



Oil and Gas

As Europe's leading speciality metals company we offer a extensive range of high strength corrosion resistant materials to meet the most demanding environments found in the Oil and Gas Sector.

Topside Applications

Offshore rigs must meet the challenge of maintaining structural integrity while limiting corrosion in a variety of seawater applications, pressure vessels, process equipment, pumps, valves and seawater fire protection systems. These all utilise super duplex UNS S32760 (ZERON® 100) and duplex 2205 to combat corrosion.

Subsea Applications

Process equipment operating in depths of excess of 9000 feet perform at extreme temperature and pressure. The challenge of operating in this environment is met by equipment manufactured in alloy 625 and super duplex stainless UNS S32760 (ZERON® 100) which have an excellent resistance chloride-ion SSC and crevice corrosion.

Downhole Applications

The severe conditions encountered during exploration and drilling see the utilisation of nickel alloys 718, 625, 725, K500 alongside super duplex stainless steel UNS S32760 (ZERON® 100).

Associated Alloys:

Nickel & Titanium Alloys
Alloy 400
Alloy 625
Alloy 718
Alloy 725
Alloy 825
Alloy C276
Alloy K500
Titanium Grade 5
X-750

Duplex Stainless Steels
F51
UNS S32205
USN S31803 / 2205

Super Duplex Stainless Steels
F55
UNS S32760
ZERON® 100
ZERON® 100 AFP

Stainless Steels
A-286
AL-6XN®
Nitronic 50
Nitronic 60



Commonly Used Applications:

- Subsea Connectors
- Wellhead Equipment
- Down Hole Tooling
- Fasteners
- Valves
- Process Equipment

Materials Approved By:



PRODUCT FORMS

Available product forms:

- Plate
- Sheet
- Coil
- Bar
- Pipe
- Tube
- Fittings
- Flanges
- Welding Consumables
- Added Value Components
- Machined Components
- Valve Seats
- Precision Ground Bar & Shafts

PROCESSING

- Laser
- 2D Laser Inspection
- Waterjet
- Guillotine
- Bar Saw
- Positive Material Identification
- Plate Saw
- Metal Spinning

In addition to the wide range of alloys and product forms available from stock, our Sheffield Conversion Centre can now offer a range of items produced by:

- Open and Closed Die Forging
- GFM Forging
- Rolling
- Heat Treatment
- Machining / Grinding

Qualified metallurgists control all processing, inspection, mechanical and corrosion testing and NDT.

LABORATORY SERVICES

Our laboratory provides:

- Laboratory testing
- Failure analysis
- Metallurgical and corrosion consultancy service
- Materials selection, process and application review
- Plant / site visit - supporting asset management programme
- Formal technical reports

OUR LOCATIONS

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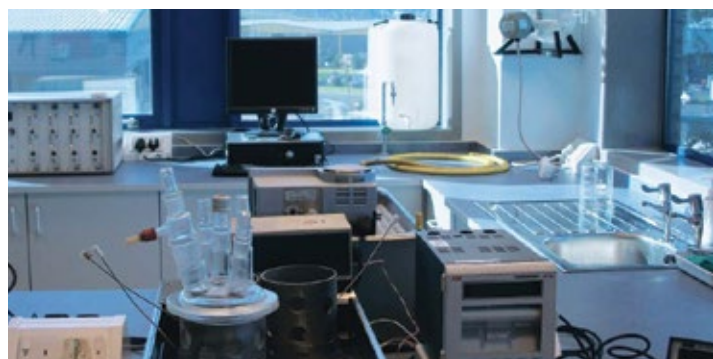
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TECHNICAL PROBLEM?

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