

Project **Hot spots and level detection system for coke wahrf, Avilés (Spain)**

Year 2011

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: 39,1 m³

Scope/description:

Supply and installation of a hot spots and level detection system for coke wahrf, communicated with the central control system.

The thermographic system has two main functions:

- Detect if the different discharge areas on the coke wahrf are full or empty, ordering to the quenching cars to download on empty areas.
- Hot Spot Detection to activate the automatic quenching system acting on the high temperature zone.



Field of activity Construction and revamping of coke oven batteries

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