

Standardization and digitalization: Northern GOK uses modern approach to upgrade induration equipment

Northern Iron Ore Enrichment Works (Northern GOK) of METINVEST Group modernizes induration machines in Pellet Shop No.1. The enterprise has allocated UAH 270 million for renovation of production equipment.



Modernization of LURGI 278A and OK 306 induration machines is part of the investment program intended to standardize the process used on different machines and improve the quality of produced pellets.

The project was started in 2018 and includes several phases for the replacement of equipment in the blending, pelletizing and screening areas, and installation of industrial surveillance systems.

Shop specialists are presently developing the software to automatically control ore blend moisture and pelletizing disks speed. Enhancement of these processes will help maximize the output of pellets of the required 10 mm - 14 mm size. The plan is to complete the modernization of equipment in Pellet Shop No. 1 before the end of the year.

Andriy Skachkov, General Director of Northern GOK of Metinvest Group:

- To ensure effective processing in the pellet production shop, the revamp of induration machines has been in progress for three years now. The implementation of this large-scale project will help us meet the demand of Ukrainian steel makers and keep a strong position in external markets of metallurgical raw materials. The equipment upgrade projects will have positive impact on the environment and working conditions, and improve work safety. With our environmental program, we also continue modernizing the gas cleaning equipment. To reduce dust emissions to the air, we plan to replace three electrostatic precipitators of LURGI 552A. Over UAH 340 million has been directed for this.