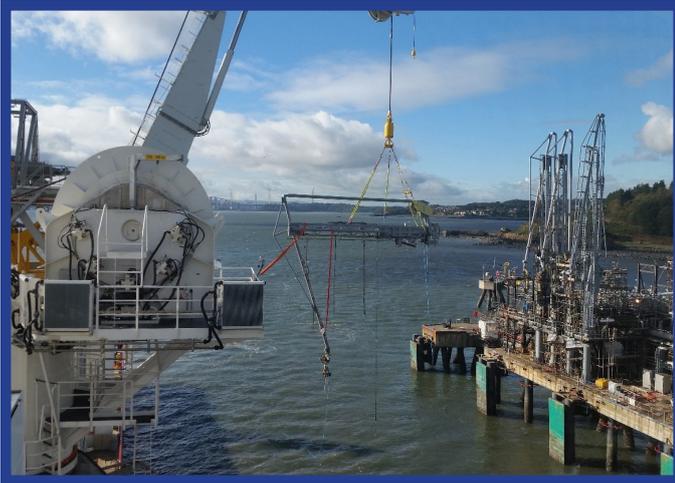


# Case Study



**Client:** Shell (UK) Limited  
**Project:** Braefoot Bay Terminal Marine Loading Arm Replacements  
**Location:** Braefoot Bay Terminal, UK  
**Tasks:** Marine Loading Arm Replacements  
**Dates:** 2016, 2017 & 2018  
**Duration:** 37 days (overall)  
**Equipment:** 5 x DP Vessels c/w Deck Crane: Deep Cygnus, Aker Wayfarer, Fugro Symphony, Grand Canyon

KD Marine provided marine and lifting services for the removal and replacement of Marine Loading Arms at the Braefoot Bay Terminal, UK. Each operation was performed from 5 various DP2 Vessels on 6 occasions along with Rope Access Teams over a 3-year period. KD Marine provided 24hr Operations, with a team of Riggers on the DP vessel and a Team of Riggers/Rope Access Technicians on the terminal. The Terminal remained fully operational throughout the project and during lifting operations remote release ROV style shackles were utilised to prevent Riggers having to 'Work at Height' providing a major safety advantage.

Each operation was successfully performed without any accidents or incidents, prompting the Client Representative to state:

*"I would like to thank KD Marine for a job very well done in the completion of the Braefoot Bay MLA Project, over an extended period of time, where the requirement for maximum flexibility and to react to change at short notice was tested to the full, for both Shell & KD Marine personnel."*

*The KD Offshore Manager who led the campaign(s) from the start and your operational teams both shoreside and vessel based are all to be commended for their professionalism and dedication to working safely and efficiently at all times.... most importantly, the project was completed with multiple mobilizations and demobilizations on 5 different vessels, without a single injury or incident in line with Shell's Goal Zero philosophy and which is a fantastic achievement by all concerned".*

Safe

Reliable

Competent

Cost Effective