

PROJECT INTRODUCTION Platform Repair Micro Habitat

DCN was contracted by an Oil & Gas operator to develop a hyperbaric repair methodology and system in order to permanently repair several cracks on braces of an existing platform in UK waters.

The operator attempted to repair the crack with a conventional habitat and other habitat systems and was not successful. Therefore DCN had to develop a system and proof it with through a rigorous testing regime. After this was successfully achieved in DCN's hyperbaric and Wet testing facility in Bergen op Zoom the system was brought offshore to conduct the final repair.

Discipline

Offshore Saturation Diving, Hyperbaric Welding

OUR EXPERTISE

-  Air and Sat Diving
-  Hyperbaric / Wet Welding
-  ROV Operations
-  DSV Supply
-  Subsea Engineering
-  Subsea NDT IRM
-  Creating Dry Space UW
-  Underwater Concreting



DCN AT A GLANCE



OPERATIONS

Worldwide with a focus on North Sea, WAF, UAE and SE Asia.
Offices in the Netherlands (headquarters), UK, Germany, Abu Dhabi and Kuala Lumpur. Bases in the Netherlands, Abu Dhabi and Singapore.

CERTIFICATION

ISO 9001 – 2015,
ISO 14001 – 2015,
ISO 45001:2018.
SCC / VCA**
FPAL (Verified)
IMCA
In-water Survey Certification

HSE

Strong dedication on ZERO harm to people and environment.
LTIFR- 0 (IMCA 0,42)
TRIR – 0,72 (IMCA 1,67)
FAR – 0 (IMCA 0,93)
Env. 5L – 0 (IMCA N/A)

PEOPLE

90 FTE's including 32 supervisor / divers.
Flexible group of core freelance personnel.
Focus on inhouse development, knowledge sharing / training / lessons learned.



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PROJECT

Platform Brace
Repair

LOCATION

UK Waters

WATER DEPTH

Ranging from depths
of 43 - 74 MSW

PROJECT DURATION

June 2018 - June
2019

VESSEL & System

DSV with integrated
12-man Saturation
System, Light
Workclass ROV
SeaEye Cougar.



SCOPE OF WORK

DCN was contracted for the
following scope:

- Development and Fabrication including FAT of Micro Habitat system
- Conducting welding procedure and Diver Welder qualifications in DCN's Hyperbaric and Wet Test Centre
- Mobilization of Welding Spread and Team on DSV
- Subsea preparatory works such as cleaning and work platform installations
- Installation of Micro Habitat
- Repair works at 4 locations on the platform consisting of excavation, hydro-arc gouging, pre-heating, welding according to weld procedure
- Subsea NDT
- As-left Survey



PROJECT ACHIEVEMENTS

- ✓ AVERAGE 9.7 FPAL CUSTOMER FEEDACK
- ✓ COMPLETED WELL WITHIN SCHEDULE
- ✓ ZERO LOST TIME INJURIES AND ENVIRONMENTAL LOSS
- ✓ DEVELOPED NEW GROUNDBREAKING SYSTEM WHICH CAN BE USED FOR SEVERAL APPLICATIONS IN THE SUBSEA INDUSTRY