OSL Project Information Sheet

Siderar

Gas Processing Plant

Type of project: Extended Basic Design Study.

Sector: Coke oven gas treatment.

Client: Uhde GmbH

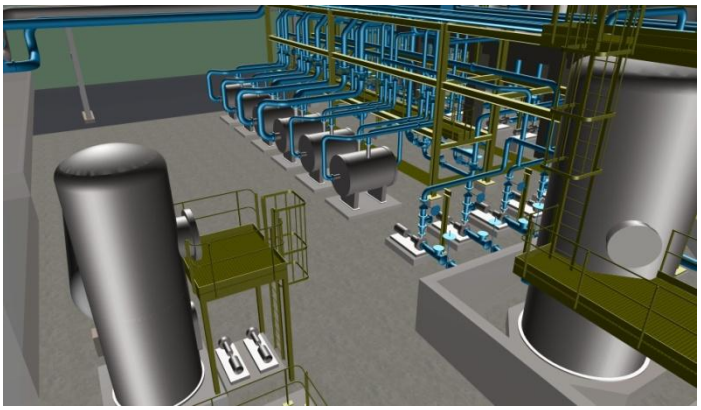
Location: Argentina

Technology: Ammonia and BTX removal.

Capacity: 80,000 Nm3/h crude coke oven gas.

Date: 2011

Overview: OSL provided engineering services to UHDE GmbH for a basic design study on an extension to Siderar's existing gas treatment plant at its coke works in Argentina. The gas treatment plant consists of final gas cooling, hydrogen sulphide and ammonia removal followed by BTX removal. The scrubbed hydrogen sulphide and ammonia is recovered in a desorption unit before the ammonia is destroyed in a thermal oxidiser, and the sulphur recovered in a Claus unit.



Deliverables: Documents consistent with a basic design study including PFD, mass and energy balance, equipment list, P&IDs, equipment specifications, equipment datasheets, vessel drawings, motor list, instrument data sheets, cause and effect diagrams, utility requirements.
3D model with main pipe routing, demonstrating integration with the existing plant and future extensions.

Status: Completed to programme

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