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news release

The Ostrava steelworks modernizes electrostatic precipitators worth CZK 296 million for its sinter plant. One of the largest mobile cranes in the Czech Republic assists with the installation

Ostrava April 25, 2019 – Investing CZK 296 million, ArcelorMittal Ostrava revamps three electrostatic precipitators, the first stage of flue gas dedusting in the sinter plant. Through the revamp, the steelworks will halve the power consumption of the filters in the northern part of the sinter plant, thus saving non-renewable resources. The dismantling and subsequent installation of the new precipitators are performed by a crane of 135 meters with a reach of 192 meters. Companies involved in the modernization are ZVVZ - Enven Engineering and ZK Termochem. For the reduction of final energy consumption, the steelworks will receive a subsidy of CZK 23 million for the project from the Ministry of Trade and Commerce from the OPPIK programme.

„In comparison to the existing ones, the new electrostatic precipitators will consume half the energy and ensure optimum operation of the bag filters, which are attached to them as the second stage of the flue gas dust control and which it will protect, among other things, against hot dust particles. They will also prevent excessive abrasion and thus wear and tear of the exhaust ventilator situated in the flue gas flow between the precipitators and the bag filters,” explained Ivo Psota, manager of the investment project in the Ostrava steelworks.

By the end of the year, the steelworks will have replaced all the three precipitators in the northern part of the sinter plant. The replacement of the existing precipitators that are as high as a building of 20 floors, is facilitated by 135 meters' tall crane that can reach to 192 meters and carry a six-tonne cargo.

“The crane alone was transported to the site by 25 trucks and its installation took 4 days. It can reach all the three filters from one place and will be able to put up with the task of pulling out 16 meters' long electrodes from 50 meters' high precipitators across a distance of 90 meters,” added Psota.

ArcelorMittal Ostrava a.s. is part of the world's largest steel and mining group ArcelorMittal. Annually it produces over 2 million tonnes of steel, which is mainly used in construction and machinery. It is the biggest manufacturer of road safety barriers and pipes in the Czech Republic. Besides the domestic market the company delivers its products to more than 40 countries around the world. In the Moravian-Silesian region, ArcelorMittal employs 6500 workers. The 2018 average monthly income was CZK 39,180. As a result of the completion of a range of above-standard emission control technologies, the company produces its products with the minimum possible environmental footprint. The sole shareholder is ArcelorMittal S.A.