

Field of activity Machinery for coke oven batteries

Project Push emission control system on coke side in coke oven batteries, Avilés (SPAIN)

Year 2010

Location Avilés (SPAIN)

Client ARCELORMITTAL

Facility features

Coke oven batteries 1 to 4 main figures:

- Number of batteries: 4
- Number of ovens per battery: 30
- Oven height: 4.500 mm
- Oven length: 13.462 mm
- Average oven width: 400 mm
- Distance between ovens: 1.150 mm
- Number of charging holes: 5
- Oven volume: 21,07 m³

Coke oven batteries 5 to 8 main figures:

- Number of batteries: 4
- Number of ovens per battery: 30
- Oven height: 4.500 mm
- Oven length: 13.520 mm
- Average oven width: 350 mm
- Distance between ovens: 1.150 mm
- Number of charging holes: 5
- Oven volume: 18,40 m³

Scope/description:

Project for engineering, manufacturing, supply, assembly, supervision, automation and commissioning of hood cars, ducts and installation of filtering for the new push emission control system facility.

- The four hood cars which form part of the facility (one for each 2 coke batteries group) are made up of driving mechanisms, belt elevation systems, main & secondary hoods, telescope for coupling to the guide car, electrical and hydraulic cabins, hydraulic system, air conditioning, electrical and distribution cabinets, driving MCC, hydraulic and auxiliary MCC, control and command cabinets, auxiliary services cabinets, communications, etc.
- The filtering facility comprises of two bag filters (with mass cooler and spark separator), two fans, ducts system for the admission and discharge of filtered air, chimney, dust transport (including storage silo of 100 m³ of capacity), fans MCC, auxiliary MCC, control and command cabinets, auxiliary services cabinets, control, etc.

