

## OFFSHORE STAIRCASE REPLACEMENT NORTH-WEST SHELF, AUSTRALIA

The work scope involved replacement of an existing staircase. The primary structural steel had to be cut off and replaced. To gain access to this area the work crew had to cut through stainless-steel cladding and handrails. The accommodation walls needed to be cut in order to allow for new steel to be installed. To protect the accommodation area habitat technicians had to ensure a positive pressure differential was maintained for the duration of the scope. In total, 3 habitats were installed and maintained over a 4-week period.

### PLANNING

Our technicians worked closely with the client's maintenance and scaffolding teams to ensure weather conditions did not interfere with the functioning of the habitats. Detailed planning was also required to ensure pressurisation of accommodation during hot work.

### THE CHALLENGE

The work took place in height of summer with temperatures above 40°C, so we needed to keep the internal temperature chilled to 20°C using a SafeCool air conditioning unit. The area is also prone to high winds as it was situated over the side of the platform.

### OUR SOLUTION

Detailed planning allowed for the habitat to be set up in a way that it was not affected by the exposed location. SafeCool unit and insulated panels were used to ensure productive ambient temperatures inside the habitat. Multiple in-line Gas Sensing Monitors were used to provide ample over-pressure of the habitat and accommodation, thereby eliminating risk of gas ingress.

### THE RESULTS

The Client carried out an audit of the project during the red-hot work scope, the Habitat component of the audit coming out with zero corrective actions. All work was successfully completed ahead of schedule with no fatigue issues for workers. No loss of production for the operator.



### STATISTICS

20°C

INTERNAL HABITAT TEMPERATURE

40°C

AMBIENT TEMPERATURE