



ACCOMMODATION MODULES FPSO IVORY COAST

Conbit proposed a modular lifting solution for the installation of four accommodation containers on FPSO Baobab MV10, located offshore of Ivory Coast.

Each of the 16t modules would be lifted from a supply vessel onto the FPSO using a gantry system incorporating high speed winches, and then skidded into position.

GANTRY LIFTING

After the supply vessel is secured in position alongside the FPSO, the lift line is lowered and connected to the sling, which is connected to the accommodation module. The line is then tensioned to begin the lift. The initial few meters of lifting are at high speed to overcome any motion from the supply vessel. Tag lines assist with controlling the load during the lift.

The first accommodation module is lifted to the correct height by the winches and then moved horizontally towards the deck by luffing the gantry. Once the container has reached the appropriate position, it is rotated by 90° so that it can be maneuvered between the bumper frame and gantry legs and onto the deck.



Picture: Ferguson accommodation module

PROJECT

✓ ENGINEERING

✗ PROCUREMENT

✗ INSTALLATION

Client

Modec

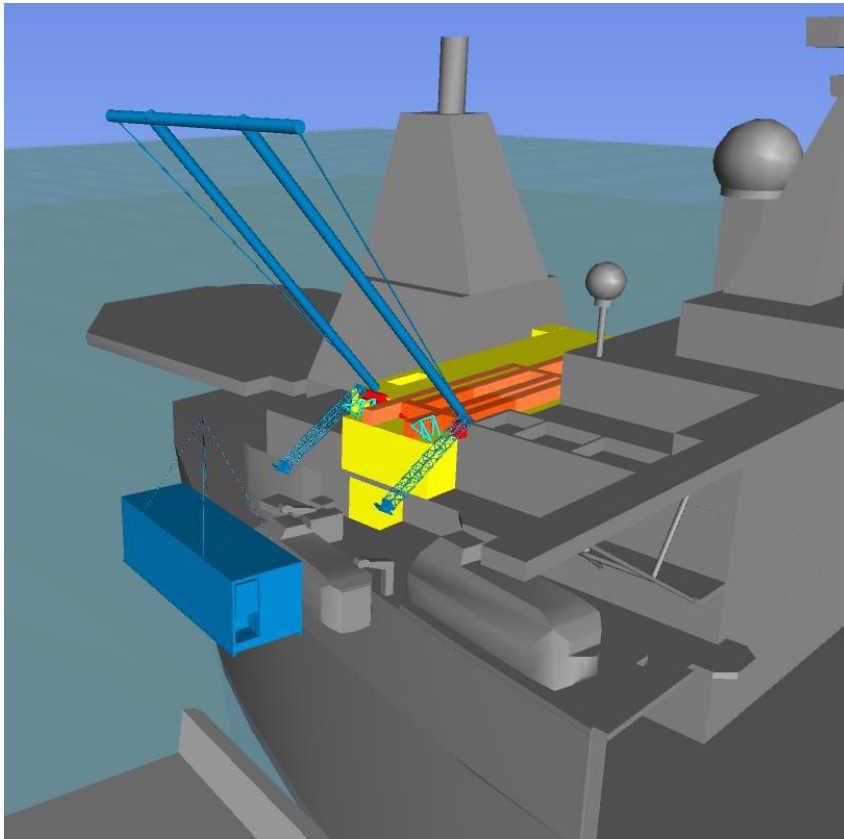
Project Number

31020

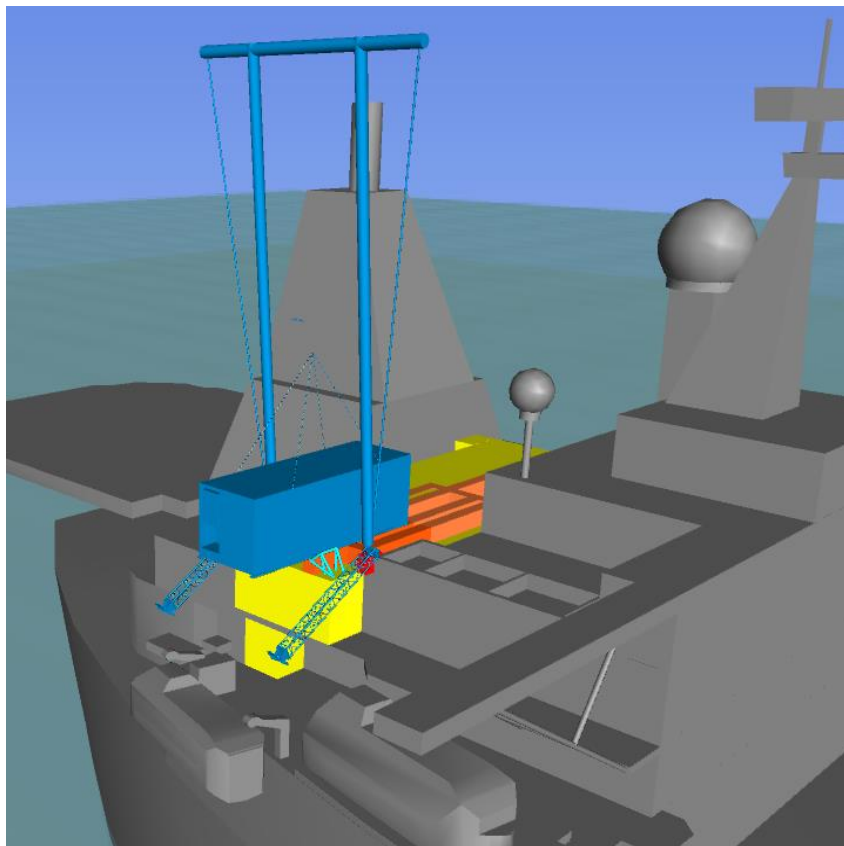
Project Name

Baobab accommodation module installation





Picture: Lifting accommodation module from supply vessel



Picture: Lowering module onto skid track

SKIDDING OPERATION

Sliding pads are installed underneath the container so that it can be connected to a skidding system. The second accommodation module is then lifted in a similar way and lowered on top of the first, where it can be secured. Both modules are skidded into position.

The accommodation modules are jacked-up so that the sliding pads can be removed and then secured in their final position.

This procedure is repeated for the third and fourth modules, with the gantry structure and its interface connections removed to enable the final positioning.

ALTERNATIVE LIFTING SOLUTION

As well as enabling operations to be planned in greater detail, Conbit's gantry lifting solution provides the opportunity for more efficient installations on FPSOs.

As this alternative lifting solution avoids the need for large and expensive crane vessels, it offers significant cost savings to FPSO projects.

"AS THE NUMBER OF FPSOs HAS CONTINUED TO GROW IN RECENT YEARS, THERE IS INCREASING DEMAND FOR ALTERNATIVE HEAVY LIFTING SOLUTIONS AS CLIENTS SEEK MORE COST-EFFICIENT TECHNIQUES COMPARED TO TRADITIONAL METHODS"