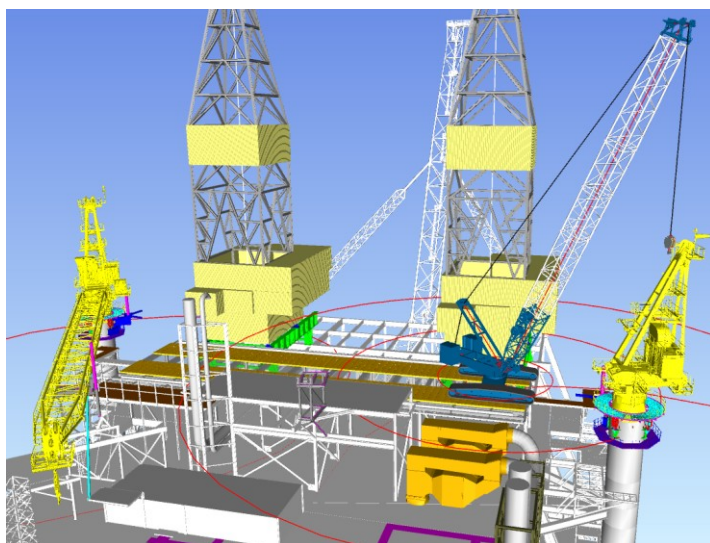




HIBERNIA CRANE REPLACEMENT FEASIBILITY STUDY

The ExxonMobil-operated Hibernia platform, located in the Jeanne d'Arc Basin, 315 km east of St John's, Newfoundland and Labrador, in Canada, requires two existing 45t platform cranes to be replaced by two new 60t platform cranes. Conbit was selected to perform the feasibility study to provide an efficient concept for the task.

In collaboration with Wood and ExxonMobil, Conbit gathered all the necessary information, explored various engineering ideas and equipment and presented a feasibility report to shape an effective solution for the project.



Picture: Hibernia Oil and Gas Platform Crane Replacement Concept

PROJECT

- ✓ ENGINEERING
- ✗ PROCUREMENT
- ✗ INSTALLATION

Client

Wood Group PSN Canada

Project Number

31374

Project Name

Hibernia Crane Replacement
Feasibility Study

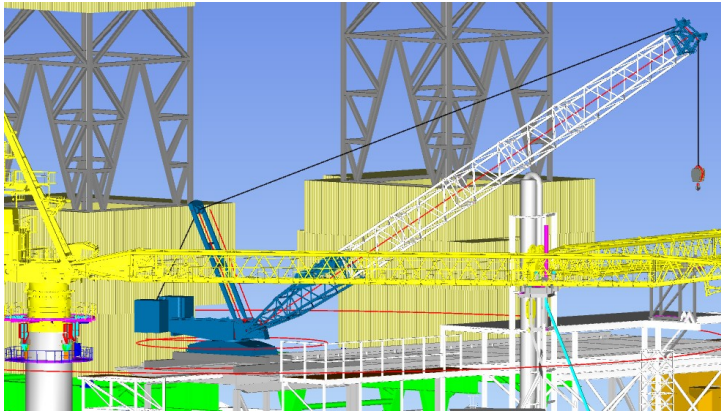
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ExxonMobil

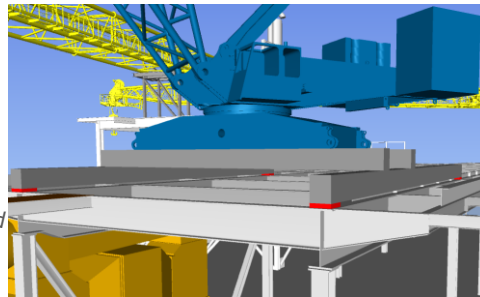
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HIBERNIA CRANE REPLACEMENT FEASIBILITY STUDY

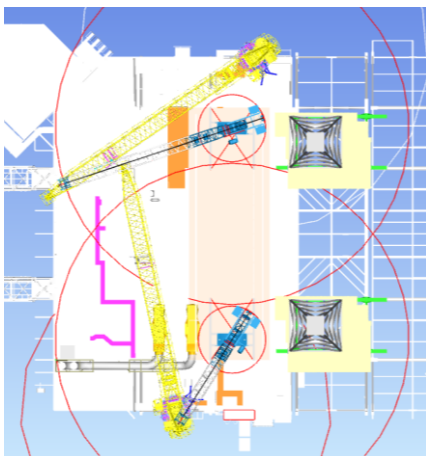
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Pictures: Position of west crane on base frame



Pictures: Position of east crane on base frame and the support point



Picture: Positioning and rotation of the cranes

THE DYNAMIC LIFTING

The principle is that all new and temporary crane parts are lifted onto the platform using the existing platform cranes prior to them being dismantled. The entire replacement can be performed with the temporary crane working from the deck with no offshore lifting.

TEMPORARY CRANE

Detailed information will be provided about deck loads coming from the selected temporary crane and items on the deck to match with the structural feasibility of the platform. The temporary crane was planned to be installed on the pipe deck with drilling operations on hold, allowing the deck to be freed up completely.

ALTERNATIVE APPROACH

Conbit's solution offers an alternative to the use of a large crane vessel. The client was committed to evaluating the option to save costs and increase project flexibility.

THE REPORT

The feasibility report presented the gathered and created information and conclusions about temporary crane position, types and loads, laydown areas, deck space and deck loads for/from all lifted items and working order of replacement. Furthermore, the execution schedule and budget estimate were prepared to align with the presented concept. Based on this feasibility study and initial structural checks, Conbit was convinced that the proposed solution would allow the efficient replacement of the two platform cranes.

**"CHALLENGING TIMES
REQUIRE ALTERNATIVE
LIFTING SOLUTIONS FOR
EFFICIENCY."**