



Special Purpose Equipment
for the Oil and Gas, Process
and Nuclear Industries



Our Fabrication Skills

At Beauford Engineers we are committed to first class, design led engineering solutions geared directly at the Oil and Gas, Process and Nuclear Industries.



TECHNICAL FABRICATION DIVISION

Beauford Engineers specialise in the design, manufacture and commissioning of Technical Fabrications and Structural Assemblies. The company takes pride in its ability to undertake high tolerance fabrication work in a variety of materials to meet the exacting standards required in the Oil and Gas, Process and Nuclear Industries.

Designed and constructed to the most stringent international standards, Beauford-built components guarantee dimensional tolerance, high quality finish, longevity, low maintenance and ease of operation. The Beauford product and service range utilises the latest state-of-the-art manufacturing technology allied with the Company's unique knowledge of material selection for the most rigorous offshore, sub-sea and land conditions.

Beauford welders and fabricators are certified to ASME and BS Standards in all carbon steels, stainless steels and general alloys. Welding processes offered by the Company include submerged arc, shield metal arc, tungsten inert gas, metal inert and active gas (including fluxed core).

Beauford Engineers operates from an 8-acre site in Wakefield, England, with over 15,000 square metres (162,000 square feet) of factory space serviced by 40 tonne cranes and an under-hook working height of 13 metres (43 feet). The Company is capable of offering a comprehensive 'one-stop' service supported by experienced quality and project engineers, who utilise the latest Enterprise Resource Planning software to ensure accurate on-time deliveries to customised specifications.

Main (left): Fabrication Facility

Top: Dual Hose Reeler

Bottom (left): Subsea 'Christmas' Tree Frame incorporating Debris Cover, Upper Frame, Lower Frame, Guide Base and Flow Base

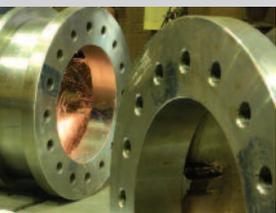
Bottom (right): ROV Launch and Recovery System

Special Purpose Machinery

- Subsea Tree Frames
- Flow Bases
- Guide Bases
- Over-Trawlable Structures (including Design)
- Tree Running Tools
- Installation and Handling Equipment
- Machined Centre Cans and Rings
- "A" Frames
- Winches
- Tensioners

Our Engineering Heritage

An established member of Group Rhodes, Beauford Engineers has an engineering heritage dating back to 1824. The Company has a reputation in the market place not only for excellence in workmanship, service and finish, but also for the technical and innovative nature of its products.



Main (right): Machining Facility

Top (left): Receiver Structures

Top (right): High Precision Valve

Bottom: Spool Tree complete with ROV Panel

for the Oil and Gas Industry

- Under Rollers Test and Shipping Skids
- Skid Mounted Packages
- Reels
- Umbilical Terminations, Flanges and Triggers
- DNV 2.7.1 Shipping Baskets and Skids
- ROV Panel Assemblies
- ROV Intervention Equipment
- Jewellery Items
- Swivel Connectors
- Receiver Structures

MACHINING DIVISION

Beauford Engineers offers one of the UK's most comprehensive machining facilities, complete with a range of CNC and conventional machinery ideally suited for the Oil and Gas and Process markets.

The machining division is equipped with:

- Heavy Horizontal Boring
- Heavy Vertical Boring
- Light and Heavy Precision Machining
- Light and Heavy Milling
- Light and Heavy Turning
- Drilling
- Planing
- Gear Cutting
- Shot Blasting
- Stress Relieving

The extensive range of machines tools allow Beauford Engineers to offer a turnkey service ranging from fully machined major assemblies such as permanent guide bases and tree frames through to ROV panels, connectors, and precision components.

FITTING, ASSEMBLY AND TESTING DIVISION

All new and refurbished machinery is manufactured in-house and is supported by a well-equipped Computer Aided Design Department covering mechanical, electrical, hydraulic and software engineering disciplines. The Company is capable of undertaking mechanical, hydraulic and pneumatic high-pressure testing (including gas, oil and hydro) up to 20,000 psi. A comprehensive 5-metre deep test pit facility and semi-clean room assembly environment is available, complete with LK G80 Micro Vector testing equipment.

Shot blasting is carried out to standard SA21/2 for carbon steels, while surfaces to be coated can be subject to near white metal blast cleaning in accordance with standard SSPC-SP10. Together with a dedicated stress relieving, painting and finishing division, Beauford Engineers offers a complete service for technical fabrication and machining projects, approved to ISO 9001 and ISO 14001.

Recent Projects



Customer: AGR Group
Project: Powered Reel System
Use: Laying cable



Customer: Cameron
Project: Torque Reaction Base
Use: The extraction of oil from the seabed.



Customer: Baricon Systems Ltd
Project: Cable Tensioner
Use: Laying cables



Customer: Baricon Systems Ltd
Project: Cable Tensioner
Use: Laying cables



Customer: Cameron
Project: Flooding Caps
Use: The extraction of oil and gas from the seabed.



Customer: Caltec Limited
Project: Pressure Vessels
Use: Gas and oil separation

Recent Projects



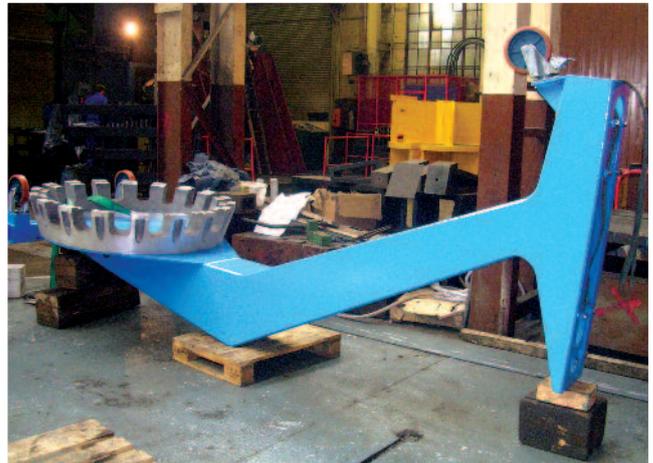
Customer: Converteam
Project: Electrical Housing Unit
Use: Used on the new aircraft carrier



Customer: Vetco Gray Norway
Project: Over Trawlable Structure
Use: Oil and gas extraction from the seabed



Customer: GE Aberdeen
Project: Guide Base
Use: Oil and gas extraction from the seabed



Customer: Royal Observatory
Project: Telescope Bracket
Use: Bracket for high powered telescope



Customer: Pearson Engineering
Project: Pivot Fronts
Use: Protection system fitted to military vehicles



Customer: Cameron
Project: Shipping Skid
Use: Transporting goods



Bespoke Handling System for Billets of Steel



HANDLING SYSTEMS DIVISION

Beauford Engineers Handling Systems Division designs and manufactures heavy mechanical handling equipment for transporting and manipulating components up to 150 tonnes. The Company has extensive experience in all aspects of the iron and steel industries, in particular steel processing and nuclear industries, and is capable of tailoring handling systems to suit a customer's exact requirements.



The Beauford material handling machinery range includes:

- Hot Metal Ladle Transfer Cars
- Scrap Metal Basket Transfer Cars
- Ladle Tilters
- Converter Doors
- Vacuum Degassing Platforms
- Tun-Dish Handling Equipment
- Ingot Handling Equipment
- Slab Handling Equipment
- Bloom Handling Equipment
- Billet/Bar Handling Equipment
- Plate Handling Equipment
- Section Handling Equipment
- Merchant Bar Handling Equipment



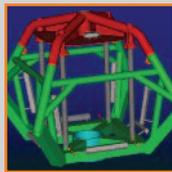
15 Tonne Cable Tensioner



12"-10K C.H.C. Fabrication Stands



Remote Operated Vehicle (ROV) Panel



Subsea Structure



A Group Rhodes Company



Data provided in this literature is an approximate guide and shall not be contractually binding. The policy of Beauford Engineers is one of continuous product development. The right to change specification and design at any time without notice is reserved. 3M/1107/CM

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