



ArcelorMittal

news release

Krakow, May 9, 2018

Reducing unpleasant odours in the Krakow's coke plant

The coke plant of ArcelorMittal Poland is being modernized and now will also eliminate unpleasant odours. It will be possible thanks to air-tight sealing of industrial installations, which emit undesirable smells. The investment is expected to be completed in 2019 and the cost of the project amounts to PLN 2 m.

The Polish legal system does not establish any legal regulations regarding industrial odours and no relevant monitoring and measurements take place. Nevertheless, ArcelorMittal Poland in order to meet expectations of citizens, invests in installations to significantly eliminate troublesome odours, which are generated in the coke making processes and are spreading beyond the plant's perimeter. The first phase of the project started in July 2017 and includes air-tight sealing of electrostatic precipitator water pump seals and gas pre-coolers. Vapours of unpleasant odours now get to the air through pipe outlets (so-called "venting holes") going from storage tanks and gas dehydrators. Nineteen of these "venting holes" have been tightly isolated.

- We have replaced the outlets with dedicated steel pipeline network, through which vapours of unpleasant smelling substances are transported to the coke oven gas cleaning installation. This system prevents odours from escaping to the atmosphere – says Ryszard Opyrchał, coke plant director in ArcelorMittal Poland Unit in Krakow. Currently, the operational tests of the new installation are underway. The cost of the first phase of the project is PLN 500,000.

- Together with inspectors from the Regional Environmental Protection Inspectorate, during the comprehensive inspection, which took place in August and September, we discussed our initiatives, including the air-tight sealing one aimed at optimizing the industrial processes in the coke plant. The inspection took place last summer, as a result of complaints from residents from neighbouring housing estates in Nowa Huta, regarding industrial odours - says Jolanta Zawitkowska, environmental protection specialist and Green Officer at ArcelorMittal Poland Unit in Krakow. - The air-tight sealing of gas dehydrators and pre-cooling beds will eliminate another potential source of undesirable smells from the plant. However, it is worth mentioning that there are many other business entities operating in the Nowa

Huta economic area. Also, we have to remember about the major on-going road works in the district, which means odours come from multiple sources – she comments.

The second phase of the project is expected to begin at the end of this year. The investment of air-tight sealing of tar loading unit will amount to PLN 300,000. The third phase worth PLN 1.5 m. , is scheduled for 2019, with the scope of air-tight sealing of the condensation tanks and condensation equipment.

The complete installation will be made out pipes of various diameters, with total length of 230 m – exactly the same as the length of base of the Pyramid of Cheops!

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About ArcelorMittal Poland

ArcelorMittal Poland is the biggest steel producer on the Polish market with about 70% of production capacity of the Polish steel industry. The company consists of five steel plants located in Krakow, Dabrowa Gornicza, Sosnowiec, Swietochlowice and Chorzow. It also owns the largest coke plant in Europe – ZK Zdzieszowice. ArcelorMittal Poland employs over 11,000 people and over 14,000 if subsidiaries are taken into account. The company produces a wide range of long, flat, special and semi products for construction, transport and white goods industries.

The company has transformed Polish steelmaking. It has invested PLN 6 bn in modernizing every stage of the production process. Thanks to increasing H&S standards, the company has reduced its accident frequency rate by more than 90 percent. It has decreased the CO2 emissions by 25 percent, thanks to which it has become more environmentally friendly. The company is 1 of 3 companies worldwide able to produce 120 meter rails.

ArcelorMittal Poland is consistently engaged in supporting local communities by carrying out educational, health and safety programmes. The company has invested over PLN 16 m in these projects.

For more information visit poland.arcelormittal.com

ArcelorMittal is the world's leading steel and mining company, with a presence in 60 countries and an industrial footprint in 18 countries. Guided by a philosophy to produce safe, sustainable steel, we are the leading supplier of quality steel in the major global steel markets including automotive, construction, household appliances and packaging, with world-class research and development and outstanding distribution networks.

Through our core values of sustainability, quality and leadership, we operate responsibly with respect to the health, safety and wellbeing of our employees, contractors and the communities in which we operate.

For us, steel is the fabric of life, as it is at the heart of the modern world from railways to cars and washing machines. We are actively researching and producing steel-based technologies and solutions that make many of the products and components people use in their everyday lives more energy efficient.

We are one of the world's five largest producers of iron ore and metallurgical coal. With a geographically diversified portfolio of iron ore and coal assets, we are strategically positioned to serve our network of steel plants and the external global market. While our steel operations are important customers, our supply to the external market is increasing as we grow.

In 2017, ArcelorMittal had revenues of \$68.7 billion and crude steel production of 93.1 million metric tonnes, while own iron ore production reached 57.4 million metric tonnes.

ArcelorMittal is listed on the stock exchanges of New York (MT), Amsterdam (MT), Paris (MT), Luxembourg (MT) and on the Spanish stock exchanges of Barcelona, Bilbao, Madrid and Valencia (MTS).

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