



CORUS

Corus International

New horizons

Supply solutions in
offshore structural steel



Corus is one of the world's leading steel suppliers. Formed in 1999 by the merger of British Steel and Koninklijke Hoogovens. Corus employs around 50,000 people worldwide with the capacity to produce 21 million tonnes of steel and some half a million tonnes of rolled and extruded aluminium products a year. Corus also processes and distributes metal products and provides related services in design, technology and consultancy.

Corus International is the specialist, dedicated supply chain management business unit within Corus with annual sales of 8 million tonnes of steel and a worldwide network of offices. We currently operate out of 68 offices in 48 countries and have a wide range of strategic alliances with mills, stockists and partners around the world. As such Corus International offers bespoke, steel supply solutions covering all specialist needs and has a proven track record of offering tailored packages for offshore projects and to a wide variety of sectors across the world. We operate a quality system which complies with the requirements of EN ISO 9001:2000.

It is by combining our expertise and services innovatively and effectively, that we at Corus are able to offer our customers a complete solution, whatever the project, wherever in the world.

Corus has a long and successful track record in the supply of structural products into the Offshore Oil and Gas Industry. These steel products were originally developed for the North Sea, but their application and use has now extended into the major offshore hubs such as the Middle East, South East Asia, the Caspian, West Africa, Central/South America and, of course, Europe.

We at Corus International have built on this experience by leveraging our own competencies in logistics, supply chain management and global procurement to provide tailored packages to offshore fabricators, contractors and designers.

We are able to provide multi-product packages for both conventional and floating structures and have the logistical and supply chain expertise to manage projects in all corners of the globe. As the offshore industry has developed beyond the North Sea, we have kept pace with developments and are capable of providing solutions for warm, temperate and cold seas, as well as having the ability to support deep-water activity in Africa or South America.

We are continually expanding our office network and evaluating new markets for which a local presence would bring us strategic advantage.

An important part of our strength is our relationships with other suppliers. Corus International purchases 2 million tonnes of material from sources other than Corus business units every year and this gives us the ability to supplement our own mills' supply with products from other mills and build packages to suit every budget and ultimate destination.

Available products include, but are not limited to, Plates, Sections, Structural Tubulars, Cans, Fabricated Components, Gratings and Handrails. In addition, we also have stockholding facilities in North America, the Middle East and the Far East and can supplement our supply with the provision of plate and section stock from both internal and external sources.

Our international network is co-ordinated via four regions, namely Europe, the Middle East, the Far East and the Americas.

We provide the flexibility and dynamism of Corus International, whilst retaining our roots within Corus as a respected and credible partner. This gives a unique dual strength to our operations, which is supported by our ability to source materials in established and emerging markets across the globe.



Exploring opportunities

Corus International has the experience and technical expertise to provide solutions in structural steel for the most demanding offshore environments.

New horizons

Offshore environments demand total reliability and professionalism from suppliers and technical partners.

Corus International network



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Supply chain management

Experience, knowledge and trust all bring added value to the supply chain.

Supplying a wide range of Corus and non-Corus products, and a comprehensive range of added value services, we can eliminate your interface risk and reduce your procurement costs. Suppliers are assessed, approved and performance closely monitored to ensure their compliance with contract requirements and specifications.

Corus International has its own, in-house technical expertise and is also able to call on the broad product knowledge within Corus producing mills. This is further supported by the extensive experience and resources of the Corus Group research departments, who are able to deal with any specialist requirements that may arise.

This enables us to offer a fully comprehensive technical service at all stages of your project from design through to installation.

Our logistics teams are expert in dealing with complex supply-chain issues, including consolidation of materials from multiple sources and ensuring that goods arrive on time, in full, in good condition at your chosen destination around the world.

Our customers need to be able to rely on a dependable partner, capable of dealing with complex offshore requirements.

Corus International has evolved into a specialist project management organisation equipped to deal with major contracts.



Our experience has taught us that stock is an essential part of any project philosophy to cater for quick start-up as well as shortfalls or design changes. Consequently, we have invested in stock material in a number of strategic locations to ensure we can provide you with the security of supplies at short notice. In addition, we have built partnerships with distributors across the world to enhance our service capability.

Our project teams regularly manage production progressing, expediting, and inspection as well as having the capability to deal with your documentation requirements and customs formalities.

Expertise in export finance, project finance, performance guarantees, transactions in foreign currencies and other financial services all generate innovative solutions for our customers.

Our blend of 'know how' and scope of value added services ensures that we provide our customers with a dedicated supply-chain solution.

Offshore structural steel specifications



European	British	German	Norwegian	American	Typical application
Plates & tubulars					
EN10225	BS7191	Werkstoff	Norsok M-120	API	
S355G2+N	355D	1.8801+N	-	-	Secondary Structure
S355G3+N	355E	1.8802+N	-	-	Secondary Structure
S355G5+M	355D	1.8804+M	-	-	Secondary Structure
S355G6+M	355E	1.8805+M	-	-	Secondary Structure
S355G7+N	355EM	1.8808+N	-	2H Gr. 50	Primary Structure
S355G7+M	355EM	1.8808+M	-	2W Gr. 50/50T	Primary Structure
S355G8+N	355EMZ	1.8810+N	Y21 S355N3	2H Gr. 50	Critical Joints
S355G8+M	355EMZ	1.8810+M	Y21 S355M3	2W Gr. 50/50T	Critical Joints
S355G9+N	-	1.8811+N	Y25 S355N4	-	Primary Structure
S355G9+M	-	1.8811+M	Y25 S355M4	-	Primary Structure
S355G10+N	-	1.8813+N	Y20 S355N4z	-	Critical Joints
S355G10+M	-	1.8813+M	Y20 S355M4z	-	Critical Joints
S420G1+Q	-	1.8830+Q	Y35 S420Q3	2Y Gr. 60	Primary Structure weight saving
S420G1+M	-	1.8830+M	Y35 S420M3	2W Gr. 60	Primary Structure weight saving
S420G2+Q	-	1.8857+Q	Y30 S420Q3z	2Y Gr. 60	Critical Joints weight saving
S420G2+M	-	1.8857+M	Y30 S420M3z	2W Gr. 60	Critical Joints weight saving
S460G1+Q	450EM	1.8878+Q	Y45 S460Q3	2Y Gr. 60	Primary Structure weight saving
S460G1+M	450EM	1.8878+M	Y45 S460M3	2W Gr. 60	Primary Structure weight saving
S460G2+Q	450EMZ	1.8887+Q	Y40 S460Q3z	2Y Gr. 60	Critical Joints weight saving
S460G2+M	450EMZ	1.8887+M	Y40 S460M3z	2W Gr. 60	Critical Joints weight saving
Sections					
EN10225	BS7191	Werkstoff	Norsok M-120	API	
S355G1 (+N)	355D	1.8814(+N)	Y03 S355N1	-	Secondary Structure
S355G4 (+M)	355D	1.8803(+M)	-	-	Secondary Structure
S355G11	355EM	1.8806	-	-	Primary Structure
S355G11+N	355EM	1.8806+N	Y26 S355N3	2H Gr. 50	Primary Structure
S355G11+M	355EM	1.8806+M	Y26 S355M3	2W Gr. 50/50T	Primary Structure
S355G12	355EMZ	1.8809	-	-	Critical Joints
S355G12+N	355EMZ	1.8809+N	Y21 S355N3	2H Gr. 50	Critical Joints
S355G12+M	355EMZ	1.8809+M	Y21 S355M3	2W Gr. 50/50T	Critical Joints
S420G3	-	1.8851	-	-	Primary Structure
S420G3+M	-	1.8851+M	Y36 S420M3	2W Gr. 60	Primary Structure
S420G4	-	1.8859	-	-	Critical Joints
S420G4+M	-	1.8859+M	Y31 S420M3z	2W Gr. 60	Critical Joints
S460G3	-	1.8883	-	-	Primary Structure
S460G3+M	-	1.8883+M	Y46 S460M3	2W Gr. 60	Primary Structure
S460G4	-	1.8889	-	-	Critical Joints
S460G4+M	-	1.8889+M	Y41 S460M3z	2W Gr. 60	Critical Joints
Mobile Offshore Units					
EN		Werkstoff	Shipbuilding	API	
EN 10025 S355 27J@-40C		-	E36 / EH36	-	Mobile Structures
EN 10113 S420ML		1.8819	E40/E420	2W Gr.60	Mobile Structures
EN 10113 S460ML		1.8838	E460	2W Gr.60	Mobile Structures
EN 10137 S460QL		1.8906	E460	2Y Gr.60	Mobile Structures



Corus International supplies a wide range of Corus and non-Corus products from our own mills or approved suppliers. These can be supplied in a range of grades, dimensions and with extra processing if required.

Plates

Corus International can supply Offshore Plate in line with all the plate specifications detailed above e.g. BS 7191, EN 10225 and API 2H as well as ASTM A36, ASTM A572 and many other international specifications. Plate material can be supplied in a range of standard or tailored sizes or alternatively profiled, rolled or painted as described in the extra processing operations below.

Structural tubulars

Fabricated structural tubulars, for offshore structural applications such as jacket legs and frames, are available broadly in line with the plate specifications detailed above e.g. BS 7191, EN 10225 and API 2H as well as ASTM A36, ASTM A572 and many other international specifications. Fabrication is normally undertaken using the submerged arc welding process in accordance with either AWS or EN welding procedures to ensure the highest levels of quality. Corus International can also arrange to supply welded or tacked cans for jacket and node manufacture.

Seamless tubulars

Seamless tubulars are available in addition to the welded tubular products described above and are also available in accordance with EN 10225 and BS 7191 specifically for offshore structural use.

Structural sections

Corus International can supply structural sections in accordance with offshore grades such as EN 10225 and BS 7191. A full range of sections, sizes and specifications is available on request.

Bulb flats

Bulb flats are increasingly specified as a technically efficient stiffener in offshore fabrication. Corus International can supply a full range of sizes required for offshore fabrication in accordance with the regulations of the major shipbuilding classification societies, as well as BS 7191 and EN 10225 on request.

Extra processing

Corus International can offer an extensive range of plate and section extra processing operations including can rolling, shot blasting and priming, bevelling, cutting, forming, profiling, cambering and drilling. We would be pleased to discuss your individual requirements in order to build a package to suit your individual project.

All products described here can be specified in alternative grades such as BS 4360 Grades 50D/DD, EN 10025 S355J2/K2 ASTM A572 Grade 50 or ASTM A36 for warmer water applications. Full details of our complete range of specifications are available on request.



Health and safety

Corus ensures the health, safety and well-being of its employees, contractors, visitors and neighbouring communities.



High priorities

A positive health and safety culture is encouraged, which only accepts safe behaviour. Corus aims to continuously improve safety performance and ensure safe operating practices.

Hazards, risks and control measures

It's worth not taking the risk. We will identify the hazards and risks associated with our activities starting with our major risks. We will put in place appropriate control measures and challenge them in the context of change, so that we aim for continuous improvement.

Contractors and joint ventures

A good relationship is based on trust. Our health and safety standards apply equally to contractors and Corus employees. We believe our joint venture companies should aspire to the Corus health and safety ethos.

Committed to environmental standards



Sustainability

Corus considers care for the environment to be essential both in terms of our duty to society and to ensure the continuity of our business.

We are committed to protecting the environment by minimising the impact of our operations and our products through the adoption of sustainable practices and through continuous improvement in environmental performance and control.



Corus places great emphasis on the contribution we make to a sustainable society and is committed to incorporating the principles of sustainable development into all aspects of our operations. Steel and aluminium are the world's most recyclable and recycled materials. Over 40% of the world production of 'new' steel is made from old steel, and 35% of 'new' aluminium is made from old aluminium.

Much of the steel and aluminium in use today will be recovered, melted and used again by future generations in completely different applications.

Corus is a member of the International Iron and Steel Institute and supports its policies on Environmental Principles, Life Cycle Assessment and Climate Change.

These can be found on the IISI website at www.worldsteel.org.

Implicit within such a quality system is that Corus International will only procure material from companies with audited quality systems and a demonstrable capability to supply material both in accordance with the required specification and of a quality with which Corus International is prepared to be associated.

New suppliers are audited to ensure that quality standards are maintained. In addition, we review and monitor suppliers during production to ensure that the quality of their products matches our required standards.

For offshore projects, where required, we work with third party inspectors to ensure that all testing and inspection requirements agreed at the pre-production stage are met in full. Corus International may also supplement this process with in-house surveyors, who monitor production at the relevant manufacturing locations, as well as pre-shipment. Loading and discharge surveys are routinely carried out to ensure material is despatched in prime condition and reaches the end client in perfect order.

In addition to pre-production and in-process checks, Corus International performs customer satisfaction surveys and supplier performance analysis in the pursuit of continuous improvement.

Quality assurance

www.corusinternational.com

Care has been taken to ensure that this information is accurate, but Corus Group plc, including its subsidiaries, does not accept responsibility or liability for errors or information which is found to be misleading.

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