# Wet Electrostatic Precipitator

**Project**  |  Veriña Coke Oven Plant / Electrostatic Tar Precipitator (ETP)
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**Client**  |  ArcelorMittal Asturias
**Location**  |  Gijón, Spain
**Completion**  |  June 2018
**Type of Contract**  |  Turnkey, Fixed Price
**Type of Filter**  |  2 x Tar ESP type 241 / 5500 / SW250

**Special features**
ArcelorMittal Asturias owns a Coke Plant in Asturias which was cold idled and was revamped and put back in operation. The existing facility used to work with 3 ETP’s which were not possible to reuse due to their bad condition. The Envirotherm Electrostatic Tar Precipitator (ETP) was chosen as the best available technology to remove the tar content from coke oven gas with 99.95% efficiency.

**Scope of supply**
Design, fabrication and supply of the filter and high-voltage control system as well as erection and commissioning supervision.

**Process conditions**
- **Gas Flow (actual)**: 60,000 m³/h
- **Temperature**: 22 °C
- **Inlet Dust Burden**: 20 g/m³ (STP, dry)
- **Dust to be collected**: Tar
- **Guaranteed Emissions**: ≤ 10 mg/m³ (STP, dry)
- **Length of honeycomb bundle**: 5500 mm
- **Number of honeycombs**: 2 x 241