



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



Coke Battery Cars & Machines

Modern & Reliable
Coke Battery



Chemical By Products Plant



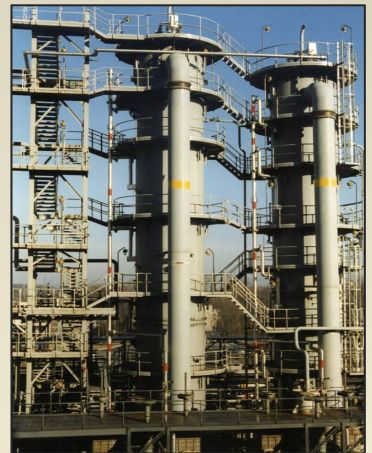
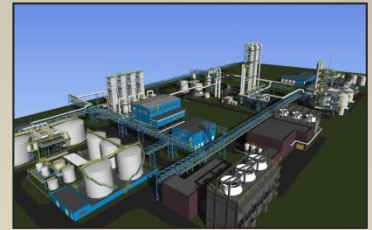
Electrics & Automation Systems

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_x reduction



BY PRODUCT PLANTS

- Complex solution for coke oven gas treatment & flushing liquor treatment
 - flushing liquor dettaring 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

Coke Oven Batteries as a Modular Kit for Green Field Projects or Modernizations

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

HUTNÍ PROJEKT Frýdek-Místek a.s.
Czech Republic s.r.o.

28. Října 1495
738 01 Frýdek-Místek
Czech Republic
Phone: +420 558 877 210
Email: hpfm@hpfm.cz

www.hpfm.cz

DALSELV DESIGN a.s.

Slévárenská 403/11
709 00 Ostrava
Czech Republic
Phone: +420 596 633 121
Email: info@d-design.cz

www.d-design.cz

Primetals Technologies

28. Října 2663/150
702 00 Ostrava
Czech Republic
Phone: +420 597 400 660
Email: info.cz@primetals.com

www.primetals.com

Over 60 Years in Designing & Building Coke Oven Plants