

# ENGINEERING & DESIGN SERVICES FOR ENERGY INDUSTRIES

- Full in-house engineering team
- Innovative and cost effective designs
- Quick response to meet project deadlines
- Complete control of design, build, test and delivery
- Solutions which meet & exceed applicable international standards



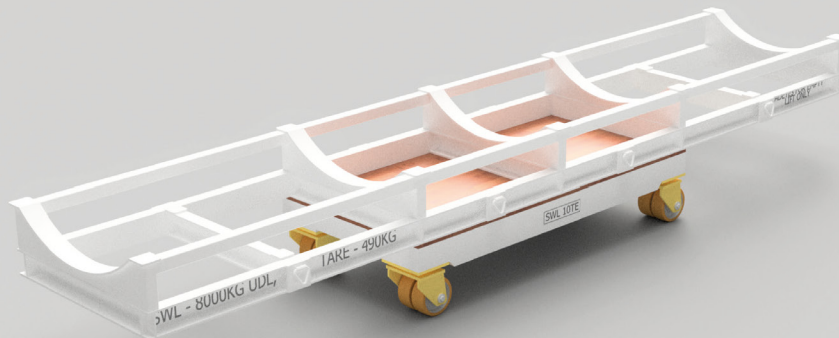
Bespoke Workshop Container Fit Outs



Scissor Lift Tables



Davit & Floor Cranes



Heat Exchanger Bundle Transportation Trolleys

Design | Build | Test | Supply

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## SOLUTIONS FOR complex handling, lifting & rigging challenges!

Despite the backdrop of a challenging business environment Safelift Offshore have continued to invest in the expansion of the company's Design & Engineering resources, which complement & enhance their proven manufacturing expertise developed over 25 years in business.

Perhaps, at this time more than ever due to reduced manning levels & diminished industry knowledge, Safelift Offshore are supporting their customers by delivering safe and effective engineered solutions through concept, design, build, test and supply.

Every day Safelift Offshore find themselves in discussion with people working at the sharp end of handling & lifting operations, interacting with technical authorities and safety departments from one company to another, to specify and optimise a solution to overcome a specific handling problem.

"Having a business partner with a collaborative, fresh & innovative approach to solving often very complex & specific handling, lifting or rigging equipment and challenges within multiple energy industries is of paramount importance" observes Hugh Ramsay, Group Sales Manager.

"This is where Safelift Offshore excel because of constructive dialogue with the customer and a proven willingness to complement their own efforts to achieve the best outcome in terms of the performance, safety & versatility of the equipment they need to utilise for a particular application or work scope", he adds.

Two recent Case Studies are demonstrative of the company's abilities to routinely deliver these sort of product solutions >>



"These examples highlight Safelift's breadth of experience in providing our customers with an initial conceptual design, which can then be fully engineered, fabricated, load tested and factory or field tested to provide an advanced product that's wholly suitable for any technically demanding usage and, moreover, we regularly turn-round such projects within a short space of time as the customer's schedule demands" the company remarks.

In addition, Safelift Offshore continue to facilitate international Greenfield and Brownfield technical procurement, providing full material handling equipment packages & working closely with EPC contractors worldwide. Through Safelift's engagement at the FEED stage they are able to influence optimal product selection and promote industry best practice thus ensuring safe, practical and fit for purpose equipment is specified at the outset enabling effective utilisation of the company's industry leading knowledge.

### Hugh Ramsay comments:

"The development of new products or the focus on project solutions utilising our in-house design and engineering specialism and long experience has meant we are consistently positioned at the forefront of the lifting and mechanical handling industry and engaged with multiple energy sectors. This approach helps differentiate Safelift in today's business environment".

### Case Study 1 : Davit Crane : New-Build FPSO

**Challenge :** The customer required a solution to enable Pigs to be handled & lifted within the mooring turret complex on a new-build FPSO project. The equipment design had to be explosion proof for use in an ATEX Zone 1 hazardous area and be in full compliance with NORSOK R-002 & their own strict project specification.



**Solution :** Design and supply a pedestal mounted fixed Davit Crane incorporating a manually activated hydraulic hand pump enabling the jib to be extended or retracted and moved up or down; provision to swivel 360°; special user benefits included a steel overlapping weather cover protecting the bearings against water ingress, a Plaswood hook buffer preventing steel on steel contact when winching & removable handles to let the operator achieve sufficient torque to rotate the crane under load.

### Case Study 2 : Special Open Top Container : Nuclear Power Plant Decommissioning

**Challenge :** The customer required a safe method of handling, transporting and storing 3-off radioactive steel flasks as part of their work scope on a Nuclear decommissioning project. The flasks could only be loaded from above & then have to be kept securely inside the container for a number of years until such time as they can be safely disposed of.



**Solution :** Design and supply a 20ft x 8ft special build Open Top Container with a reinforced base structure, guide plates to help position the 3-off steel flasks & total payload not exceeding 28 tonne; to be lifted from the bottom ISO corner castings; special user benefits included 2-off personnel access doors for inspection requirements and a bespoke 4-part sliding roof system for loading and unloading the equipment & designed to be operated and locked in place from ground level and incorporating all relevant weather seals and rain reflectors to prevent water ingress; the unit was supplied complete with a proprietary 3-coat offshore paint system plus all necessary safety markings and stenciling.

