

Leadon Decommissioning

- Project deliverables
 - Project management
 - Project engineering
 - Survey Subsea cutting
 - Recovery of subsea infrastructure
 - Recycling and disposal



Maersk Supply Service, a parent company of Maersk Decom, project managed and executed the full scope of decommissioning for the Leadon subsea field.

By supplying and managing the entire marine requirement, Maersk Supply Service can increase flexibility, optimise schedules and reduce risk throughout the project. The offshore work scope involved cutting the field's pipe bundles, as well as recovering the mid-line structure and towheads.

With more than 50 years of hands-on offshore experience, Maersk Supply Service can react safely to unpredictable environments and unforeseen events which can occur during decommissioning. With this capability, Maersk Supply Service ensures a safe and efficient project delivery.



FULL SCOPE DELIVERY
Project management and engineering

In addition to executing the offshore work scopes, Maersk Supply Service is delivering the project as an integrated solution including project management, engineering, subcontractor management, offshore planning, interface management, and management of the recycling and waste disposal of recovered infrastructure.



ADVANCED CAPABILITIES
Milestones achieved from newbuild vessel

The lift of the 26m-long South towhead, weighing 260 tonnes, represents the heaviest lift performed from a Maersk Supply Service vessel to date, and the first time such a structure has been lifted and recovered by a subsea construction vessel. With its 400-tonne active heave-compensated crane, the I-class vessels are an effective, cost efficient platform for subsea recovery.



INNOVATIVE METHOD
Designing the recovery system

Having been installed with no conventional features for lifting, the Leadon towheads were secured to the vessel's crane and recovery slings using remotely operated vehicles. The towheads were then lifted by Maersk Inventor's 400-tonne crane, and a tagging winch system was used for rotating the structures.

KEY FACTS

CLIENT:
Total E&P UK

LOCATION:
Leadon field, UK North Sea

WATER DEPTH:
120 m

NO OF VESSELS USED:
3

PROJECT DURATION:
2017 to 2019

OPERATIONS:
Survey, subsea cutting, subsea infrastructure recovery

SAFETY PERFORMANCE:
Zero lost time incidents

SURVEY



Maersk Achiever



Maersk Inventor

SUBSEA CUTTING



Maersk Master



Maersk Achiever



Maersk Inventor

INFRASTRUCTURE RECOVERY



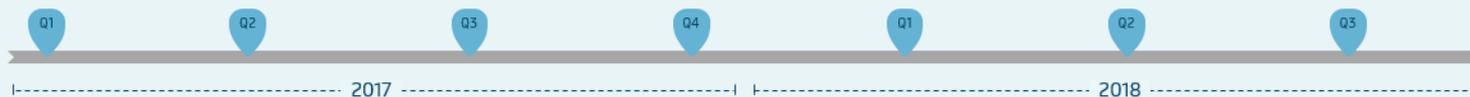
Maersk Master



Maersk Achiever



Maersk Inventor



End to end project management of:

Survey

- Multibeam echosounder survey by Maersk Achiever
- Multibeam echosounder survey by Maersk Inventor

Subsea cutting

- Flowline cutting by Maersk Master
- 6x cuts of bundle pipe at 51" in outer diameter by Maersk Inventor using diamond wire saw
- Towhead structure preparatory work by Maersk Inventor included spool cutting using hydraulic shears and hole cutting using an abrasive water jet system

Subsea infrastructure recovery

2017 scope:

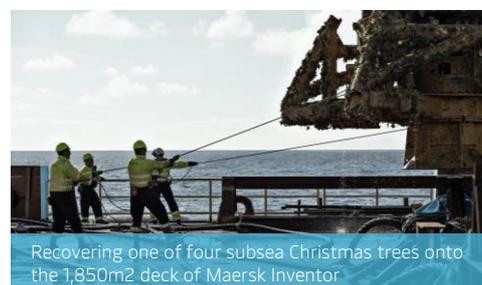
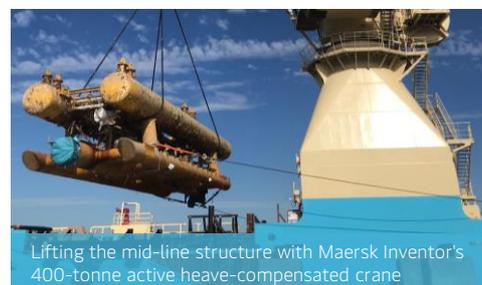
- 6x riser bases and 1x concrete mattress recovered by Maersk Achiever
- 6.1km of 139mm outer diameter gas import flowline recovered by Maersk Master, spooled in a complete section onto the vessel's large winch drums

2018 scope:

- Mid-line structure, mid-line structure buoyancy pontoons, 26m-long South towhead weighing 260 tonnes, and 4x subsea Christmas trees recovered by Maersk Inventor
- Debris clearance by Maersk Inventor

2019 scope:

- North towhead recovered at over 250 tonnes by Maersk Installer
- 4x subsea Christmas trees recovered



Maersk Decom provides bundled decommissioning solutions to global oil and gas operators. Initially covering up to 80% of the decommissioning process, Maersk Decom offers project management, well plug and abandonment, towage of floating units and removal of subsea infrastructure. In the longterm, Maersk Decom plans to provide the full end-to-end process of decommissioning.

The company was established in April 2018 as a 50:50 joint venture between Maersk Drilling and Maersk Supply Service. Maersk Decom leverages the parent companies' heritage of over 50 years of safe and efficient operations, high quality assets and technical capabilities.

For more information, visit www.maerskdecom.com