

CASE STUDY: ENERGY SOLUTIONS

REDEFINING COMMISSIONING SUCCESS  
IN PIPELINE REINSTATEMENT

Delivering full-service support to restore a critical gas pipeline to operational status.



**CLIENT**  
Independent Oil and Gas (IOG)

**YEAR**  
2018

**BUSINESS LINE**  
Energy Solutions

The Challenge

The Thames Pipeline, a previously decommissioned 24-inch gas line, was being brought back into service by IOG to transport gas from North Sea fields to the Bacton Gas Terminal.

With an estimated capacity of 550 million cubic feet per day, the project required a comprehensive reinstatement and commissioning programme.

The challenge was to execute complex onshore and offshore scopes efficiently, safely, and without delays—while integrating seamlessly with existing infrastructure and third-party suppliers.

The Solution

EnerMech delivered a full turnkey service across both project phases, deploying a dedicated team of 16 multi-skilled personnel from its local Great Yarmouth base.

Services included nitrogen purging, water flushing, hydro testing, intelligent pigging, gauging, dewatering, hydraulic torque and tensioning, and system flange management.

Familiarity with the site and existing relationships with suppliers enabled rapid mobilisation and efficient execution.

The local EnerMech facility also provided logistical support, storage, and additional services to streamline delivery.

The Outcome

The project was completed to the highest industry standards with zero safety incidents.

EnerMech’s local presence, experienced team, and integrated service model ensured smooth execution and eliminated delays.

The successful reinstatement of the Thames Pipeline marked a key milestone in IOG’s Blythe and Vulcan development, restoring a vital gas transport route and reinforcing EnerMech’s reputation as a trusted partner in pipeline commissioning.

We Delivered...

- **Nitrogen purging, water flushing, and hydro testing** across pipeline systems
- **Intelligent pigging, gauging, and dewatering** to prepare the line for operation
- **Hydraulic torque and tensioning** and full **flange management**
- **16 multi-skilled personnel** deployed from our Great Yarmouth base
- **Zero safety incidents** throughout the entire project duration

Full Turnkey Delivery

Complete onshore and offshore support from a single, integrated team.

Strong Supplier Network

Existing relationships ensured no delays in third-party service provision.

