

## OFFSHORE HOOK UP & COMMISSIONING, NORTH-WEST SHELF, AUSTRALIA

This major hook-up & commissioning project included the design, installation, and management of multiple modular, pressurised, climate controlled hot work habitat systems, all of which would be built and dismantled in quick succession to allow for hundreds of hot work welds to take place across the facility. Safehouse also provided training to client personnel to assist our habitat supervisors and technicians on the facility. Safehouse provided 5 sets of habitat equipment with SafeCool® air conditioning units as well as a large variety of bespoke hazardous area equipment that was required by the newly constructed facility.

### THE CHALLENGE

This was the end user's first major offshore hookup & commissioning project in Australian waters. They faced significant time pressures to have the facility operational and producing following construction cost blowouts in the preceding years. Hundreds of hot work scopes were required to be completed within an 8-month timeframe.

### OUR APPROACH

Project planning included Safehouse project management integration with two tier 1 contractor project teams ensuring Safehouse could meet the demands of the hook-up & commissioning schedule. Risk assessments and construction schedules were developed, and we were able to offer planning advice, drawing on experience from similar sized scopes in the past.

### OUR SOLUTION

Execution phase included provision of 5 large modular habitat systems complete with IECEx-certified ventilation, gas detection, lighting, power distribution and climate control equipment with 4 technicians on a 24/7 schedule. Custom 3Ph power distribution boards and extension leads were manufactured to suit on site specifications.

### THE RESULTS

In total, 78 pressurised habitats of various sizes were built over the 8 months on site. Each habitat system allowed for difficult penetrations and sealing to ensure full encapsulation took place at each hot work location. The use of AC units with each habitat ensured maximum productivity for the hot work teams, and lead to the successful hook up and commissioning of the facility.

### CLIENT TESTIMONIAL

"From start to finish, the way the Safehouse team conducted themselves was exemplary. They were very accommodating during the planning phase, with a very strong focus on project risk assessment to pioneer a new way of work on a hook up project. Safehouse assisted in the development of our construction schedule, providing estimated durations for their work scopes based on lessons learned from similar projects. Special mention must be given to the technicians on site, who faced schedule and habitat-build changes on a regular basis, and they always adapted to ensure each scope was completed without incident and in a timely manner. This highlighted to us the importance of experience when it comes to undertaking a project of this magnitude, with the Safehouse depth of knowledge unparalleled in Australia."

### Client Project Manager

### STATISTICS

**78**  
PRESSURISED HABITATS  
INSTALLED AND MANAGED

**13,800+**  
LABOUR HOURS

**0**  
SAFETY INCIDENTS

