TANK-HOUSE REFURBISHMENT

Severonickel Plant, Monchegorsk, Murmansk Region (Kola MMC)

Tank-House 1 saw refurbishment of buildings, equipment, and utility and ventilation systems. The project was completed in 2016. Tank-House 2 is to be transformed into an advanced, cost-efficient cathode nickel facility by introducing the technology of nickel electrowinning from chlorine dissolved tube furnace nickel powder.

Highlights

Tank-House 1

Capacity commissioning of	45 ktpa
CAPEX of ca.	RUB 0.8 bn

Project completed in 2016.

Tank-House 2

Increasing the capacity from	120 ktpa to 145 ktpa of nickel
Increasing the nickel recovery rate for converter matte by	more than 1%
2017 CAPEX of ca.	RUB 7 bn (ca. USD 120 mln)
CAPEX outstanding of ca.	RUB 14 bn (ca. USD 236 mln)
Progress:	~40%

PROJECT SCHEDULE

2017
42 electrolysis cells upgraded at Tank-House 2 to support chlorine leaching

2018
Gradual capacity commissioning

2019
Reaching the design capacity and performance targets

CONSTRUCTION OF A COPPER-NICKEL ORE CONCENTRATE SHIPMENT FACILITY

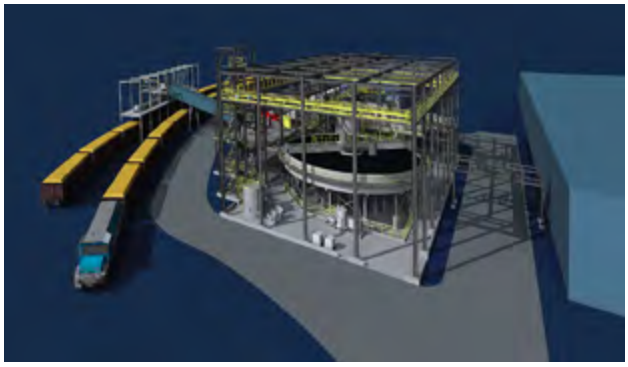
Zapolyarny, Murmansk Region (Kola MMC)

The new facility will enable the Company to split its copper-nickel concentrate into low-grade and high-grade.

No low-grade concentrate processing will lead to significant cuts in sulphur dioxide emissions in Nickel. By re-arranging shipments of low-grade concentrate from Kola MMC to a third-party processor, the Company will be able to decommission ore-thermal furnace No 3 in the smelting shop and cut the operating costs.

Highlights

Dried high-grade concentrate unit with a capacity	of 150 ktpa
2017 CAPEX of	RUB 0.8 bn (ca. USD 14 mln)
Outstanding CAPEX of	RUB 4 bn (ca. USD 71 mln)



PROJECT STATUS

September 2017
- Contract for engineering and equipment supplies signed with Outotec;
- Check-ups and surveys completed, preparation for utility systems dismantling and relocation in progress.

Q4 2018
Construction works of the project to be completed

Q2 2019
Output of key equipment