.



## DESIGN, AUDIT & FMEA SERVICES

we can provide a detailed design services for a component as well as a full system by ensuring the compliance of the different international standards and rule and requirement. We can also assist client in developing new conceptual designs of a functional system by ensuring the full functional characteristics and FMEA of the system.

We can offer you full services of Design on following

- ✦ Steel Structural Design & Structural evaluation.
- ✦ Diving and Life Support Design.
- ✦ Hydraulic and pressure assembly design.
- ✦ Pressure vessel Design and evaluations as per ASME PVHO-I, ASME Section VIII, PD5500 & other requirements.
- ✦ Electrical drawings and calculation as per international standards.



### Also we can offer the below,

IMCA D023, D024, D037, D040 & D052 Design auditing services.  
FMEA | FMECA of functional system.  
Facilitate Class & Third-party auditing services.

## CONTAINERIZED SYSTEMS

Falcons can build and support,

- ✦ Containerized dive control.
- ✦ Containerized DDC Control.
- ✦ Containerized machinery vans.
- ✦ Office and utility vans.
- ✦ DNV 2.7-1 / DNV 2.7-3 structural.
- ✦ DNV2.7-2 Modules for the offshore useages.



## DIVER HANDLING SYSTEM

- ✦ Dive Ladders.
- ✦ Unconscious Diver recovery Hoists.
- ✦ Launch & recovery systems- for 50 Meter depth.
- ✦ Launch & recovery systems for 75 Meter depth.
- ✦ Classed and IMCA LARS.



## REPAIR AND SERVICES

Falcon Subsea can also provide the support in Diving system Repair & Modification Services by maintaining the full integrity of the system, We can offer you full services on following,

- ✦ In-Situ Machining Corroded Surfaces.
- ✦ Sealing face Stainless steel overlay.
- ✦ Hydrostatic test, 10Year Service.
- ✦ Refurbishment of dive system equipment, Class certified structural frames ( DNV 2.7-1).
- ✦ Structural Evaluation and Hydraulic system refurbishment of LARS / winches.
- ✦ Compressor Overhauling and recertification.
- ✦ Diving bell insulation services.
- ✦ SPHL Fiber glass polishing services.
- ✦ Periodic Maintenance & Load testing of Structural frames,
- ✦ DDC view port renewal.
- ✦ Thermal Balance testing.
- ✦ Cylinder Internal Inspection.



## CYLINDER QUADS

- ✦ Cylinder quads are available in the 9, 12, 16, 24 & 64 configuration.
- ✦ DNV2-7-1 Design compliance for structural integrity.
- ✦ Certified lifting Sling with each cylinder quad.
- ✦ Stainless Steel or Tungum tubing - As per Oxygen Usage Application.
- ✦ Quad configuration (No of banks, Inlet , Outlet) as per client request.



## PVHO MANUFACTURING

Falcons can undertake the Design, manufacturing & Certification of pressure vessel for human occupancy. Falcon is capable of offering the following.

- ✦ Classed and IMCA Complied pressure vessels.
- ✦ Interconnection spools and anges.
- ✦ SPHL mating spools with clamp and interlock arrangements.
- ✦ Receiver tanks.
- ✦ Electrical and pressure fit out of the chamber as per General client, IMCA or class requirements.



## PORTABLE SYSTEMS

Falcon Subsea Offers a wide range of product manufacturing by ensuring the engineering Safety, integrity and the world class requirement of the products. All the products offered has gone through rigorous engineering design and analysis for its integrity and best functionality by ensuring the reliability. It includes following,

- ✦ 2 Diver portable panels with CCTV system.
- ✦ Portable Diver CCTV System.
- ✦ 3 Diver portable panels.
- ✦ Scuba Replacement packages.
- ✦ Oxy-Acetylene Burning Rigs.



## ASSET MANAGEMENT

Falcon can take care of your marine assets and do the following services

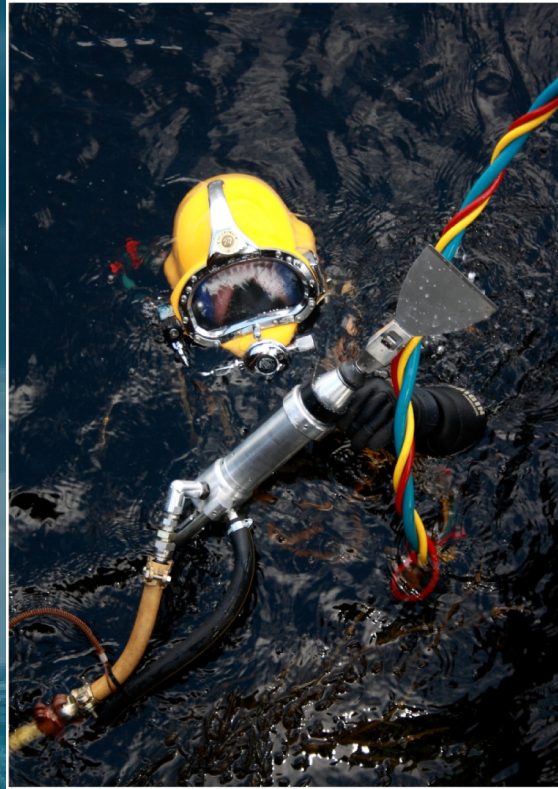
- ✦ Safe Storage of assets under security surveillance.
- ✦ Planned maintenance as per OEM instructions.
- ✦ Preservations and storage.
- ✦ Mobilization and demobilization assistance.



**Fabrication & Welding:** Falcon Subsea provides an extensive range of fabrication & welding related services by ensuring the full compliance of the different standards, certification & class requirements. We offers Steel Structural fabrication, Container modifications , Insulations & fit outs. Class Approved systems (with ABS, DNV, Lloyds , BV etc.)







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