

# MSD Design Ltd

Rig Upgrades - Ideas to Install



BOP Access Deck

## ENGINEERING SUPPORT VITAL TO NORTH SEA OPERATORS

MSD Design Ltd was contracted to provide engineering support for a number of proposed upgrade projects for a Mobile Drilling Unit (jack-up). The initial scope was to provide onsite surveying and reporting along with design proposals and complete with Basis of Design documents for each project.

MSD Design Ltd was thereafter contracted to complete the detail design work on a number of areas, including:

- Crane Foundations
- Helideck Netting Support
- Equipment Room Structures
- Support Structures
- Soundproof Enclosures

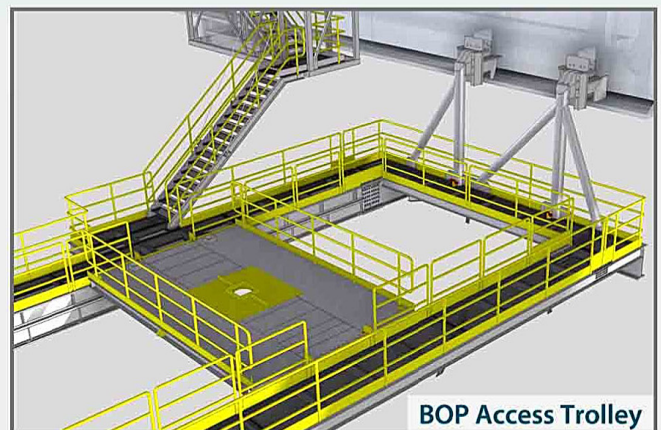
Detailed proposal drawings were produced for all these projects in association with surveys and Basis of Design. All projects were defined to suit shipyard works.

MSD Design Ltd provided onsite engineering support and liaised with DNV for design approvals for the duration of all the projects.

MSD Design Ltd also produced concept designs for a Cantilever Dropped Object Protection Deck and the detailed design package for this project including Fabrication Drawings, Structural Calculations and DNV Liaison.



Access Stairs and Bumper Bars



BOP Access Trolley

SURVEY

DESIGN

MSD Design Ltd also received a number of contracts for supply of access stairs and BOP access trolley. MSD successfully designed and fabricated the BOP access deck within a four- month timescale

Prior to the rig leaving the shipyard MSD Design Ltd was involved in upgrades that the rig required to operate in the Norwegian sector of the North Sea, which included:

- Access Stairs
- Bumper Bars
- Winch Foundations
- Work Platform Supports
- Vent Line Modifications

All surveys, manufacture and installations were carried out within a month. These reduced timescales are a testament to the skill level of the MSD designers, project management and our manufacturing and installation team.

## IDEAS TO INSTALLATION IS HALLMARK OF COMPANY'S SUCCESS

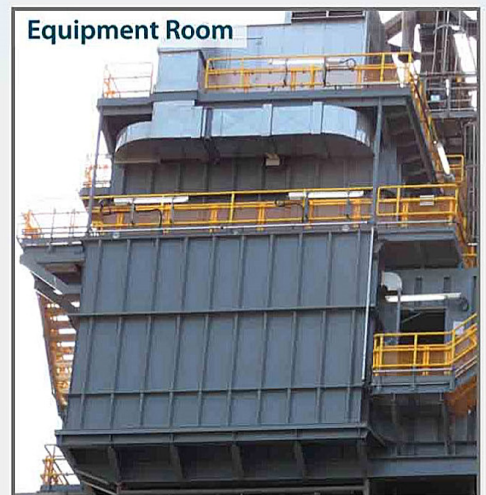
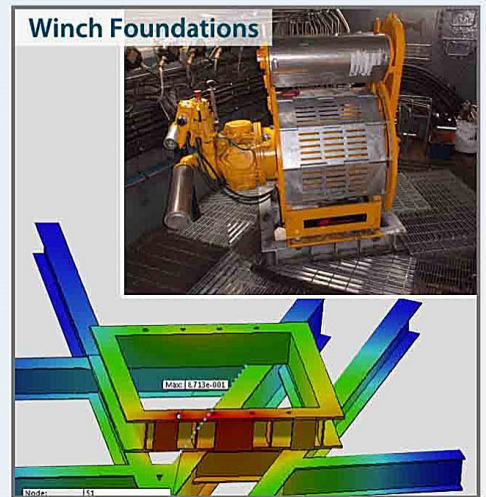
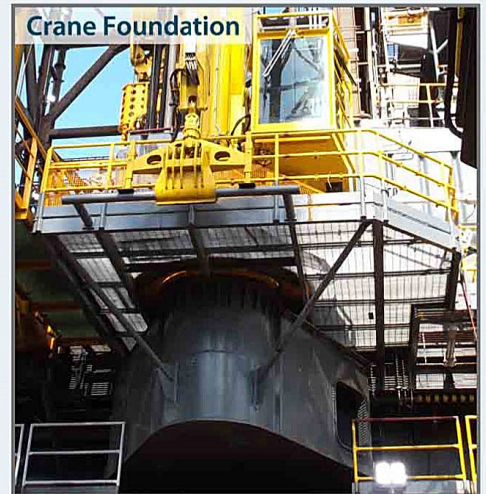
MSD Design Ltd has carried out many successful contracts throughout the world since its creation more than 20 years ago.

Bespoke design service sets the company apart from its competitors and clients receive a unique, tailored service. The company inherently understands the oil and gas industry and has the ability to react quickly and effectively to clients' wishes.

Indeed many of the projects it is currently involved in are unique, one-off designs or adaptations of existing solutions to suit client requirements.

MSD Design Ltd has a back catalogue of almost 25 years of design work to call on and this is particularly useful at a time when clients are seeking to reduce their costs wherever they can. It also has a close network of third party suppliers and designers it can bring in to increase its knowledge base.

Reacting to clients' needs at short notice is the company's particular expertise. From the initial draft to final delivery, MSD Design Ltd is truly the 'ideas to installation' company.



**MANUFACTURE**

**INSTALLATION**

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