

Ellon, Scotland

ABOUT ELLON

The Ellon facility, located 15 miles north of Aberdeen, Scotland, has been operational since the early 1980's and is one of the two permanent field joint and custom coating facilities of Shawcor. Ellon is strategically located near the oil and gas fields in the North Sea region and has excellent logistical connections to the European fabrication companies.

CENTRE OF EXCELLENCE FOR FACTORY CUSTOM COATINGS

The Ellon facility has more than 22,000 m² and is our centre of excellence for factory custom coatings. A wide range of anti-corrosion and flow assurance coating systems are applied here on straight pipe sections or various custom fabricated parts to be used in subsea oil and gas production structures. A series of different application processes can be used, including semi-automatic and manual applications. The specialised coating equipment available in Ellon includes:

- Hand blast facility for external blast
- Gas fired oven with capacity for pre-fabricated steel work
- Powder spray booth with extraction system and water bath
- Rubber extrusion and hand-build equipment
- Steam autoclaves
- Semi-automatic, single pass, heat and coat system for the application of FBE
- Polyurethane pumps and equipment suitable for factory and field work

MOBILISATION AND ENGINEERING HUB

As most of the field joint and custom coating projects have specific requirements, often the specialised coating equipment for these projects has to be designed and tested in Ellon by our engineers.

Moreover, Shawcor can mobilise its coating equipment and teams to virtually any location required by the customer. Our experienced site teams have successfully completed hundreds of field joint and custom coating projects for our customers both onshore, on spoolbases (for subsequent reel-lay installation) or other logistic bases, and offshore on pipe laying vessels (in S-Lay and J-Lay configurations) and offshore installations worldwide.

The field service specialised equipment that can be mobilised from Ellon includes: compressors and blasting equipment; generators and induction coils; spray equipment for Fusion Bonded Epoxy (FBE) and adhesive application; chamfer heating equipment; polypropylene and polyurethane injection moulding equipment.



ANTI-CORROSION

2LPP: custom polypropylene anti-corrosion systems
Spray for spools and bends

FBE: fusion bonded epoxy powder custom coating
Semi-automatic process for straight lengths
Hand-flocked for spools and bends

PCP and EPDM: rubber-based custom coating systems
Extrusion process for straight lengths
Hand application process for spools, bends and internal lining

THERMAL INSULATION

Thermotite® NEMO custom coating systems
Injection-moulding process for pipes, spools and bends

ThermoFlo®: polyurethane custom insulation systems
Injection-moulding process for pipes, spools and bends

LOCATION



APPROVALS AND QUALITY ASSURANCE

- Quality System accredited to BS EN ISO 9001:2000
- Environmental Management System accredited to BS EN ISO 14001:2004
- Occupational Health & Safety Management System accredited to BS OHSAS 18001:2007

ACCESS

Truck

- The Ellon facility has truck access and is 15 miles from the Aberdeen seaport
- Trucking services to and from Aberdeen and other locations in the UK are readily available from local transportation companies

PARTIAL LIST OF COMPLETED PROJECTS

BP Shah Deniz Phase II

Coating: PCP
Year: 2015

Maersk Flyndre Cawdor

Coating: EPDM + ThermoFlo®
Year: 2015

Talisman Montrose

Coating: 2LPP
Year: 2015

Det Norske Viper Kobra

Coating: FBE + ThermoFlo®, 2LPP
Year: 2016

ENI Block 15/06

Coating: FBE + ThermoFlo®
Year: 2015

Ithaca Stella

Coating: FBE, ThermoFlo®, 2LPP
Year: 2015

Tullow TEN

Coating: FBE + ThermoFlo®, 2LPP
Year: 2015



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ABOUT SHAWCOR

Shawcor is the global leader in pipe coating solutions. With more than 80 years of experience, the largest team of dedicated pipe coating professionals, the most extensive network of strategically located plants worldwide and with proven innovative coating technologies, the company has protected more pipelines in virtually every environment and operating condition than anyone in the industry.

Shawcor offers technologically advanced solutions for anti-corrosion coatings, protective and weight coatings, thermal flow assurance coatings, internal coatings, custom coatings and field joints for both onshore and offshore applications. This broad range of products and services provides Shawcor with the unique capability to service the full spectrum of pipeline protection and flow assurance requirements. Consult with your Shawcor representative for your unique project requirements.

Health and Safety Shawcor is committed to providing a safe and healthy workplace and ensuring our business activities are conducted in a manner that protects the environment. The company's commitment to employee safety is promoted through our Incident and Injury Free (IIF) philosophy.

The information contained herein is indicative of the types of coatings provided by Shawcor, and is not intended to be a guarantee that a particular coating will be suitable for a given application. Since many unique environmental, operating, and design conditions must be considered, the user shall determine the suitability of the coating for the intended use and assume all the risks and liabilities in connection therewith. Shawcor's liability is stated in our standard conditions of sale.

EUROPE, MIDDLE EAST, AFRICA AND RUSSIA

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