

## **Caissons & Conductors**

CONDUCTOR STABILISATION



**ASSET** LOCATION FIXED PLATFORM **TEAM** NORTH SEA

4 PERSON (MULTI - DISCIPLINED)

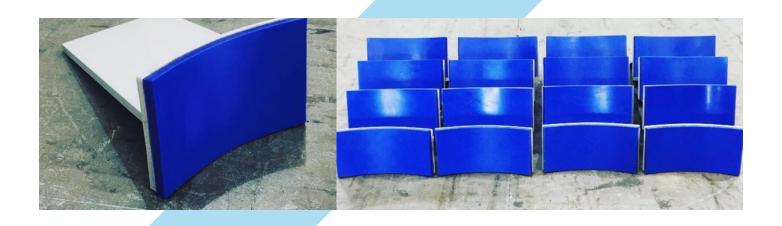
**DURATION 5 WEEKS** 

### PROJECT OVERVIEW

Survey, design, fabrication and installation of custom AquaShim stabilisation brackets at +31m level restraining multiple conductors to prevent further fretting damage and deterioration.

### **SCOPE OF WORK**

- Client approached AquaTerra to provide a solution to stabilisation issues being experienced at the +31m level on 18 conductors. The existing fabricated stabilisation brackets were causing fretting damage to the conductor and had backed off resulting in excessive movement.
- Survey and engineering design of upgraded AquaShim stabilisation brackets
- Conduct CVI of conductors, with particular attention to fretted areas
- Provision of restraint rigging and necessary lift plans
- Surface preparation of conductors prior to installation
- Removal of old brackets and installation of upgraded brackets on x18 conductors





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### **CLIENT CHALLENGES**

- Work required no disruption to well operations work on live wells
- · Complex access and centralisation of conductors whilst stabilisation removed
- Multi-discipline scope including Mechanical, Inspection and Rigging Underdeck Access required necessitating standby cover





### **AQUATERRA SOLUTIONS**

• Improved design included larger bearing face with AquaShim® wear pads to protect fretted area and prevent further deterioration whilst ensuring durability

#### **ADDED VALUE**

- ✓ Installation of access platform completed on schedule and without any unforeseen disruption to other ongoing activities
- ✓ DROPS-free multi-level working capability enabled by QuikDeck® enhanced productivity whilst maintaining the highest safety level



