



STS | S T E E L
T R A D I N G
S O L U T I O N S

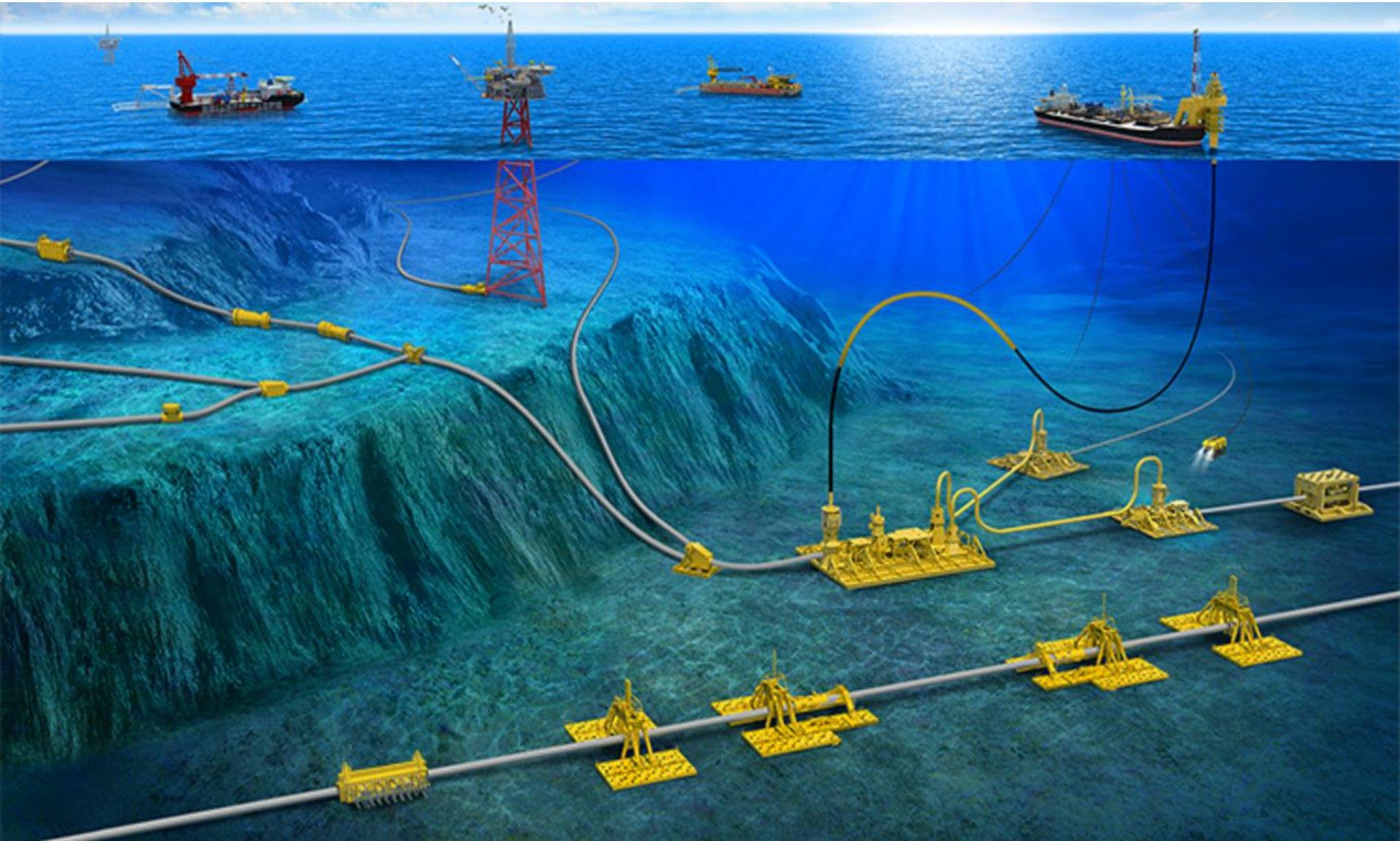


ABOUT

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Steel Trading Solutions is a key partner in supplying customers in the energy, infrastructure, and mining sectors in Australia and Southeast Asia with specialised steel products by leveraging a global network.

As a project partner who delivers tailored steel packages based on the requirements of our clients, we operate as an experienced steel trading management team with over 40+ years' industry experience delivering tailored steel packages. We have a thorough understanding of projects, we work closely with our customers, utilising both internal risk management procedures and our network of strategic partners around the world, to support them make decisions that add value to their projects. Projects are executed in a clear and open manner to foster confidence in our ability to provide excellent results without sacrificing safety and quality.







Company Overview

- A global leader in the supply and distribution of high strength structural steels, tubulars, process piping materials and semi finished products (forgings / castings) as part of our long-standing traditional business model.
- We have evolved our business model to provide Integrated Project Management (IPM) including Fabricated Solutions as part of our evolution into becoming more than just a steel distributor.
- We provide project material management to internationally recognizable Owners, EPC & OEM Companies, Fabrication Companies and Shipyards.
- All our products are produced by leading manufacturers and are subject to STS's Quality Control procedures during production, shipment and delivery.
- Access to our partners various stockholding facilities globally to provide maximum support to our global client base.
- Technical Support, Logistic Solutions, Project Management and other related services as part of our traditional offering to our clients.

Our Strengths

Long-Standing Mill and Manufacturing Relationships

Clients benefit from our close relationships with leading suppliers across multiple product lines. These relationships, established over many years, help manage the complexities inherent in multi-faceted projects with complex requirements and delivery schedules.

Product and Technical Knowledge

We offer premium products and specialty materials capable of performing in the harshest conditions and most challenging environments; and our commercial, quality, and operational management teams know each product and material well. Our staff come from a broad range of training and experience from engineering, to metallurgy, and project management to manufacturing. This makes us a diverse, in-depth resource for our customers.

Worldwide Access to Inventory and Logistics Expertise

Our network of strategic vendor relationships offers our customers access to materials and project coordination across the globe. Our global network ensures fast and efficient deliveries.

Quality and Project Management

We provide experienced document, quality, and project management services to ensure that customers' materials are delivered as required and on schedule, including coordination with multiple parties involved within a complex project.



Quality and HSE

- The energy, infrastructure and mining sectors are subject to rigorous standards related to health, safety, and the environment. Our customers must be confident that the materials they use are fully certified, traceable, and meet applicable quality specifications.
- At STS, we partner with leading manufacturers who meet or exceed all applicable industry standards.
- Our Quality/HSE employees are knowledgeable and experienced. We continuously train our personnel in order to improve and expand their knowledge and skill sets.

STS Philosophy

STS is a trader who provides Integrated Project Management Solutions (IPM) to create a value adding and sustainable business model

We are evolving because we want to:

- ✓ Mitigate Risk for our Clients, Suppliers, Shareholders and Ourselves
- ✓ Grow our value and eliminate waste for our customers
- ✓ Meet and exceed our quality obligations
- ✓ Work within a “Right First Time” philosophy
- ✓ Promote our capability to manage more complex projects in terms of:
 - additional processing and testing of steel materials
 - complex logistics solutions
 - fabricated solutions including pipe spooling, modules...

In parallel to our traditional steel product trading business

Client Expectation

“Our Customers expectations are evolving”

We are being asked to:

- Manage a high-risk supply chain across multiple geographies
- Provide robust support during manufacturing and production
- Understand and manage increasing rigour in relation to technical specifications, inspection requirements, and documentation
- Carry out additional process to our products
- Handle increasingly complex logistics scenarios
- Proactively manage contractual risk from our customer and supply chain
- Manage multiple international entities (Client and Suppliers) on a single project



Our Point of Difference

STS's Integrated Project Management Solutions create a value adding model for us to evolve from a product Trader and promote our capability to handle more complex projects.

- Mitigate risk for our clients, suppliers and STS
- Eliminate waste and grow profitability for all parties involved
- Work within a “Right First Time” philosophy

Customer and Supplier Service

- Processing and Testing of Material
- Complex Logistics Solutions
- Fabrication Solutions
- Project Management
- Document Control
- Technical Support and Experience

Australian Local Content

International Steel Trading and Consulting Pty Ltd

Trading as Steel Trading Solutions

ABN 9765 254 7110

ACN 652 547 110

Registered Head Office: Perth



Steel Trading Solutions does not seek to compete with Australian steel manufacturers. Instead, we complement the local industry by providing steel products that are not readily available in Australia—empowering our customers to compete globally and manufacture more locally

STS's model also includes certain work to be carried out in Australia buy Australian companies, subject to final confirmation;

- Risk Management
- Project Management including but not limited to:
 - Inspection Management
 - Expediting Management
 - Document Submission
- Logistics
- Subcontract Placement with Domestic and International Project Partners
- Project Communications
- Potential to supply Australian Made Steel to our project partners for Fabrication.

How we add value to our Customers and Suppliers

Value-Add for Suppliers

- Sales and marketing support
- Reduced investment in working capital
- Consistent, high-volume purchaser
- Knowledge of customer spending plans and material requirements
- Local in-country knowledge
- Support with local content requirements
- Documentation and Inspection

Suppliers



Customers



GE Oil & Gas



Value-Add for Customers

- Broad specialised product portfolio
- Global logistical support and procurement services
- Understanding of supplier pricing, capacity and lead times
- Technical expertise and product selection consultation
- Match the right vendor to the client's requirement
- Access to critical inventory available near major domestic and international hydrocarbon producing regions

Strategic Supplier Relationships



voestalpine



ArcelorMittal



BUTTING



officine
ambrogio



- Established relationships with premier international suppliers that guarantee product volume and quality
- Multiple sources for products
- Strong supplier relationships that produce
 - “Favoured” supply channel
 - “Protected” supply agreements
- Customers’ specifications met in a cost-effective manner

Products and Services

Plate



- High Yield Structural Grades
- Offshore Quality Grades
- Arctic Steels
- Clad Material
- Shipbuilding Steels
- Specialty Steels
 - Proprietary and Modified Steels
 - Abrasion Resistant
 - Armor Plates
- Stainless
- Duplex and Super-Duplex
- Nickel alloy

Sections



- Highly Engineered Sections
 - Universal Beams and Columns
 - Channels
 - Euro Norms
 - W Sections
 - S Sections
 - C Sections
 - Equal and Unequal Angles
 - Flat and Round Bars
 - Bulb flats

Pipe & Tube and Components



- Structural applications
 - Seamless
 - SAW/ERW
 - Sections
- Process applications
 - Seamless and Welded
- OCTG
 - Seamless and welded tubing and casing
 - Premium connections
 - Tubular accessories
- Pipe components
 - Fittings
 - Flanges
 - Gaskets & Bolts

Valves



- Ball valves
- Gates, globes and checks
 - Forged steel valves
 - Alloy valves
 - Wafer check valves
- Butterfly
- Actuation packages
- Plug valves
- Bleeder plugs
- Manual actuation accessories
- Automation controls

Project Management and Services



- Project Management
 - Market consultation
 - Technical guidance
 - Supply Chain Management
- Services
 - In-house profiling
 - Cutting
 - Coating and Finishing
 - Custom Fabrication
 - Valve Automation
 - Testing

Typical Material Specification

Offshore Structural

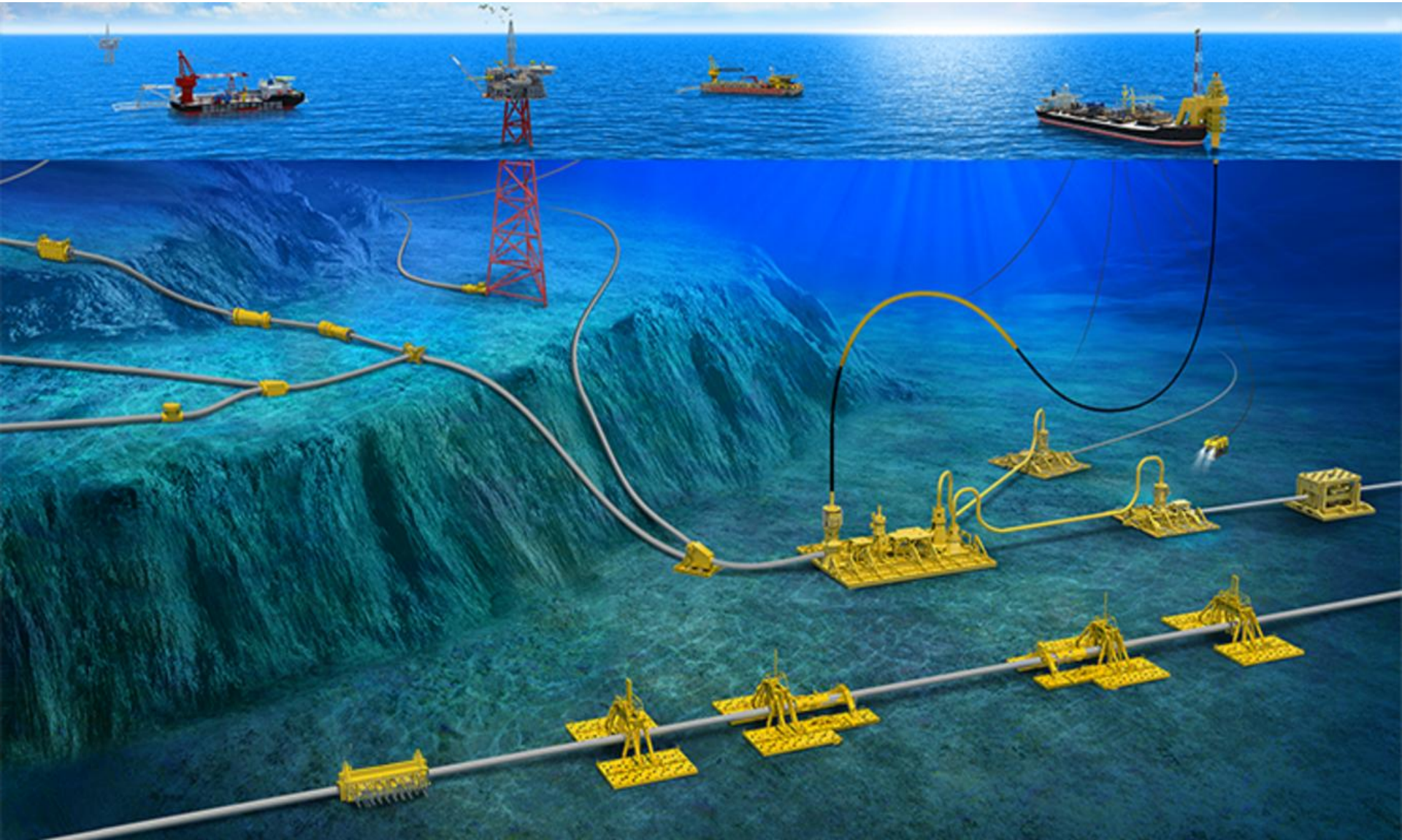
- European Grades
EN10225 S355, S420, S460, S690
ML and MLO
- API Grades
2W, 2H Grade 50, Grade 60, Grade 80
X42, X52, X56, X60, X65, X70, X80
- ASTM Grades
A131, A, B, D, E, AH, DH, EH, FH
- Ship Building Grades
ABS, BV, DNV, GL, LRS, NV, FQ, EQ
- Norsok
MDS – Y20, Y25, Y30, Y35, Y40,
Y45, Y50, Y55
- Cald Plate
Explosion Bonded and Weld
Overlay Clad

Onshore Structural

- European Grades
EN10025 , EN10219, EN10210,
S235, S275, S355
- JR, J2, J0, K2, ML, QL
- ASTM Grades
A572 Grade 50, 60, 65
A514 Grade B, F, H, Q
A36. A992,
- API Grades
X42, X52, X56, X60, X65, X70, X80
- Pressure Vessel Grades
ASTM A516 Grade 60, 65, 70
ASTM A517
EN10028 P275, P355, P460, P490
-NL, NL2, NL2, NLH
- AS/NZS Grades
3678, 3679, 1163
- Japanese Grades
JIS G3106, G3106, G3136
- Cald Plate
- Clad Pipe Fittings and Flanges
Explosion Bonded and Weld
Overlay Clad

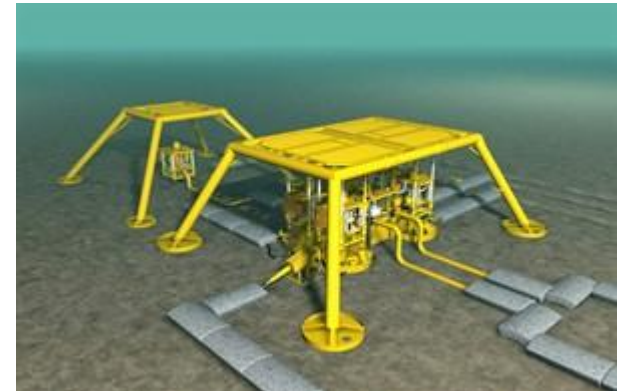
Process Pipe, Fittings and Flanges

- Stainless Steel, Duplex, Super Duplex
 - Duplex UNS S31803, F51
 - Super Duplex UNS S32750, UNS
S32760, F53, F55
 - 300 Series
 - 400 Series
- Chrome Molly, Nickel Alloy & Alloy
 - P Grades (P5, P9, P11, P22, P91,
P92 etc)
 - Nickel Alloy 625, 825, C276, 800,
400, 601, 600, 201, 200, 690, 693
- Carbon Steel & Low Temperature CS
 - A106 A, B, C, WPB, WPC, A105
 - A333-6, A420 WPL6, A350 LF2
 - ASTM A671 & 672
- High Yield Carbon Steel
 - X42, X52, X56, X60, X65, X70, X80
 - WPHY 42, 52, 56, 60, 65, 70, 80
 - F42, F52, F56, F60, F65, F70, F80
- Cald Pipe Fittings and Flanges
Explosion Bonded and Weld Overlay
Clad



Energy Business Segments and Product Profile - Subsea

- Mud mats
- Subsea Protection Structures
- Subsea Process Modules
- Subsea Pipelines
- Subsea Wellheads
- Subsea Trees
- Subsea Templates & Manifolds
- PLET
- PLEM
- Subsea Spools



Energy Business Segments and Product Profile - Subsea

- Offshore Grade Structural Steels
 - Plate
 - Beams and Channel
 - Seamless and Welded Tubulars
- Process Piping
 - Pipe
 - Fittings
 - Flanges Valves
 - Specialty Forgings
- Clad Steel
 - Explosion Bonded or Weld Overlay
 - Plate
 - Pipe, Fittings and Flanges



Energy Business Segments and Product Profile – Subsea - Specialty Forgings

- Products

- Forged Bars
- Specialty Forgings
- Cladded flange weld overlay
- Spool Pieces
- Stub Ends
- Y Pieces
- Misalignment flanges
- API Blocks
- API Flanges
- Swivel Rings
- OEM Clamp Connectors





Energy Business Segments and Product Profiles - Offshore

- Production Platforms (Jackets and Topsides)
- FPSO, FSO (Topsides and Mooring Systems)
- FLNG
- Jack Up Rigs and Offshore Wind Lift Boats
- Renewable – Jackets, Monopiles, Pin Piles
 - Offshore Grade Structural Steels
 - Plate
 - Beams and Channel
 - Seamless and Welded Tubulars
 - Process Piping
 - Pipe
 - Fittings
 - Flanges Valves
 - Specialty Forgings
 - Point to Point – Processed Products
 - Cut to size and processed Tubular
 - Nodes
 - “Y” Pieces Fabricated

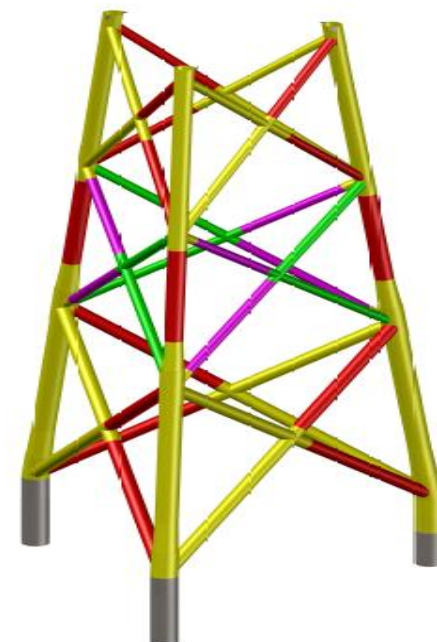
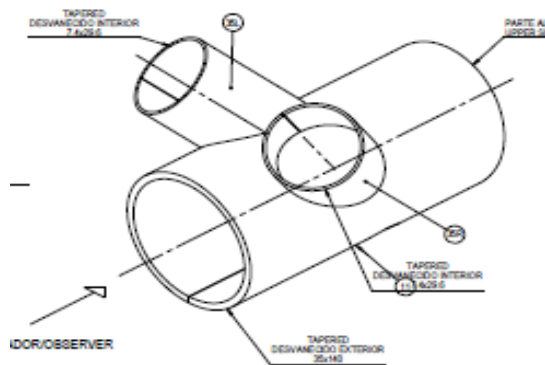


Energy Business Segments and Product Profiles – Offshore - Point to Point

PRODUCTS:

Processed or Semi Fabricated Products for Clients further Fabrication:

Pipe Sections, Nodes, Brace Pipes



Energy Business Segments and Product Profiles – Offshore - Point to Point

Global Raw Material Supply Chain

Steel Plates

Steel Section

Steel Tubulars
Cones

Processed Tubulars

Detailed End
Preparation

Saddle Cutting of
Stubs pieces

Point to Point
Welded Tubulars

Semi Fabricated Products

Detailed Piles

Node Welding

Transition Pieces
and Skids

Energy Business Segments and Product Profiles – Offshore - Conductor Pipe

ERW:

Diameter: 16" (406.4 mm) → 26" (660.4 mm)
Wall Thickness: 3/8" (10 mm) → 1" (25.4 mm)

SAW:

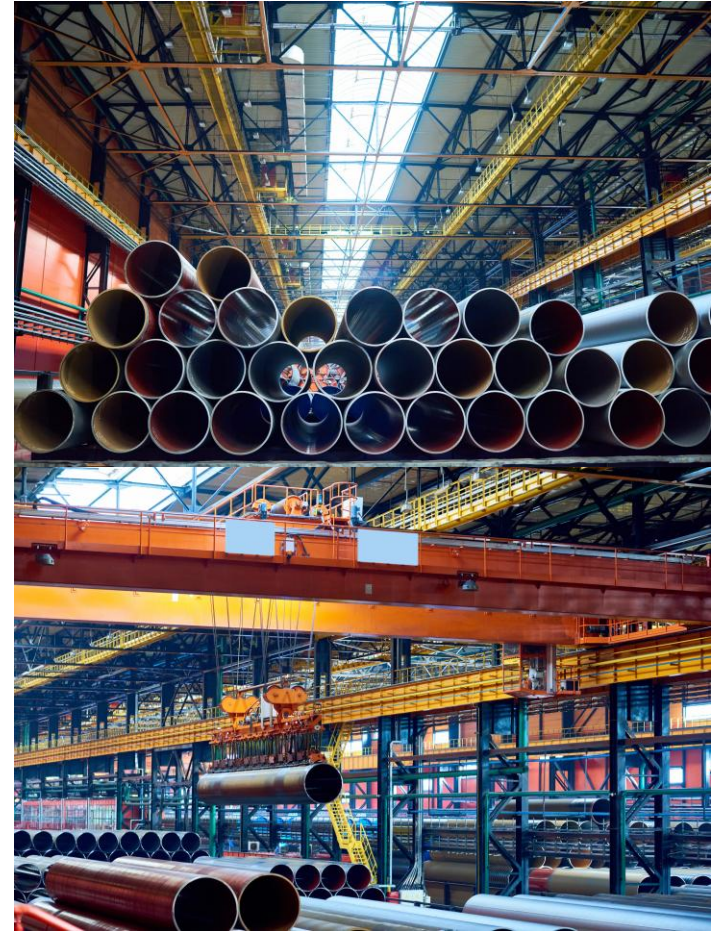
Diameter: 20" (508 mm) → 42" (660.4 mm)
Wall Thickness: 3/8" (10 mm) → 2" (50.8 mm)

Grades:

API 5L X42, 52, 56, 60, 65, 70, 80 & 100 – PSL2

Manufacture:

CVN 42J Min Average / 29J Min Single @ -20 Deg C
Roundness Following Table J3 Of API 5L





Energy Business Segments and Product Profiles – Onshore and Carbon Capture

- LNG Trains
- Process and Compression Modules
- Pipe Racks
- Pipelines
 - Process Piping
 - Pipe
 - Fittings
 - Flanges Valves
 - Specialty Forgings
 - Clad Steel
 - Explosion Bonded or Weld Overlay
 - Plate
 - Pipe, Fittings and Flanges
 - Pipeline
 - Coated Line Pipe



Energy Business Segments and Product Profiles – Onshore and Carbon Capture - Pipelines

Pipelines for Onshore Applications

Pipelines for Offshore Applications

Bends (3D and 5D), Special Fittings and Flanges for Pipeline requirements

PRODUCTS:

Seamless and Welded Line pipe

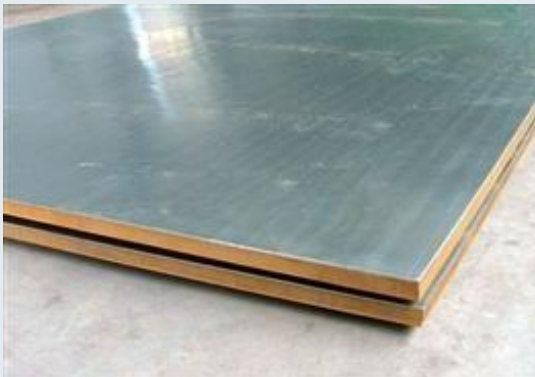
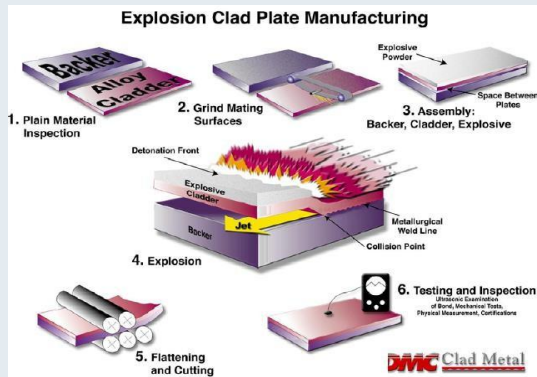
Pipe Coating, Inspection, Testing, Technical Support

Logistic Solutions



Energy Business Segments and Product Profiles – Onshore and Carbon Capture - Clad Material

Composite Steel Plate Production



Composite Pipe Production



Composite Pipe Fittings Production



Energy Business Segments and Product Profiles – Onshore and Carbon Capture - Clad Material

Manufacturing Standard

- SY/T 6623
- API Spec 5LD
- DNV-OS-F101
- GB/T 37701

Material Type

- **Cladding Material:** 410, 304L, 316L, 321, 2205, 254SMo, 825, 625
- **Substrate:** Q245R, Q345R, L245 ~ L485, 15CrMoR, 09MnNiDR

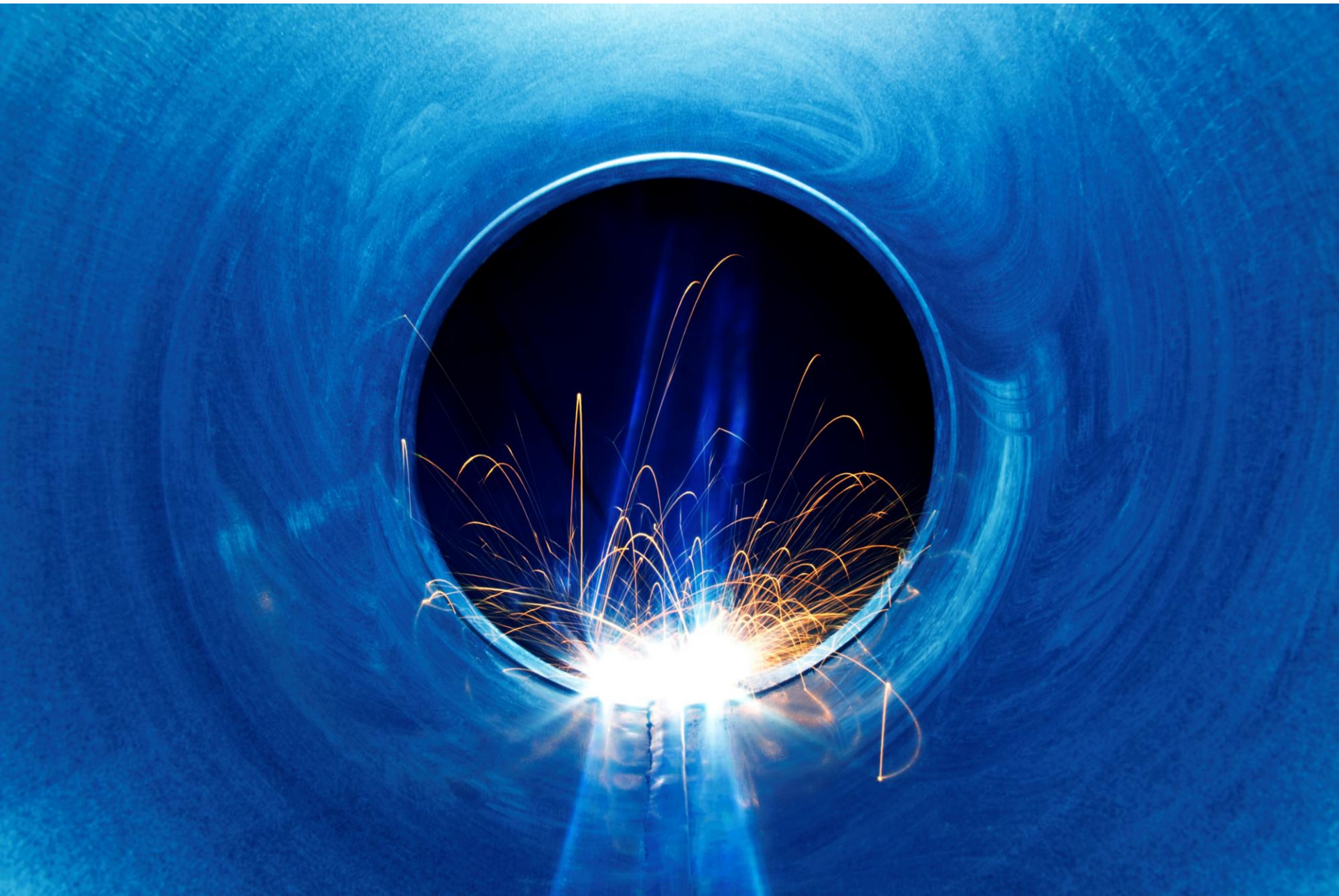
Product Specification

- **Pipe Diameter:** DN150 ~ DN2000
- **Cladding Wall Thickness:** 2 ~ 5mm
- **Substrate Wall Thickness:** 6 ~ 60mm
- **Length:** ≤13,000mm

Operating Condition

- **Pressure:** ≤50MPa
- **Temperature:** -46°C ~ 400°C
- **Medium:** Cl-, CO₂, H₂S







Level 10, 5 Mill Street, Perth
Western Australia 6000, Australia

sales@steeltrading.solutions

www.steeltrading.solutions