

SAFEHOUSE

BY ELEMERA

MAJOR BROWNFIELDS REDEVELOPMENT NORTH-WEST SHELF, AUSTRALIA

At the time, this had been the largest offshore project ever undertaken on the North-West Shelf, as well as being the largest habitat enclosure project undertaken by Safehouse in Australia. The project included significant structural upgrades required to an existing 'A' gas platform, in readiness for tie-in to a completely new platform known as 'B' platform. Once complete, two bridges, both approximately 110m long would connect the 'A' and the 'B' platforms. Large scale structural strengthening was carried out to allow for new bridge installation and additional modules. Complex areas for encapsulation, many in close proximity to high temperature (300°C) exhausts. The use of Safehouse Habitats, along with highly trained Safehouse technicians, ensured that hot work could be carried out on the 'A' platform without any loss of production.

THE CHALLENGE

The primary challenge with this project was keeping the facility operational during the construction and hot works to avoid loss of production.

Intense heat and humidity from the tropical environment, nearby hot process and heat produced from hot work posed a significant challenge for productivity and a risk to personnel from heat stress.

OUR APPROACH

Ongoing planning was required; working closely with the client's projects and operations teams to ensure each of the 152 habitats required were surveyed and planned, with constructability reviews, HAZIDs and risk assessments carried out for each. Bi-monthly forecast meetings were established to ensure sufficient equipment and manpower was always available.

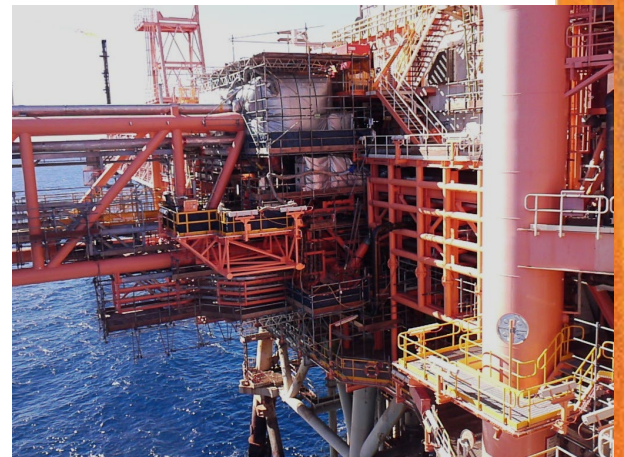
OUR SOLUTION

Safehouse supplied multiple modular habitats, over a 27-month period, to allow for varied and complex construction and hot work to take place, with minimal impact to ongoing production of the 'A' platform. Safehouse also utilised the newly designed 22kW SafeCool units to manage the environment and mitigate heat stress risks.

CLIENT TESTIMONIAL

'I would like to take this opportunity to thank Safehouse for their efforts in allowing us to complete red hot work activities on 'A' during the past two and half years. The offshore installation team with support from Safehouse have carried out over 80,000 hours of welding activities on this live facility without serious incident. This achievement has been successfully carried out without impact or disruption to hydrocarbon production.'

Asset Superintendent, [Client]



STATISTICS

152

PRESSURISED HABITATS

80000+

LABOUR HOURS

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SAFETY INCIDENTS