Coke Production from Experienced Coke Oven Designers

Technologies for Modern Coke Oven Plants Proven by Numerous References
Three Experienced Partners Combine their Know-How into Modern Coke Oven Solutions

Coke Battery Construction

Battery optimisation & regulation

Modern & Reliable Coke Battery

Coke Battery Cars & Machines

Chemical By Products Plant

Electrics & Automation Systems

Over 60 Years in Designing & Building Coke Oven Plants
**Coke Oven Batteries as a Modular Kit for Green Field Projects or Modernizations**

**COKE OVEN BATTERIES**

- Complex designing of Coke oven batteries including refractory
  - Top charged
  - Stamp charged
  - Heat recovery
- Engineering, supply, commissioning of batteries, EPC contracts
- Modernizing of existing batteries & battery accessories
- Cold and hot repairs, general battery revamping
- Batteries commissioning & heating-up
- Battery anchoring regulation and adjustment
- Technology and thermal audits, technical expertise
- Optimisation and regulation of battery operation
- Solution for environmental improvement of batteries, dedusting, NO\textsubscript{x} reduction

**BY PRODUCT PLANTS**

- Complex solution for coke oven gas treatment & flushing liquor treatment
  - flushing liquor detarring and quality tar production
  - coke oven gas cooling and transport
  - ammonia removal
  - sulphur removal from gas, production of pure sulphur or ammonia sulphate
  - benzol and naphthalene removal and recovery
- Engineering, supply, commissioning, EPC contracts
- Biological waste water treatment plants
- Solution for by-product plant improvements and optimisation
- Gas sealing system proposal and implementation
- By-product plant audits
- Techno-economical studies

**COKE OVEN PLANT AUXILIARY UNITS**

- Coal charge preparation
- Quenching tower improvements and modernisation, quenching dust reduction

*Over 60 Years in Designing & Building Coke Oven Plants*
COKE OVEN BATTERY CARS AND MACHINES
- Machines and equipment for top charging and stamped charging operation
  - Stamping, charging and pushing cars
  - Coke guiding cars
  - Transfer cars
  - Charging cars
- Coal storage equipments incl. transport, grinding, sorting, mixing
- Machines for bulk handling operations
  - Scrapers
  - Gantry belt stackers & gantry bucket-chain reclaimers
  - Bucket wheel stackers and reclaimers
  - Grab cranes

ELETRICAL & AUTOMATION EQUIPMENTS
- Motor and drive systems
- Automation systems and control pulpits
- Measuring and regulation equipments
- Manufacturing execution systems
- Cabling and erection

WE OFFER COMPLETE SOLUTIONS INCLUDING:
  - Basic and detail design
  - Manufacturing drawings
  - Project management
  - Delivery and site erection
  - Supervision and commissioning
  - After sale services
  - Inspections

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