

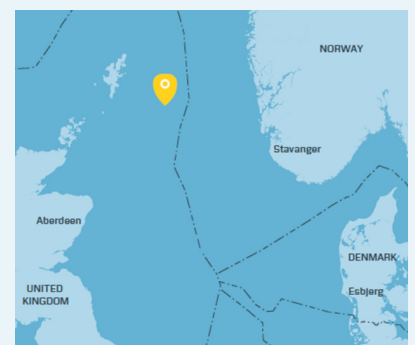
Leadon Decommissioning Project

Project deliverables

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

Maersk Supply Service is project managing and executing the full scope of decommissioning for the Leadon field in the UK North Sea.

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:

120m

Project:

Decommissioning

Operations:

Survey, subsea cutting, subsea infrastructure recovery

No. vessels used:

3

Project duration:

From 2017 to 2019

Safety performance:

Zero lost time incidents



MAERSK
SUPPLY SERVICE

Work scope for the Leadon decommissioning project

SURVEY



Maersk Achiever



Maersk Inventor

SUBSEA CUTTING



Maersk Master



Maersk Achiever



Maersk Inventor

INFRASTRUCTURE RECOVERY



Maersk Master

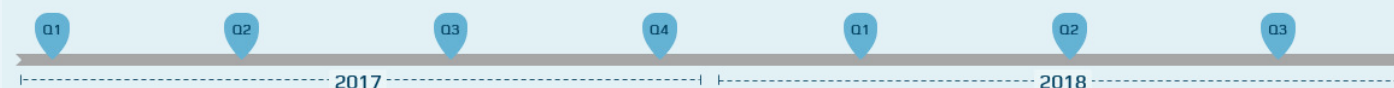


Maersk Achiever



Maersk Inventor

TOTAL VESSEL DAYS: 63



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
- 6.1 km 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:

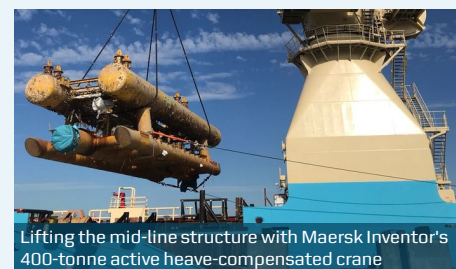
- Mid-line structure, mid-line structure buoyancy pontoons, 26m-long South towhead weighing 260 tonnes, and 4x subsea Christmas trees recovered by Maersk Inventor
- Debris clearance by Maersk Inventor

2019 scope:

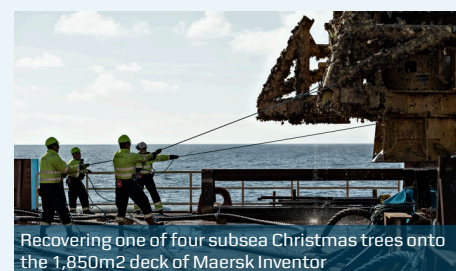
- North towhead and 4x subsea Christmas trees to be recovered



Tow and installation of 4.2km of bundle pipe and structures from MSS vessels in 2000



Lifting the mid-line structure with Maersk Inventor's 400-tonne active heave-compensated crane



Recovering one of four subsea Christmas trees onto the 1,850m² deck of Maersk Inventor

Maersk Supply Service - Provider of vessels and full service solutions to the energy sector

Maersk Supply Services is a leading provider of global offshore marine services. We bring more than 50 years of hands-on marine experience from vessel operations on a global scale, serving a broad range of clients in the energy sector.

Our Integrated Solutions division delivers full service solutions, which include scoping, planning, subcontracting and execution of marine projects as well as access to in-house cost-competitive vessels with competent and experienced crew that meet the highest standards of quality and safety.



Safe hands. Sound business.



MAERSK
SUPPLY SERVICE