Steel Jacket Foundations
Offshore Wind Turbines

Our Offshore Processing Centre in Hartlepool offers a cost effective, high throughput solution to meet the increasing demand for steel jacket foundation components. Our supply partnership with Eisenbau Krämer means that we can deliver a complete project package, covering all sizes required for jacket construction.

The ambitions for renewable energy generation will require large volumes of jacket fabrications for wind tower structures. Our unique steel jacket service delivers a significant change within the supply chain for these structures and provides our customers with benefits right through from plate to finished component.

Benefits of our service capability include:
- Increased throughput rates within your own fabrication facility as we supply complete point to point components, reducing your own processing time
- Increased confidence with total traceability in an integrated supply chain from plate right through to finished component
- Lower stock levels at your premises as we despatch material in accordance with your project specific build sequence requirements
- Increased purchasing efficiency with all steel components sourced from a single supplier

Our service capability includes:
- In-line welding tube sizes up to and including 2000mm diameter
- Capability to process lengths up to and including 27m long
- Saddle cutting and end profiling of lengths between 900mm and 12m long in diameters up to and including 1000mm
- Cutting of lengths from 12m maximum to a minimum of 900mm in diameters up to and including 1600mm
- Anti-corrosion protection
- Storage capabilities
- Stock management services

All of our steel tubulars can be manufactured from plate to EN 10225 or EN 10025 S355NL, or other alternative European and International standards at your request. Tubular components are rolled either at our mills in Hartlepool or by our partner organisation Eisenbau Krämer. By using the assets within both our companies we offer a comprehensive size range covering all products within both primary and secondary structures. Our plant has been configured to deliver the fastest throughput from receipt of pipe feedstock right through to the marshalling area where despatch packages will be constructed to meet the specific needs of each project.

With easy access to the North Sea and deep sea port capabilities, we are able to provide logistic solutions to service all of the key development areas for offshore wind power.

All our operations are certified to EN 14001 and EN ISO 9001:2000

<table>
<thead>
<tr>
<th>Pipe wall thickness (mm)</th>
<th>25</th>
<th>50</th>
<th>75</th>
<th>100</th>
<th>125</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside diameter (mm)</td>
<td>500</td>
<td>1000</td>
<td>1500</td>
<td>2000</td>
<td>2500</td>
</tr>
</tbody>
</table>

Comprehensive size range capabilities covering typical sizes for primary and secondary structure components

Key
- Typical sizes:
  - Secondary steelwork
  - Braces
  - Legs
  - Piles
- Size range capability:
Offshore Processing Centre capabilities

- Plate feed stock
- Full range of pipe sizes
- End profiling
- Transitions / Welding
- Cut to length
- Painting / Anti-corrosion
- Despatch packages constructed to service clients build sequence
- Documentation
- Shipping
- Overland logistics
- Fabrication clients

Tata Steel is working with our supply partner Eisenbau Krämer to offer a complete package of materials for jacket construction.

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