



METAL RECYCLING CASE STUDY

FPSO MOORING SYSTEM

John Lawrie Group 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, and the addition of our new quayside facility in Dundee opening in 2020 bringing our combined annual licensed tonnage to 360,000 tonnes, John Lawrie Decom is your decommissioning partner of choice.

Highlights

Client:	Ithaca Energy (sub-contracted to Global Energy)
Field:	Athena, Central North Sea
Port:	Nigg Energy Park, Tain, Highlands
Project:	Decommissioning FPSO mooring system
Tonnage:	1,800Te
Recycling Rate:	100%

Project Summary

Upon cessation of production, all infrastructure associated with the Athena Field, which was located in the Outer Moray Firth, was scheduled for decommissioning.

This included the FPSO's mooring system, a 14cm (5.5in) diameter wire rope encased in a plastic carcass and large diameter anchor chain with a combined weight of 1,800Te.

John Lawrie Decom undertook the decommissioning work, with the initial phase of operations being carried out at Global Energy's Nigg Energy Park in Tain.

The mooring system was received onshore from a spooling system onboard a vessel and mechanically cut into road transportable lengths on the quayside by John Lawrie's decom team using a cold-cutting cleaver shear fitted to a material handler. The cut lengths were then transported the short distance to John Lawrie's licensed Evanton waste metal treatment facility for final processing and recycling. Each length was stripped of its plastic carcass before both the metal and plastic elements were recycled separately, ensuring a recycling rate of 100%.

The anchor chains were cut into single links and utilised as ballast weights for the aquaculture sector.

OUR DECOMMISSIONING CAPABILITIES:

 <p>Onshore decommissioning service</p>	 <p>Piece small to medium items</p>	 <p>Access to quayside dismantling facilities</p>
 <p>Size reduction service at quayside</p>	 <p>Excellent track record</p>	 <p>Reuse & recycling specialists</p>
 <p>Recycling subsea infrastructure</p>	 <p>Licensed waste treatment facilities throughout Scotland</p>	 <p>Skilled & mobile workforce</p>
 <p>In-house HSEQ support service</p>	 <p>Documented safety management system OHSAS 18001:2007</p>	 <p>Accredited ISO 14001 & 9001 management systems</p>

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.

