Group - IPS
Industrial Projects Services

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H2First

DRI production facility

DEFINE | MANAGE | PRIMARY | GERMANY

ArcelorMittal

Principal project data

Design of an H2-DRI production facility

Scope IPS

Basic Engineering

- Layout
- Civil & Structures
- Utilities & piping
- HVAC
- E&I

Project Management

- Project Definition
- Time Schedule
- Budget, including sensitivity analysis
- Procurement

ArcelorMittal is the world's leading steel and mining company. Guided by a philosophy to produce safe, sustainable steel, it is the leading supplier of quality steel products in all major markets including automotive, construction, household appliances and packaging.

On their site of Hamburg, ArcelorMittal wants to use hydrogen on a large scale for the first time in order to produce so-called sponge iron (direct reduced iron ore, Direct Reduced Iron=DRI) for the steel production process. For this purpose, ArcelorMittal will build another direct reduction plant at the Hamburg plant.

IPS is responsible as General Designer on this project for the Basic Design of the complete new plant, including:

- 3D model, including the process equipment
- Civil & structure engineering, including foundations
- Utilities & piping
- Electricity
- Investment proposal, including budget and time schedule

