

MME FIELDS OF ACTIVITIES

IRON MINE INDUSTRIES

IRON MAKING INDUSTRIES
DRI PLANT

STEEL MAKING INDUSTRIES

ROLLING MILLS

TURN KEY IRON
& STEEL MAKING PLANT



"The combination of long experienced and highly motivated team of engineers is our foundation for customer satisfaction".

MME is always at your service.



Your Partner
for Iron & Steel Making

www.mme-co.de



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MME
MINES & METALS ENGINEERING GmbH



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MME GmbH an officially established and registered, in Düsseldorf Germany since 1996 to provide engineering services for mining and metal industries worldwide.

MME GmbH staff are well known experts of steel industries with long experience in their fields. The well established exposure in the field of engineering, construction and commissioning in steel plants world wide gives guarantee of the final product quality.

MME GmbH is specialized in the design, engineering and supply of Iron & Steel Making Plants

MME GmbH can offer our consultancy and support, development in all the phases of projects from feasibility study, design and engineering by means of project management, consulting services supervision of erection and commissioning.

MME GmbH can support you additionally maintenance & spare part management, training, technical assistance and project financing.





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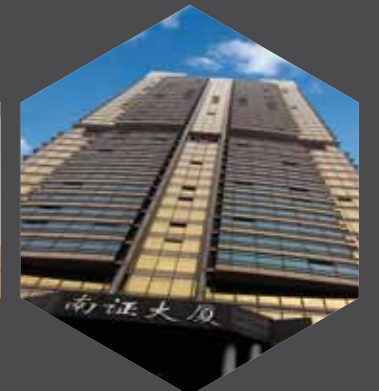
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THE PRODUCTS IRONMAKING / STEEL MAKING / SECONDARY METALLURGY / CONTINUOUS CASTING / AUXILIARY EQUIPMENT / ROLLING MILLS

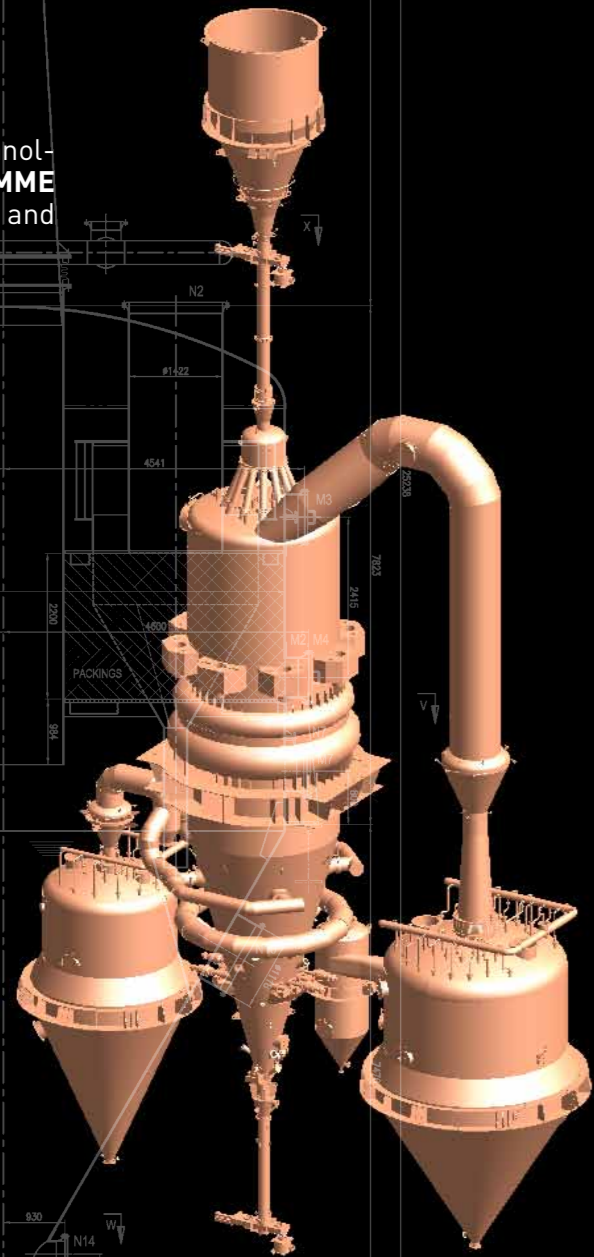
The continuously rising challenges on the iron & steel market accelerated our incentive to develop products for our clients.

IRONMAKING PERED® TECHNOLOGY OF TOMORROW

The Direct Reduced Iron Technology PERED®, is a development of MME GmbH, which is patented in Europe and other countries.

THE PERED® ADVANTAGES

- Low Capital Costs
- Low pollution
- Higher Reliability
- Low water consumption
- Lower maintenance costs
- Lower energy consumption
- Higher yield
- Usage of local raw material
- Flexibility to use lamp ore



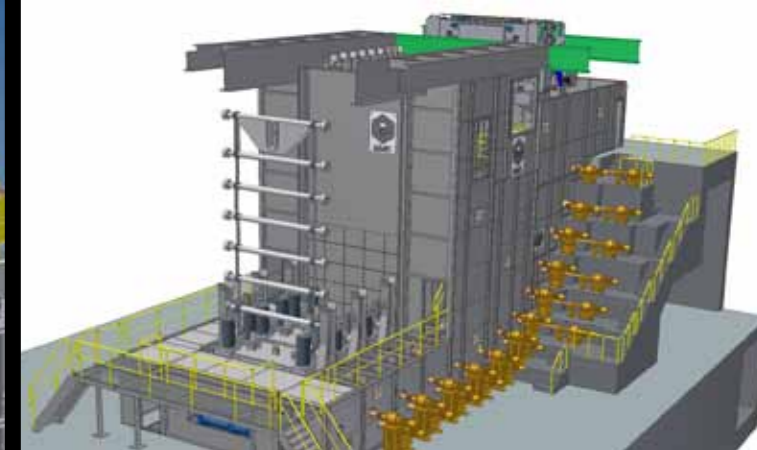
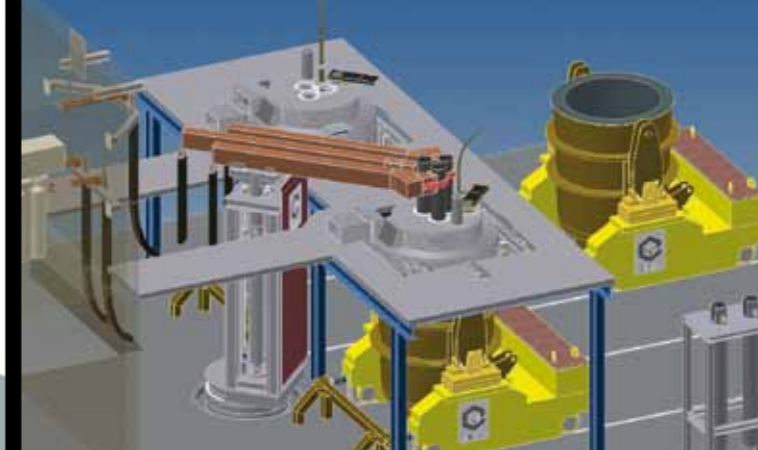
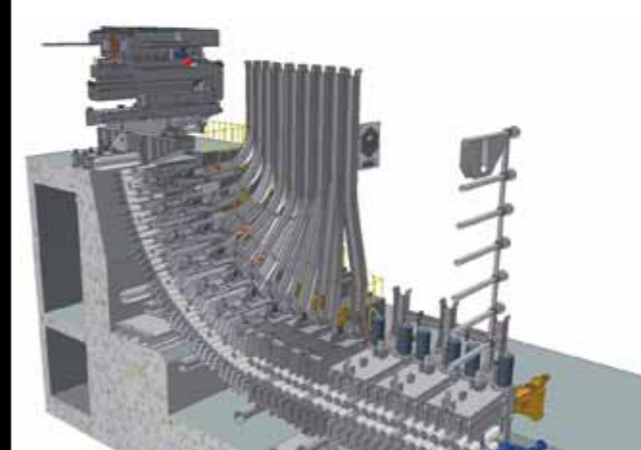
STEEL MAKING

In order to vary the steel production according to the demands of the market the installation of an Electric Arc Furnace (EAF) for DRI and scrap charging is typical in state-of-art mini mills

MME GmbH offers EAF with following main features:

- Eccentric bottom tap-hole
- Current conducting electrode arms
- Electronic electrode regulation system
- Furnace gantry
- Roof lifting system

"We are innovating with new desing looking always for the customer benefits"



SECONDARY METALLURGY

MME GmbH design the Secondary Metallurgy to improve the quality as well as productivity of our Steel Making Facilities, the installation of a Ladle Furnace (LF) between the Melting and the Casting Area for refining scope is essential asset for every steel producer.

MME GmbH offer its own design with the following main features

- Fixed or swivelly gantry
- Water cooled roof
- Wire feeding for de-oxydation and micro-alloying
- Stirring with inert gas system via porus plug
- Automatic lance for temperature measuring and sampling

CONTINUOUS CASTING

The productivity of a steel making plant is in large measure defined by the throughput and speed of the continuous casting machine (CCM).

MME GmbH offers plants with own design for continuous billet and slab casting machines based on up-to-date metallurgical technology in the field of steel plant machinery, equipment and automation.

ROLLING MILLS

MME GmbH thanks of the experience in the Iron and Steel Making is able to serve up to the complete final product through the Rolling Mills

MME GmbH offer the best Technical support of certain leading companies and specialists in the respective fields to our Customers.

AUXILIARY EQUIPMENT

The MME GmbH scope of work cover also the handling of the auxiliary

- Material and scrap handling
- Water treatment
- Dedusting Systems
- Slag recovering plant
- Preheating and Drying Systems
- Mobile equipment definition and co-ordination
- Refractory equipment definition

Future Design Available

- JUMBO MODULE DRI FOR 1,5 - 1,7 MTPY CAPACITY
- HOT CHARGING OF DRI TO STEEL MAKING
- HOT DRI TRANSPORT
- BRIQUETTING OF DRI

