

## Electrical Services

OOS added a dedicated Electrical Engineering Division with the inclusion of David Clark joining the team in late 2018 firstly supporting a habitat electrical design scope and subsequently as a company director and head of the newly formed electrical division within OOS.

With our new facilities in Aberdeen, we have the in-house capability to offer the full spectrum of electrical services I previously offered as MES;

- Design, Fabrication and Installation of Bespoke **Control Panels**
- Installation and Commissioning of **Back Deck Equipment**
- **Interfacing Project Equipment** to ships electrical systems and Infrastructure
- **ATEX Design, Manufacture and installation** of systems as per client and industry specifications
- Supply and Management of **Electrical Technicians** both Onshore and Offshore
- **System Modification and Modernisation** from Initial SIL assessment through, design, fabrication, installation and commissioning

## Electrical Products

**Motor Alternator Sets / MA Sets**

**Control Panels**

**Power Distribution Panels**

**Monitoring Systems**



#meetOOS

**Career Highlight:**  
Being sent to worldwide destinations to do a job that I loved doing anyways

**Most Memorable Job:**  
Setting up a diamond dredging ROV on board a vessel in Cape Town and mining offshore Namibia

**When I'm not working I'm...**  
Enjoying a good book, some TV, socialising with family and friends

**David Clark**  
Electrical Manager  
Orca Oceanic Systems



## Project Track Record Highlight Project Boskalis DaVinci Bell Handling System

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.**