Energy Projects

Smarter global steel solutions

ArcelorMittal

General Brochure

Energy Projects: Complete and smart steel solutions for the energy industry

ArcelorMittal Energy Projects is a global organisation specialised in providing complete, customised, and sustainable steel solutions for a wide range of energy market segments, including:

- Offshore wind
- Offshore and onshore oil and gas
- Renewables (geothermal, hydrogen, & carbon capture)
- OCTG & line pipe
- Onshore construction for LNG, processing, & storage

We deliver **complete and tailor-made steel packages and services** designed to meet our customers' unique project needs, ensuring efficiency, quality, and seamless management of complex projects.

Our leadership stems from an **extensive product portfolio, a global team of specialists, and long-lasting partnerships** with our clients. With a commitment to quality, innovation, and sustainability, we are the trusted partner for energy companies worldwide.

Our values

Proximity
With our global organisation and reach of supply, we understand and are close to our clients and suppliers.

Solution-driven
We provide comprehensive solutions and expert guidance to tackle any challenge.

Partnership
We build long-term, trustworthy relationships with all our stakeholders, focusing on collaboration, reliability, and quality.

Wide range of products

Our extensive portfolio of steel products includes high-grade and speciality steels for upstream, midstream, and downstream energy applications.

Steels are supplied from our own ArcelorMittal mills and stockyards, as well as selected third-party sources. This provides a complete offer and cost-efficient supply chain for the global energy sector.

Value-added services

We offer value-added services which help our customers turn critical projects into success stories.

- Technical support
- Quality control & survey inspection
- Pre-fabrication
- Anti-corrosion coating
- Storage & warehousing
- Project management
- Document control management
- Logistics (ocean-inland transportation, port services, etc.)

Experience

Maintaining safety and sustainability standards requires steel producers with proven quality and expertise. With over 20 years of experience, hundreds of projects, and millions of tonnes of deliveries, ArcelorMittal Energy Projects is one of the world's leading suppliers to the energy sector.

Global presence

With a global sales and production network spanning Africa, Asia, Europe, the Middle East, and the Americas, we are positioned to support energy projects worldwide. Our local presence ensures our understanding of regional cultures, expectations, and industry demands, allowing us to provide tailor-made solutions and dedicated support.

Our people

Energy Projects' highly skilled international teams are ready to support you, whatever the question and challenge.

Our people...

- Are specialised in our key energy segments and products
- Are dedicated and technically skilled
- Are entrepreneurial and flexible
- Have extensive knowledge of local markets
- Thrive on complexity
- Offer solutions driven by the needs of our customers

Sustainability

As one of the few fully reusable and recyclable materials, steel plays a vital role in building a circular and decarbonised economy. ArcelorMittal is committed to driving the decarbonisation of steelmaking, with a goal of achieving net zero emissions by 2050.

ArcelorMittal's XCarb® initiative brings together our efforts in low-carbon steel production, including recycled and renewably produced steel, low-carbon steel certificates, and an innovation fund driving the transition to net zero steel.

Our global network allows us to support you in all major energy hubs

Segments & applications

Offshore wind

Energy Projects has a strong track record in delivering complete structural steel solutions to key players in the renewable energy industry. We supply high-quality steel for various offshore applications, such as:

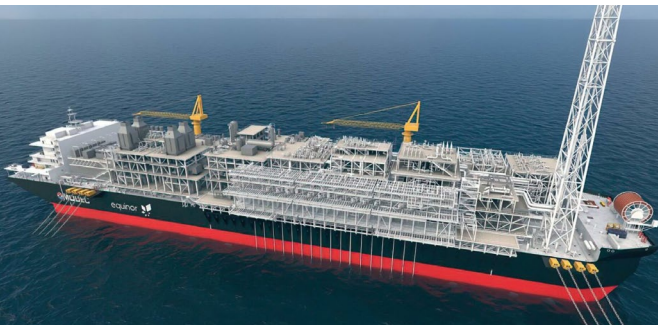
- Fixed-bottom jacket foundations
- Floating foundations
- Substation jackets, piles, and topsides

Offshore oil & gas

Offshore platforms

We offer comprehensive steel solutions for various offshore structures, including:

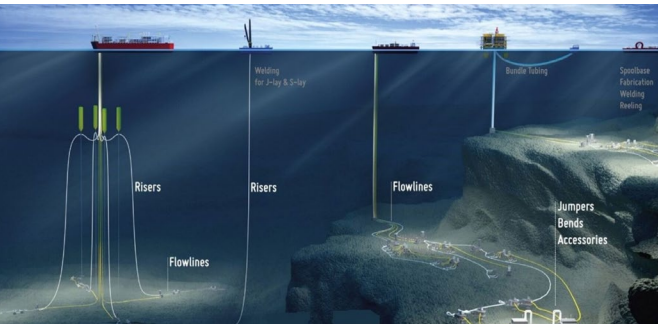
- (Semi-) submersible platforms
- Fixed offshore platforms
- Jack-up rigs
- Piles
- Jackets
- Topsides



FPSO & FLNG

Our comprehensive range of shipbuilding/offshore-grade products and services are suitable for:

- Floating Production Storage and Offloading vessels (FPSO)
- Floating Liquefied Natural Gas vessels (FLNG)
- Pressure vessels
- Drilling ships
- Hull & topside fabrications
- Turret fabrication
- Flowlines



Subsea structures

As offshore platforms are installed in increasingly deeper waters worldwide, safe and efficient connections between topside platforms, vessels, and seafloor infrastructure are essential for reliable oil extraction. We supply resilient steel solutions for key subsea structures, including:

- Pipeline End Manifolds (PLEM)
- Pipeline End Termination Systems (PLET)
- Subsea templates, manifolds, & mudmats
- Pipe support structures

Renewables

Investments in renewable energy and sustainable infrastructure have become key drivers in the business strategies of our customers and their stakeholders. Energy Projects provide innovative steel solutions and services for renewable energy technologies including:

- Hydrogen
- Carbon capture and storage
- Geothermal energy
- Solar energy

Mooring wires and steel wire ropes

High-strength steel wire ropes in a wide range of diameters for various applications. Our mooring wire solutions include:

- Mooring wire
- Cold rolled wire
- Hoisting ropes
- Mining ropes

Our sheathed spiral strand mooring wires are meticulously engineered to meet the specific needs of engineering and energy companies. They are ideal for long-term use in floating production systems and floating wind turbines, accommodating various water depths.

OCTG (Oil Country Tubular Goods)

Energy Projects offers OCTG casing, tubing, and accessories meeting international standards, including seamless and welded casing and tubing with various connections:

- API: BTC, LTC, STC, 8 Round
- Semi-Premium:
  - *RAZR*: Buttress-compatible, high torque for shale drilling
  - *SHARP SFD*: Semi-flush, extreme torque for long laterals
  - *PIERC*: Flush, max clearance for refracs and liners
- Premium:
  - *BLADE*: Metal-to-metal seal for gas-tight applications

Line pipes

We manufacture and supply high-quality line pipes for the transportation of fluids and gases under pressure, as well as for plant infrastructure, serving various applications including:

- Oil, gas, and refined products transportation
- Slurry pipelines for mining
- Water pipelines

Our offering includes a range of coating systems to ensure durability and performance.

Onshore construction

Liquified natural gas (LNG) plants and storage tank terminals

Our state-of-the-art LNG solutions are designed to help safely and efficiently store LNG. Clients increasingly decide to fabricate modularised processing modules for onshore LNG plants. For these projects, the following products are supplied:

- Structural tubulars (seamless and welded)
- Plates, beams and sections
- Alupur® for jacketing insulation
- Krybar® - cryogenic rebar

Refineries & processing

We supply high-quality seamless steel products for:

- Refineries
- Petrochemical complexes
- Gas processing units

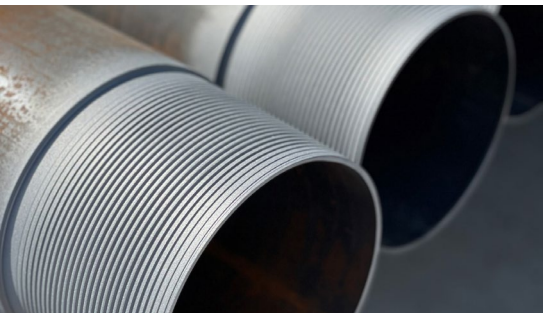
Available in carbon and alloy steels, our products cover a wide dimensional range, designed for the toughest environments. Our pipes for sour service offer exceptional corrosion resistance, suitable for both low and high-temperature services, as well as high-pressure applications.

Products

Energy Projects offers a wide and comprehensive range of steel products for the energy sector. Our high-quality products meet the most stringent international specifications for various applications and can be used in the industry's toughest environments.

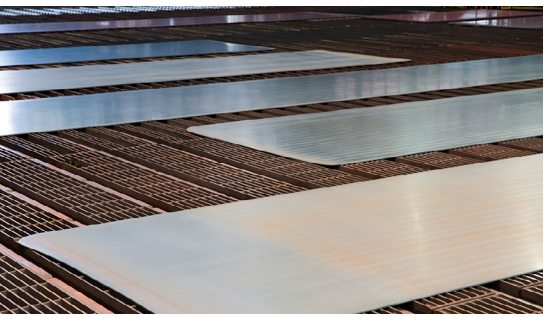
Steel pipes & tubes

- Seamless riser and flowlines
- Offshore structural pipes (seamless/LSAW)
- Seamless line pipes
- Large diameter spiral and longitudinally welded line pipes
- Process pipes (carbon and alloy)



OCTG & premium connections

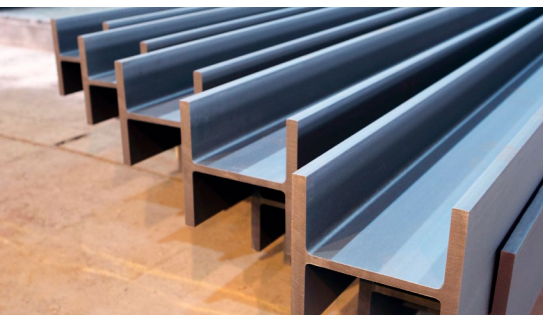
- API: BTC, LTC, STC, 8 Round
- Semi-Premium:
  - *RAZR*: Buttress-compatible, high torque, anti-galling, 100% tension/compression rating
  - *SHARP SFD*: Semi-flush, dovetail threads, high clearance, 90% tension/compression rating
  - *PIERC*: Flush OD/ID, dual shoulders, max clearance, 60% tension/compression rating
- Premium:
  - *BLADE*: Patented, gas-tight T&C (API 5C5 Cal IV), 100% tension/compression rating



Steel plates

Our high-strength steel plates conform to all widely applied standards, including EN 10225-1, NORSOK, API, ASTM, and ASME.

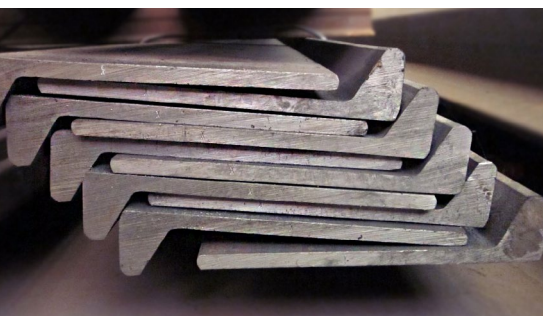
Sizes can be mill-standard or tailor-made to project requirements, including a range of prefabrication services.



Steel beams & sections

ArcelorMittal's structural beams and sections are produced to the highest level of quality in S355, S460, HISTAR®, and FRITENAR® grades. Our beams & sections range include the following dimensions:

- American (W)
- British (UB/UC)
- European (IPE/HE/UPN/UPE)



Bulb flats

Bulb flats are used as plate stiffeners, primarily in the shipbuilding industry. Our supply width ranges from 60 mm to 430 mm. The product can be supplied according to main shipbuilding rules up to EH 36 as well as Offshore Norm EN10225-2 (2019)/S355NLO.

Stock programme: Our stockyards in Singapore, the Netherlands, Nigeria, Dubai, Qatar, and the United States hold a ready supply of high-strength steel plates, beams, hollow sections, and tubular products for energy projects. As one of the largest offshore and onshore structural steel stockists, we offer complete packages with minimal lead times, ensuring fast delivery for project start-ups and unexpected demands.

XCarb® recycled and renewably produced steel

ArcelorMittal's XCarb® recycled and renewably produced steel is made via the Electric Arc Furnace (EAF) route, utilises renewable electricity—either directly or through verified certificates. With 100% scrap-based metallics, its carbon footprint can be as low as 300 kg of CO_2 per tonne of finished steel.

Krybar® reinforced steel

Krybar® is a specially designed reinforced steel bar for the construction of cryogenic LPG and LNG tanks to provide safety for cryogenic applications.

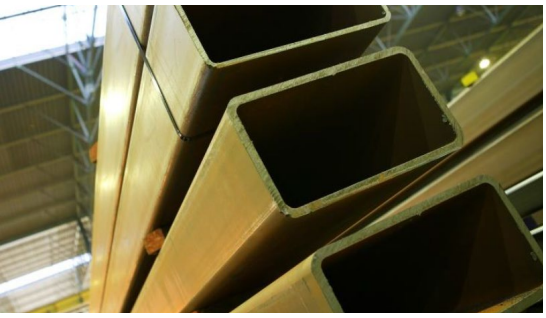
Due to its special composition and rolling process, Krybar® has a high ductility even at very low temperatures, down to -170°C (-274°F). ArcelorMittal has been producing Krybar® since 1980. Since then, the product has been used in more than 300 tanks worldwide.

Alupur® jacketing insulation

Alupur® combines the strength and fire resistance of steel with the corrosion resistance of pure aluminium, providing exceptional protection for workers and installations in urban, industrial, and marine environments. It is a Type 2 aluminised steel which exceeds the ASTM A463/A463M standard.

Alupur® can be used as jacketing or cladding materials in:

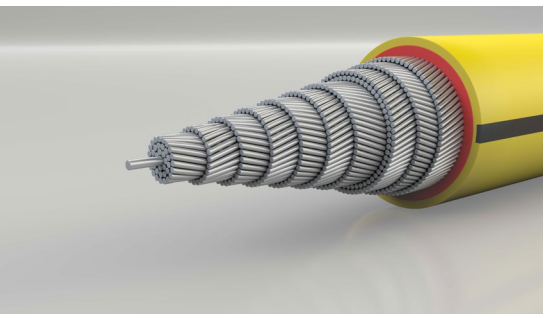
- Refineries
- Petrochemical facilities
- Gas power plants
- Oil storage facilities
- LNG terminals
- Pipe cladding



Steel hollow sections

Energy Projects supplies hollow sections according to EN 10210, EN 10219, EN 10225-3/4 (2019), and ASTM standards. They are suitable for all mechanical and construction applications within the energy industry.

Our product range includes cold- and hot-formed round, square, and rectangular hollow sections in high strength steels. Hot-formed hollow sections can be delivered without seams.



Steel wire ropes

Energy Projects supplies high-strength ropes in a wide range of diameters, tailored for diverse industries and applications, even under the most demanding conditions. Our product range incudes:

- Mooring wire
- Cold rolled wire
- Hoisting ropes
- Mining ropes

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Visit our website

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07/2025