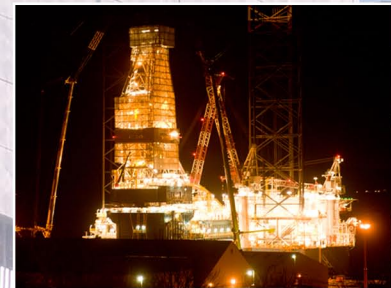


ROWAN VIKING

MSD Design Ltd were contracted to design, manufacture and install heat shielding on the new Rowan Viking Rig. Rig programme was extraordinarily tight with the unit arriving on the Firth of Tay just after New Years Day 2011.

MSD Design Ltd safely and successfully installed the complete heat shielding package on schedule and on budget by the end of March. Areas which were clad included the entire derrick as well as a couple of the crane rooster tails and an exposed lifeboat. MSD Design Ltd are proud of their safety record during both manufacture and installation and indeed all tasks, including a tandem quayside crane lift for the 34 tonne crown block structure, were completed without incident.



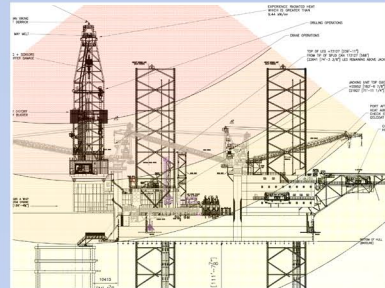
Rowan Viking during installation at night



Starboard Lifeboat Shield



Crown block heatshield structure weighing 34 tonnes during installation tandem crane lift



Radiation study - Elgin blowdown



ROWAN GORILLA V

Prior to deployment on station over the drilling platform adjacent to the main Elgin PUQ, client contracted MSD Design Ltd to design and manufacture heatshielding for the Derrick and other areas on the rig. Elgin PUQ is subject to severe heat radiation during a blowdown and people, plant and structures are vulnerable to damage at such times.

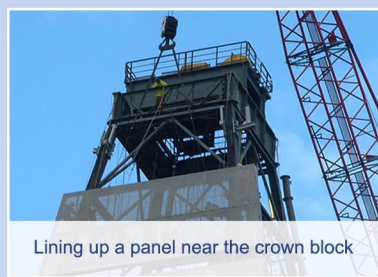
MSD Design Ltd designed, manufactured and delivered the panels and sub-structures to Rotterdam where they carried out the installation works.

MSD Design Ltd clad the derrick (complete), one lifeboat and two crane rooster tails with the heat shielding arrangements.

Safety, efficiency and adherence to programme were paramount goals during installation.



Heat shielding partly installed above the monkey board



Lining up a panel near the crown block



Lifeboat shields on the RG V