

London, July 17, 2024

## ArcelorMittal Poland Signs Acceptance Certificate for Energy-Efficient Gas Cleaning Plant

- **Primetals Technologies has implemented gas cleaning plant to increase dry dust recycling while reducing energy consumption and improving green credentials**
- **Lowers ongoing maintenance requirements**

As part of ArcelorMittal's initiative "Smarter Steels for People and Planet", ArcelorMittal is focused on minimizing the environmental impact of their operations. This means investing in innovative iron and steelmaking processes that are more efficient, use less energy, and emit significantly less CO<sub>2</sub>. To support this purpose, ArcelorMittal Poland placed an order in 2021 with Primetals Technologies to supply a gas cleaning plant for its blast furnace No. 2 in Dąbrowa Górnicza, Silesia Voivodeship, Poland. Recently, ArcelorMittal granted the final acceptance certificate (FAC) to Primetals Technologies.

The gas cleaning plant is an essential component in any blast furnace complex and is responsible for ensuring emissions from the blast furnace are in line with environmental norms.

### Advanced Technology

The new gas cleaning plant includes the complete system from the furnace offtakes through to the existing gas network. Primetals Technologies supplied the key components, including the cyclone, wet scrubber and demisting vessel. This has allowed ArcelorMittal Dąbrowa Górnicza (AM DG) to increase the amount of dry dust recovered for recycling and reduced the requirement for waste-water processing. Additional benefits from the new equipment are an improvement in energy efficiency of the plant and downstream units and a reduced need for maintenance-related labour. This has made the whole plant more cost-effective to run and improved the green credentials of the operations.

### Project Excellence

Construction of the new gas cleaning plant was undertaken by consortium partner Mostostal Zabrze Realizacje Przemyslowe (MZRP). With a 90-day shutdown window for demolition and construction, the major units were built in parallel to blast furnace operation, thereby minimizing the work required during the shutdown period. These modular units were then lifted into place utilizing a 1000-ton crane.

## A World Leader

ArcelorMittal is the world's leading steel and mining company, and the dominant steel producer in Poland, operating six production plants in the south of the country. Its range of products includes profiles, rails, fittings for the construction, transport, and mining industries, as well as flat products for the automotive industry and the manufacture of domestic appliances. The Dąbrowa Górnicza plant specializes in producing heavy profiles. It is also one of a few plants worldwide able to produce 120-meter-long rails.



Construction of the gas cleaning plant from Primetals Technologies – a 1000-ton crane lifting the final piece of the downcomer into position.



ArcelorMittal Dąbrowa Górnicza blast furnace No. 2 with new gas cleaning plant from Primetals Technologies.

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