



## DECOMMISSIONING CASE STUDY

# FLEXIBLE FLOWLINES

John Lawrie Metals is the largest metal recycler and exporter of processed metal in North and North-East Scotland and an experienced member of the decommissioning supply chain. With current strategically located licensed facilities in Aberdeen, Shetland, Evanton and Montrose, John Lawrie Metals is your decommissioning partner of choice.

### Highlights

Client:	Numerous North Sea Operators
Field:	Various Fields in North Sea
Port:	Nigg, Invergordon, Peterhead, Aberdeen, Dundee and Lerwick
Project:	Processing and recycling flexible risers and flowlines
Recycling Rate:	100%

### Project Summary

Many miles of flexible flowlines, risers and umbilicals play an important role in oil and gas production in the North Sea. During field decommissioning programmes these items need recovered and brought ashore.

Over the past decade, John Lawrie has brought ashore thousands of tonnes of flexible flowlines, risers and umbilicals at ports across Scotland. It has successfully developed processing methods that result in high recovery and recycling rates of the metallic and non-metallic content.

The predominately mechanical recycling process involves separating the various metallic and non-metallic layers of the flowlines and umbilicals. Each layer is systematically removed and the component parts sorted for recycling.

Plastic materials are transferred to authorised recycling contractors for further processing before being made into new products. The separated metal content is processed at one of John Lawrie's metal recycling facilities to ESSS standard, before being exported to European steel mills for recycling into new steel products, delivering significant environmental benefits.

## OUR DECOMMISSIONING CAPABILITIES:



**Onshore  
decommissioning  
service**



**Piece small to  
medium items**



**Access to quayside  
dismantling facilities**



**Size reduction service  
at quayside**



**Excellent track  
record**



**Reuse & recycling  
specialists**



**Recycling subsea  
infrastructure**



**Licensed waste  
treatment facilities  
throughout Scotland**



**Skilled & mobile  
workforce**



**In-house HSEQ  
support service**



**Documented safety  
management system  
OHSAS 18001:2007**



**Accredited ISO 14001  
& 9001 management  
systems**

Provision of specialist trucks, lifting and cutting equipment and a fully mobile, well-trained workforce as well as a highly innovative approach to project management and logistics means decisions are made quickly and jobs expedited efficiently. Our in-house HSE function includes method statements/risk assessments, training & competences.

We have a long established and experienced hands-on management team in place and a proven track record in managing, handling and processing a large number of decommissioning projects.

