ABOUT KUANTAN
Shawcor’s Kuantan, Malaysia facility is strategically located near the oil and gas fields in Southeast Asia and the shipping routes in the South China Sea, in order to effectively service local and international clients in the Malaysian and international markets.

With over 700,000 m² of plant and pipe storage area available, the Kuantan facility is the largest pipe coating facility in the world. The facility is capable of providing various advanced pipe coating technologies, enabling concurrent execution of multiple projects and product lines.

The Kuantan facility is located adjacent to Kuantan Port, which provides a safe and economical logistic solution for pipe handling and transportation. In addition, priority and dedicated berthings can be made available as well. This will reduce risks of demurrage or laybarge downtime.

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

SPECIAL SERVICES
• Custom coating facility for bends, flanges, tees, etc. (Internal, external liquid epoxy, FBE, PE & PP coating capability using manual or automatic spray application) bends sizes 4” - 48” OD
• Custom coating for bends (Injection Moulded PP) for sizes 6” - 30” OD
• Pipe in pipe fabrication, welding and insulation plant (Polyurethane foam and syntactic polyurethane insulation)
• Anode installation
• Buckle arrestors
• Rebeveling

APPROVALS AND QUALITY ASSURANCE
• Quality System accredited to BS EN ISO 9001:2008
• Environmental Management System accredited to BS EN ISO 14001:2004
• Occupational Health & Safety Management System accredited to BS OHSAS 18001:2007
• ISO 17025 for FBE, 3-layer and insulation coatings

PIPE COATING PRODUCTS

<table>
<thead>
<tr>
<th></th>
<th>Diameter mm (”)</th>
<th>Length m (’)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>min.</td>
<td>max.</td>
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<tr>
<td>ANTI-CORROSION</td>
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<td></td>
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<tr>
<td>2-Layer Polyethylene</td>
<td>50 (2)</td>
<td>1423 (56)</td>
</tr>
<tr>
<td>3-Layer Polyethylene</td>
<td>50 (2)</td>
<td>1423 (56)</td>
</tr>
<tr>
<td>3-Layer Polypropylene</td>
<td>50 (2)</td>
<td>1423 (56)</td>
</tr>
<tr>
<td>Fusion Bonded Epoxy</td>
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<td>1423 (56)</td>
</tr>
<tr>
<td>Dual-Layer FBE</td>
<td>50 (2)</td>
<td>1423 (56)</td>
</tr>
<tr>
<td>AE</td>
<td>50 (2)</td>
<td>1525 (60)</td>
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</table>

PROTECTIVE AND WEIGHT

<table>
<thead>
<tr>
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<th>Diameter mm (”)</th>
<th>Length m (’)</th>
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<tbody>
<tr>
<td>HeviCote®</td>
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<td>1525 (60)</td>
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FLOW ASSURANCE

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<tr>
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<th>Diameter mm (”)</th>
<th>Length m (’)</th>
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<tr>
<td>Pipe-in-Pipe</td>
<td>50 (2)</td>
<td>1220 (48)</td>
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<tr>
<td>ThermoFlo®</td>
<td>150 (6)</td>
<td>457 (18)</td>
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<tr>
<td>Thermitote®</td>
<td>150 (6)</td>
<td>660 (26)</td>
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INTERNAL

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<th>Diameter mm (”)</th>
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<tr>
<td>SureFlo™ FEC</td>
<td>254 (10)</td>
<td>1423 (56)</td>
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CUSTOM COATING

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<tr>
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<th>Diameter mm (”)</th>
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</thead>
<tbody>
<tr>
<td>Custom Coatings</td>
<td>100 (4)</td>
<td>1930 (76)</td>
</tr>
<tr>
<td>Custom Coatings (IMPP)</td>
<td>150 (6)</td>
<td>762 (30)</td>
</tr>
</tbody>
</table>

LOCATION

![Map of South China Sea and Southeast Asia showing Kuantan, Malaysia location]
Kuantan, Malaysia

ACCESS

Truck
- Located within the confines of Kuantan Port, trucking route to plant site is approximately 6 km on well paved asphalt roads
- Trucking services to and from Singapore, Johor Bahru, Port Klang and Thailand are readily available from local transportation companies
- Bredero Shaw (Malaysia) Sdn. Bhd. (12792-A)
  16m.s. Kuantan-Kemaman Road, Kuantan Port, P.O. Box 172, 25720 Kuantan, Pahang Darul Makmur, Malaysia

Marine
- Port of Kuantan
- Kuantan Port is an All Weather Port with 11.2 m draft and maximum DWT of 35,000 MT (45,000 displacement tonnes) for general cargo and 53,000 DWT for liquid cargo. It has 725 m of multipurpose berth, 600 m of container berth, 1,510 m of liquid/chemical berth and 140 m Service Jetty for pipe barges
- Located on the east coast of Peninsular Malaysia, frequent feeder vessels ply Kuantan Port from Singapore, Port Klang and Tanjung Pelepas Port where container vessels call

PARTIAL LIST OF COMPLETED PROJECTS

Sur de Texas Tuxpan
Coating: Internal, FBE & DLFBE
Length: 290 km
Diameter: 42" & 48"
Location: Mexico
Year: 2016-2017

SK 316 Development
Coating: 3LPP, FBE & Concrete
Length: 80 km
Diameter: 32"
Location: Malaysia
Year: 2014

Provincial Transmission Pipeline - Nakhon Ratchasima
Coating: Internal & 3LPE
Length: 114 km
Diameter: 28"
Location: Thailand
Year: 2014

Malikai
Coating: 3LPP, GsPU (Insulation) & Concrete
Length: 103 km
Diameter: 8" & 10"
Location: Malaysia
Year: 2014

Ichthys LNG - Gas Export Pipeline
Coating: Internal, AE & Concrete
Length: 457 km
Diameter: 42"
Location: Australia
Year: 2012-2014

Arthit Phase 2C
Coating: 3LPP, 3LPE & Concrete
Length: 172 km
Diameter: 12", 16" & 26"
Location: Thailand
Year: 2013

Wheatstone LNG - Trunkline and Flowlines
Coating: Internal, FBE, 3LPP, Multi-Layer PP & Concrete
Length: 152 km
Diameter: 14", 24" & 44"
Location: Australia
Year: 2012-2014

PNG LNG Offshore Pipeline
Coating: Internal, FBE, 3LPE & Concrete
Length: 415 km
Diameter: 36"
Location: Papua New Guinea
Year: 2010-2011

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.