



Offshore Lifting Studies

Offshore lifting studies

Cost saving opportunity

Choose our simulation studies ahead of your offshore installation or modification projects in order to save money.

Thanks to our hiCRANE Offshore simulators and 3D visualization technology, first we pre-test 1-to-1 the realism of your offshore environment and additionally we carry out concept screening, pre-engineering and pre-planning for offshore lifting. For example, we can check all your lifting procedures and planning, dimension and weight design, dead zone, crane location, lift of items and safe loading limits. Your operation safety and feasibility will be checked and costly delays will be avoided.

Second we have a unique environment to share the results with you. With our powerful and customized visualization tool, all concerned people can easily view the project steps at the same time. So lifting issues and decisions can be discussed between all participants efficiently with our support. Open to changes, we can modify your options in our real-time simulator, allowing your debate to be quicker, more productive and ending with the optimal solution. You usually have better suggestions to solve problems when you see it and if your features do not fit together, we will detect it immediately in our simulator.

Instead of endless meetings with the different teams involved in your project, we offer you the most profitable way to check your operational planning and schemes, to identify and solve your potential issues and to share the results with the operational teams. You save time through better planning and procedures, and you reduce risk through better understanding of the tasks.

Moreover, we deliver a full visual work book after each completed 3D study. As a report, it helps you follow up and share conclusions with people involved.

Unique environment

Our center in Stavanger (Forus), Norway, offers you the best facilities to perform your 3D studies. Our facilities have a 72-seat auditorium with two hiCRANE Offshore simulators and additional meeting rooms, where we perform our 3D offshore lifting studies together with our customers. Our advanced simulators display highly realistic equipment performance for offshore installations.

Our 3D visualization of the simulator also enables you to use our rig model during the different project phases, from concept through to final design and as-built hand over. The various teams have a 3D view of the as-built platform and use it as facilitator for design reviews, re-development reviews, hazard operations and other risk studies related to offshore installations.

Additionally, the environment can be used for familiarization on the rig as well.

Plan Check

- **Design:** new or modification
- **Concept screening**
- **Pre-engineering**
- **Pre-planning**
- **Engineering and planned working procedures**
- **Assembly sequence:** dimension and weight
- **Complicated installations:** operational interference and conflicts
- **Crane operations:** working "line of sight", ability to reach landing areas, staying within the operational working zones, crane location, safe loading limits, etc.

Some clients using hiCRANE Offshore

- **ConocoPhillips**
- **BP**
- **DONG**
- **Shell**
- **Talisman**

About OILTEC Solutions

OILTEC Solutions is an experienced global market leader providing simulation technologies to the Oil & Gas and Crane industries.

For more than two decades OILTEC Solutions has delivered high quality software, turn-key simulators, top-end training -to thousands of students- and 3D simulation studies to leading oil & gas, marine and port customers around the globe.

