

## Orkanger, Norway

### PLANT CAPABILITY SHEET

#### FEATURES AND BENEFITS

Bredero Shaw's Orkanger, Norway facility is strategically located in the Port of Orkanger in order to efficiently service the North Sea and international markets. The state-of-art facility has been designed to meet the highly technical demands for subsea flow assurance.

The Orkanger facility that has large plant and storage capacities and is capable of applying anti-corrosion, Thermotite® flow assurance coatings, custom coatings and field joints allowing for multiple projects to be completed simultaneously. There is also the ability to fabricate double joints allowing for cost savings and ease of installation.

The Orkanger facility is located adjacent to the Orkanger deepwater port and spoolbase providing logistical savings and efficient inbound and outbound pipe handling.

Bredero Shaw is the industry leader in providing a safe and healthy workplace. The Orkanger facility has incorporated the latest technology in HSE practices and improved on the quality control systems that are presently in operation.



Anti-Corrosion Coatings



Flow Assurance Coatings



Custom Coatings

#### MANUFACTURED PRODUCTS

COATING TYPE	DIAMETER mm (")		LENGTH m (')	
	MIN.	MAX.	MIN.	MAX.
<b>3LPP:</b> Three Layer Polypropylene Coating	50 (2)	510 (20)	9 (30)	26 (85)
<b>3LPE:</b> Three Layer Polyethylene Coating	50 (2)	510 (20)	9 (30)	26 (85)
<b>FBE:</b> Fusion Bonded Epoxy Powder Coating	50 (2)	510 (20)	9 (30)	26 (85)
<b>Thermotite®:</b> Polypropylene Insulation Systems	50 (2)	510 (20)	9 (30)	26 (85)
<b>Thermotite® ULTRA™:</b> Subsea Thermal Insulation Systems	50 (2)	510 (20)	9 (30)	26 (85)
<b>Custom Coating and Field Joint Protection</b>	--	--	--	--

#### LOCATION





## Orkanger, Norway



### Plant Contact Information

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## ACCESS

### METHOD

**Truck** • 7301 Orkanger, Norway

**Marine** • Orkanger Port, Norway

## SPECIAL SERVICES

- Complete systems for sub sea architecture in polypropylene and polyurethane
- Orkanger offers flexible units for services in connection with construction of structures and fabrication yards
- Special service for thermal insulation of bends and shaped products
- Double joint welding facility in connection with the coating plant
- Orkanger offers Thermotite® field joint systems and Thermotite® custom coating services

## PARTIAL LIST OF COMPLETED PROJECTS

PROJECT	PRODUCTS	LENGTH (m)	DIAMETER (")	WATER DEPTH (m)   TEMP (°C)	YEAR
Gjøa Infield Project	3LPP Thermotite® 7-layer (60,0 mm) Thermotite® 7-layer (58,0 mm)	7,381 610 17,042	5, 13, 15	365 m   85°C	2008-09
Vega	Thermotite® 7-layer (64,2 mm) Thermotite® 7-layer (64,7 mm) Thermotite® 7-layer (68,4 mm)	28,304 22,021 3,671	13, 14, 16	380 m   120°C	2008-09
ThunderHorse Next	Thermotite® 7-layer (76,6 mm)	16,177	10	2200 m   121°C	2008
Pluto 2008	Thermotite® 7-layer (63,0 mm)	11,885	20	800 m   80°C	2008
Vigdis Water Injection	3LPP	9,955	16	300 m   33°C	2008
Morvin	Thermotite® 5-layer (52,2 mm)	21,191	5, 10	375 m   150°C	2008
Yme Re-Development	3LPP Thermotite® 7-layer (74,0 mm)	24,790 12,273	2, 4, 6, 10	100 m   110°C	2008
Yttergryta	3LPP 3LPP	207 5,392	10	(SD Spools) 285-305 m   85°C	2008
Alve	3LPP Thermotite® 7-layer (74,0 mm)	97 16,384	8, 12, 15	(SD Spools) 390 m   120°C	2007-08
Tyrihans	Thermotite® 5-layer (57,5 mm) Thermotite® 5-layer (37,5 mm) Thermotite® 5-layer (56,1 mm)	28,900 960 15,680	18, 20	325 m   120°C	2007

## APPROVALS & QUALITY ASSURANCE

- Certified to ISO 9001:2000, ISO 14001 and OHSAS 18001

## HEALTH & SAFETY

Bredero Shaw is committed to providing a safe and healthy workplace and ensuring that our business activities are conducted in a manner that protects the environment. It is our objective to achieve an Incident and Injury Free workplace, where everyone recognizes that by risking incident or injury, they are putting in jeopardy what they value and those they care for.

## BREDERO SHAW: THE GLOBAL LEADER IN PIPE COATING SOLUTIONS

Bredero Shaw is the world leader in pipe coating solutions, with more than 75 years of experience, over 27 global pipe coating facilities and the largest team of technical and service specialists in the business. Bredero Shaw 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 Bredero Shaw with the unique capability to service the full spectrum of pipeline protection and flow assurance requirements. Consult your Bredero Shaw representative for your unique project requirements.

The information contained herein is indicative of the types of coatings provided by Bredero Shaw, 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. Bredero Shaw's liability is stated in our standard conditions of sale.