

# System Scaffolding Offshore



<b>Client</b>	Major UKCS Operator
<b>Project</b>	Access & support for crane boom change out
<b>Location</b>	Offshore – Northern North Sea
<b>Size of Contract</b>	Compact
<b>Duration</b>	3 weeks (scheduled for 6 weeks but 50% reduction in build time)
<b>Outcomes</b>	<ul style="list-style-type: none"> <li>Crane boom changeout completed ahead of schedule</li> <li>Reduction in man-hours and materials</li> <li>Far higher strength to weight ratio</li> <li>Increased safety during erection and dismantle</li> <li>Client very pleased with project</li> </ul>

- Innovative design for support steelwork frame allowed boom to be “skidded” long support scaffold using high capacity skates
- Steel spreader beams at base allowed load to be transferred directly to supporting beams below deck plate
- Scaffold designed to support full wind load (100 mph+ gust speed) on crane and scaffold meaning safety in all weather conditions

### IN ADDITION

- Expert HAKI trained and experienced workforce were sent to rig to deal specifically with this work scope meaning reduced downtime and a highly focussed scaffold team
- Worked alongside core scaffold team ensured permits were ready prior to work commencing
- Having the core scaffold team trained in HAKI erection and inspection allowed them to inspect the scaffold and dismantle once works completed

Initial estimate using traditional scaffold materials and core scaffold team was 50% longer erection time, with similar increases on dismantle and material weight/volume. The client was very impressed with the erection efficiencies, safety and the attitude and work ethic of the expert scaffold team. The crane went back into service ahead of schedule.

### PROJECT OVERVIEW

Altrad were tasked with competing a critical support and access work scope for a major North Sea operator on the platform crane:

- Single crane platform – critical for day to day operations
- Altrad working to integrated plan in conjunction with other operators
- Crane non-operational for duration of work scope

### ALTRAD SERVICES' SOLUTION

- HAKI system scaffold was utilised to maximise efficiencies (50% reduction in man-hour), increase erection safety (advanced guardrails) and increased strength (20 tonnes capacity per upright compared to 3-6 tonnes with traditional scaffold)
- 2 Scaffolds erected to enable support of both old and new crane booms simultaneously
- Full 19 tonne weight of each boom supported by scaffold
- Innovative design gave 3.05m width on deck but 5.55m wide access platform at top using cantilevers – saving valuable deck space for platform containers

### ABOUT ALTRAD SERVICES

Altrad Services is an international leader in the provision of critical industrial services principally to the energy and natural resources sectors.

Our multi-disciplinary service offering includes access systems, insulation, specialist coatings, passive fire protection, refractory linings, environmental services, oil and gas storage tanks and heat exchanger replacement and refurbishment.