

# CALM Buoy Recovery

## Case Study



**James Fisher Defence (JFD), together with sister company Fendercare, successfully recovered a 14-metre, 175-tonne Catenary Anchor Leg Mooring (CALM) buoy, along with 4 anchors and over 5km of chain from the seabed off Toulon, France.**

The buoy was originally installed to moor the Longbow barge during missile firing trials in the Mediterranean. On completion of these trials all equipment had to be removed from the site.

On completion of the recovery (25 January 2011), the CALM buoy was towed into Toulon where it was recycled while all the remaining items were offloaded at Great Yarmouth.

Following an initial mobilisation in Aberdeen from 21st to 23rd December, the ship sailed for Toulon where the recovery operation was managed. All recovery work was undertaken between 6th and 16th January and the ship returned to Great Yarmouth to offload on 25th January.

Due to the size of the anchors and chain, the safety of the ship and its crew were of paramount importance at all times and all work was controlled through carefully developed and agreed procedures.

### Who

S&MO, UK MoD

### Summary

- JFD, together with Fendercare, successfully recovered a 14m-long, 175t CALM buoy, 4 anchors, and over 5km of chain

### Services provided

- Using remotely operated vehicles (ROVs), the James Fisher team surveyed all equipment on the seabed
- The team cut the anchors and recovered over 5km of chain from the seabed off Toulon, France, under contract to the Salvage & Marine Integrated Project Team of the UK MoD
- Also recovered were two 60-tonne gravity anchors and two purpose-built plough anchors
- On completion of the recovery work, a seabed survey was undertaken and additional debris cleared

### Benefits delivered

- Delivery of £2m project serves to demonstrate the breadth of the world class capabilities of JFD
- Continues the valued relationship between JFD and the UK MoD
- Demonstration of capabilities including planning, managing and executing complicated offshore operations, as well as implementation of strict safety procedures

