a Legacy of Trust since 1974

MINING TO METALS - STEEL



LLOYDS® ENGINEERING WORKS

www.lloydsengg.in

Lloyds Engineering Works Limited delivers integrated engineering and project execution solutions across the complete Mining to Metals value chain. From bulk material handling and mineral processing to beneficiation, pelletization, sintering and steelmaking, we combine process understanding, engineering expertise, manufacturing capabilities, equipment supply and project execution to develop efficient, reliable and future-ready industrial facilities. Our integrated approach enables us to address complex project requirements while supporting improved productivity, operational efficiency and long-term plant performance.

Industries We Serve

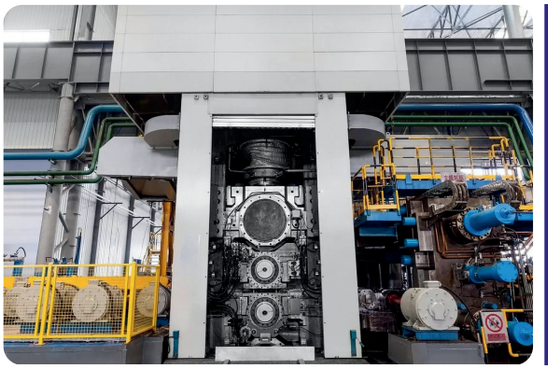
- BENEFICIATION
- MINERAL PROCESSING
- IRON MAKING
- STEEL MAKING
- STEEL PROCESSING
- ECO PICKLED SURFACE TECHNOLOGY GEN. 5



Pellet Plant



Galvanizing line

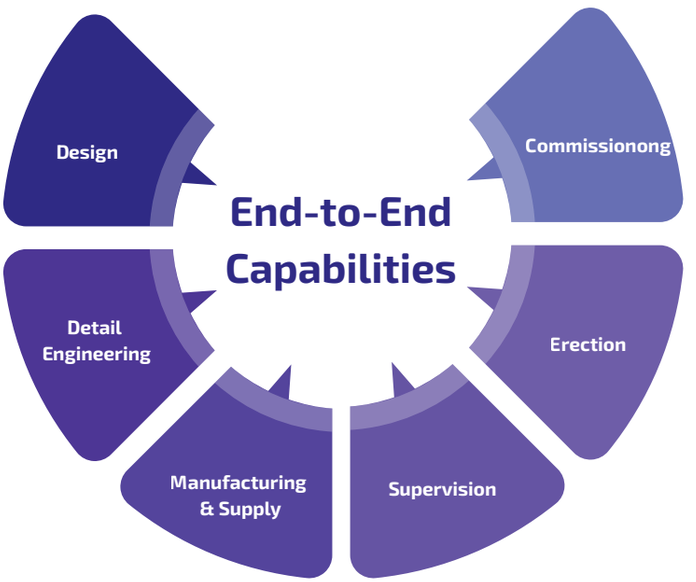


Cold Rolling Mill

Project Modules

- TAAS
- BOO
- EPS
- EPSS
- BOOT
- EPCM
- EPC

End-to-End Capabilities



Eco Pickled Surface Generation 5

Lloyds Engineering Works brings the patented EPS Generation 5 technology to India delivering cleaner, safer, and more economical flat steel surface preparation than traditional method.

- Made in India
- Zero discharge process
- Compact

How EPS works?

A proprietary steel descaling technology using a water-based slurry with steel grit to remove mill scales without acids or hazardous chemicals from flat steel surface.





Environmental Advantages

- 100% acid-free
- Minimal solid waste which is reusable
- Zero hazardous emission
- More economical flat steel processing

Superior Surface Finish

- Better Paint Addition
- 100% scale free uniform clean surface
- Ideal for welding, laser cutting, coating
- Improved corrosion resistance
- Removes silicon streaks

Advanced Automation Features

- Closed-loop grit control
- Fully automatic EPS and terminal equipment control
- Faster uncoiling and recoiling
- Single HMI control

Why EPS?

- Acid-free process
- No liquid hazardous waste
- Lower operating cost
- Safer working environment
- Suitable for:

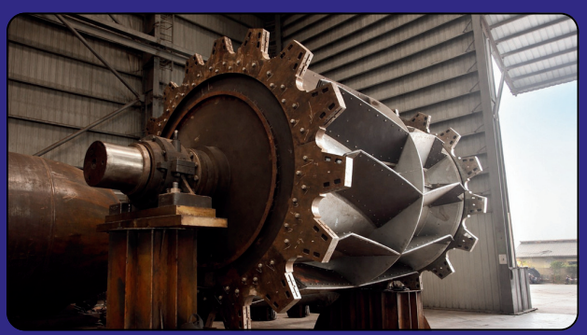
All Carbon Steel, Alloy Steel, AHSS, UHSS, Stainless Steel etc.



Eco Pickled Surface Plant



Floatation Cell



Drive Station



Balling Disc



Color Coating Line

Projects in Pipeline

BENEFICIATION & IRON ORE PROCESSING

Major Equipment Engineering & Manufacturing

- Jameson Cell
- Flotation Columns & Tanks
- Vertical Tower Mill

PELLET PLANT

Equipment Engineering & Manufacturing

- Drive Station
- Tipping Station
- Discharge Station
- Slide Track
- Curved Rails
- Pallet Cars
- Balling Discs

HEAT RECOVERY & POWER GENERATION

Concept-to-Commissioning Solutions

- Waste Heat Recovery Boilers
- AFBC & CFBC Boilers
- Power Plants
- Electrical & Automation Systems

IRON & STEEL MAKING

Major Equipment Engineering & Manufacturing

- DRI Plant
- Blast Furnace
- Coke Oven
- Electric Arc Furnace
- Energy Optimising Furnace
- Basic Oxygen Furnace
- Ladle Heating Furnace
- Vacuum Degasser
- Caster
- Rolling Mill

CIVIL & CONSTRUCTION

Concept-to-Realization Solutions

- Residential Buildings
- Commercial Buildings
- Industrial Buildings
- Hospitality Infrastructure
- Sports Infrastructure

COLD ROLLING COMPLEX

Concept-to-Commissioning Solutions

- Eco Pickling Lines – Acid-Free Technology
- Cold Rolling Mills
- Continuous Galvalume Lines
- Continuous Color Coating Lines
- Profiling Lines
- Integrated Cold Rolling Solutions

NAVAL & MARINE

Concept-to-Commissioning Solutions

- Marine Loading Arms
- Steering gears for ships

REFINERY

Major Equipment Engineering & Manufacturing

- Process Columns
- Pressure Vessels
- Towers
- Heat Exchangers

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