



Dive System and HRF System Support

Project Support

OOS supply and manage standalone projects such as re-commissioning of all types of sat and air dive systems, welding systems and specific projects where diving and construction expertise are required.

Currently, Orca offer expertise for the following situations:

- Equipment mobilisations
- Drydocking scopes of work
- Dive system maintenance periods
- Dive system modifications and reactivation
- New build vessel system installation support
- In addition to project support services for complex and technical saturation and air diving operational projects

Orca will supply a detailed project plan for any of the above scenarios which will include procurement schedules, personnel requirements for the project, timelines and milestone dates, third-party company targets, equipment hire, client tasks and budget control for all OOS deliverables.

Technical Personnel Supply

Orca supply additional personnel of various disciplines to complement and enhance our clients' current team and add expertise to support current projects without the need to source and secure these individuals on a permanent basis. All technicians supplied by OOS are of a high standard as noted in their "technical competency rating" as measured against the OOS training scheme. This "record of competency" has been implemented by OOS to ensure that we supply technical personnel with skill levels of a high quality to our clients.

In addition to supplying specialist personnel OOS on a dedicated basis OOS can also let our clients draw from our in-house team for review and generation of specific procedures, plans of works, project schedules.





Project Track Record Extract: Boskalis DaVinci Bell Handling System Modification

The configuration for control of the twin bell handling system installed on the Da Vinci requires to be upgraded to allow for emergency recovery of both the port & starboard diving bells from one of two designated positions on the forecastle deck.

The present configuration only allows for operation of the system from the Dive Control room situated on the shelter deck, but it does not take in to consideration a catastrophic failure inside the dive control that would require all personnel to totally evacuate the room.

The system upgrade allows the operators to plug in a remote-control panel to either the port or starboard emergency connection junction boxes and carry out a full recovery of the diving bell from subsea back to the dive system complex.



The system upgrade consisted of the following:

- Installation of additional transit frames & cable trays where required at various points in the system.
- Installation of 2 x emergency JB's (plug-in points for remote panel)
- Installation of additional cables as required for upgraded system
- Wiring modifications carried out to Dive Control 2 x Bell Handling control panels
- Removal of existing 2 x HPP JB's on forecastle deck and replace with new connection JB's & relay panels.
- Full function test of system in normal & emergency scenarios.