

SUBJECT: HOOK UP AND COMMISSIONING
PROJECT SUPPORT

OUR TEAM: 8-PERSON

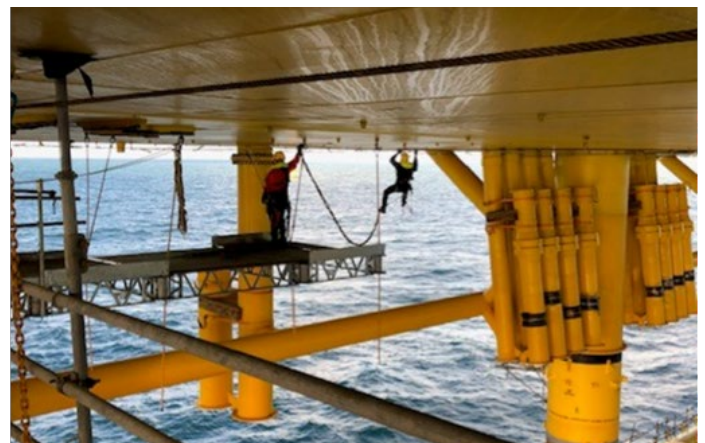


PROJECT OVERVIEW:

AquaTerra were selected to support the hook-up and commissioning phases of a high voltage direct current (HVDC) station on location offshore, Germany. The project was a complete turnkey construction package including, LOLER lift planning and work pack development, the supply of rigging and construction equipment, completion of rigging operations, removal of transport steel and welding repairs, insulation and ducting repairs and the installation of electrical systems and fault identification.

KEY CHALLENGES:

- Underdeck walkways with traditional scaffolding not possible due to flat underside of the installation
- Tight planning and execution timelines coupled with the mobilisation of large amounts of equipment and personnel to both Dubai and Germany.
- Complex rigging and lifting requirements with no under-deck walkways



TURNKEY OFFERING:

- Work pack and LOLER lift plan development
- Work scope completed using rope access and QuikDeck platform
- Welding repairs
- Installation of caissons and J-tubes
- Insulation, coatings and HVAC repairs
- Removal of redundant steel work and temporary boat landing platform
- Installation of CCTV Cameras
- Installation of electrical cables and electrical fault finding

AGILE APPROACH:

- Quikdeck and catenary wire access installed onshore in Dubai prior to sail of topsides to allow immediate underdeck access post topside heavy lift
- Bespoke rigging assembly created for hanging QuikDeck from pre-installed pad eyes
- Operational continuity a priority and the speed at which the rope access, rigging and QuikDeck equipment was installed allowed client to progress critical path activities
- 250m² Quikdeck implemented where no other feasible access solutions were brought forward. A further 250m² Quikdeck mobilised and installed offshore Germany to cover unexpected growth in work scopes
- Working to extremely tight planning and execution timelines due to unexpected growth in work scope



ADDED VALUE:

- Multi-disciplined crew allowed for rigging and bolting activities to be undertaken by single team, reducing bed space requirements
- Use of AquaTerra Gemini software to facilitate rapid mobilisation and management of large volumes of equipment
- Qualified multi-disciplined teams competent to move into the commissioning phase without having to change out personnel, significantly reducing mobilizations, inductions, and offshore familiarisations

YOUR TOTAL CONSTRUCTION TEAM

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