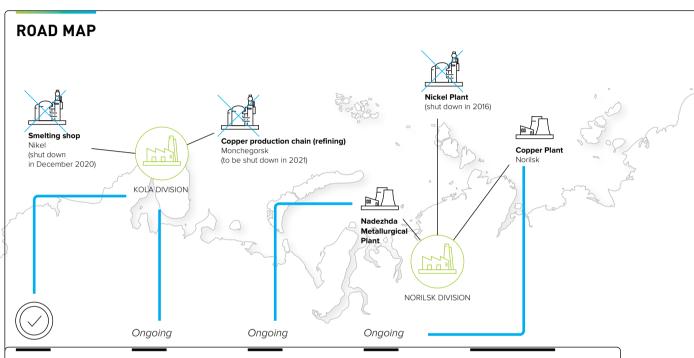
SULPHUR PROGRAMME 2.0



2020

Streamline smelting operations in Nikel to reduce SO_2 emissions in the Russia— Norway border

2021

Complete
the shutdown
of smelting
operations in Nikel
and copper
refining operations
in the Kola
Peninsula

2023

Launch Sulphur Programme 2.0 anchor initiative for the recovery of furnace gases at Nadezhda Metallurgical Plant

2025

Launch Sulphur Programme 2.0 Copper Plant initiative for the recovery of furnace and converter gases

STRATEGIC ASPIRATION 2030+

Recover sulphurpoor gases (including converter gases) at Nadezhda Metallurgical Plant

2x+

reduction in SO₂ emissions by 71% in Nikel and Zapolyarny¹

7x

reduction in SO₂ emissions by 85%¹ at the Kola Division

~2x

reduction in SO₂ emissions by 45%¹ at the Norilsk Division

10x

reduction in SO₂ emissions by 90%¹ at the Norilsk Division

20x+

reduction in SO₂ emissions by over 95%¹ at the Norilsk Division

From a 2015 baseline.

SO₂

Min

•••••

CONSTRUCTION STATUS

Nadezhda Metallurgical

A flagship project for the recovery of furnace gases and construction of sulphuric acid neutralisation facilities, including related infrastructure:

- **785%** of contracts already signed
- The project provides for the recovery of gases following the expansion of the smelting operations (3rd production line)
- Install piles and steel structures, and construct a gypsum storage facility ongoing
- · Manufacture core equipment

Copper Plant

Project to recover over 99%-99.5% of SO_2 (in line with global best practices), construction of a continuous converting complex. Preparation and update of design solutions:

 Phase 1: Launching the retrofit of the gas cleaning unit

45% of contracts already

signed

- Phase 2: Basic engineering/development of design documents – ongoing. Construction is expected to start in the second half of 2021
- Including construction of additional neutralisation facilities and related infrastructure for the 3rd furnace at Nadezhda Metallurgical Plant.

