

ZABAYKALSKY KRAY (GRK Bystrinskoye)

GRK Bystrinskoye (Bystrinsky GOK) is the Company's 50.01% subsidiary.

This new Nornickel asset is the largest greenfield project in the Russian metals industry, covering ore mining, concentration and shipment of end products to customers. The volume of ore mined and processed at Bystrinsky GOK is approximately 10 mtpa.

The construction of Bystrinsky GOK started in 2013. In October 2017, the Company embarked on the pre-commissioning phase, with the project expected to reach its design capacity after 2020. Bystrinsky GOK is located in the Gazimuro-Zavodsky District of the Zabaykalsky Krai, south-east of Gazimursky Zavod in the Ildikan valley

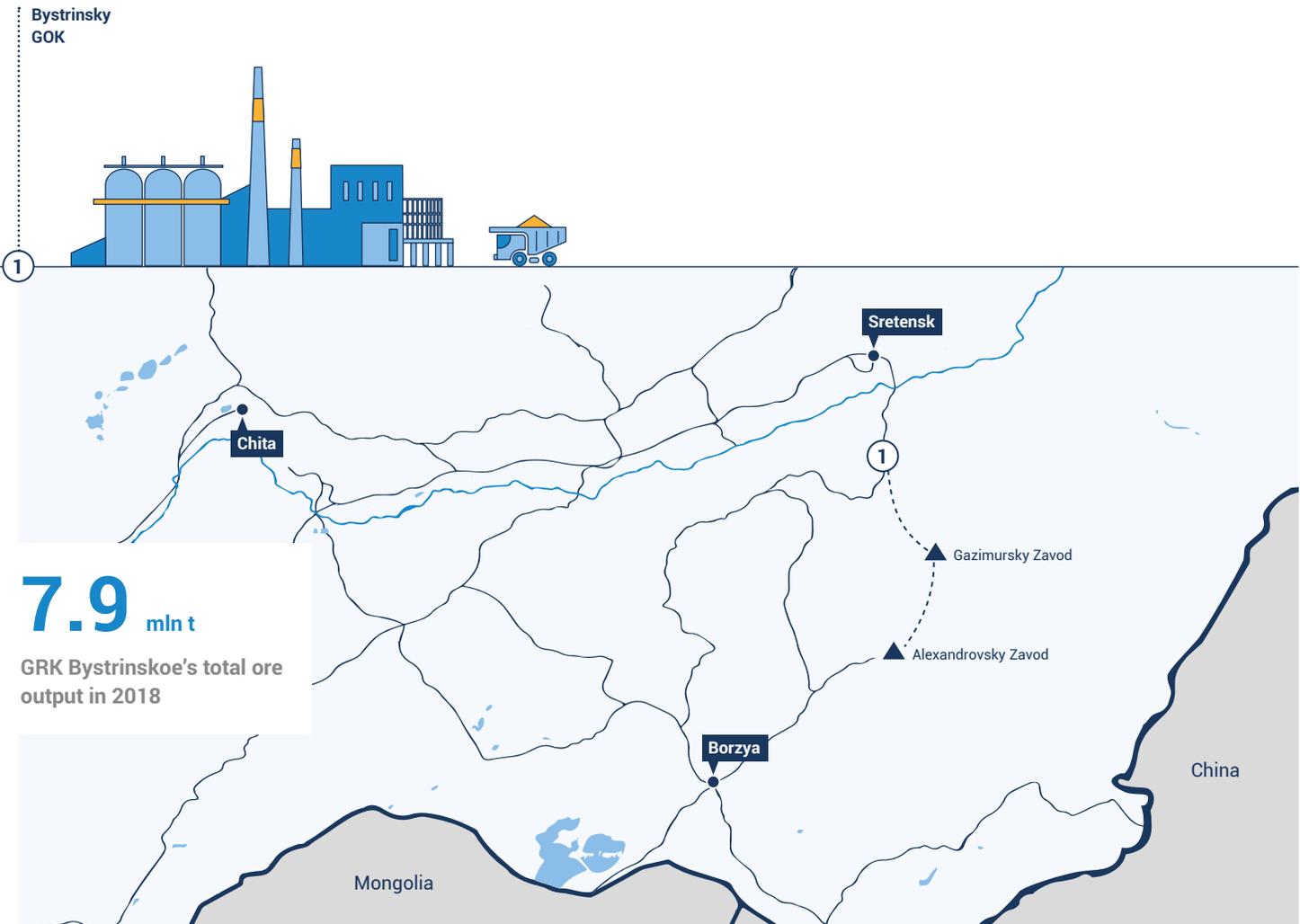
(350 km from Chita). The closest residential areas are Novoshirokinsky, 14 km north-east of the facility, and Gazimursky Zavod, a district capital 25 km to the north-west.

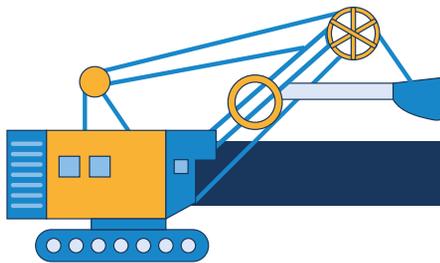
The Naryn – Gazimursky Zavod rail line was built to facilitate mining in the south-east of the Zabaykalsky Krai. In 2012, the railway became operational, allowing for traffic to Gazimursky Zavod.

2018 milestone



In 2018, Bystrinsky GOK accounted for 4% of the Group's total copper end products.



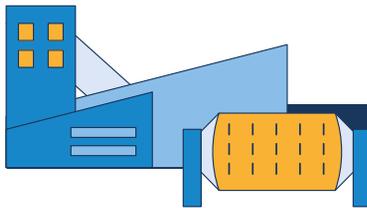


MINING (GRK Bystrinskoye)

Bystrinsky GOK mines gold-iron-copper ores.

Ore output (mt)

Mining asset	2018	Mine type
Total ore mined	7.86	
Bystrinskoye Deposit	7.86	
Verkhneildikansky open pit mine	7.43	● Open-pit
Bystrinsky-2 open pit mine	0.43	● Open-pit



CONCENTRATION (GRK Bystrinskoye)

Concentration facilities

- Concentrator.

The construction began in 2015, with the Concentrator intended to process ores of the Bystrinskoye Deposit to produce copper, magnetite, and gold concentrates. The key processing stages include crushing, milling, flotation, thickening, filtration and packaging. The Concentrator

is designed to have two separate processing streams, both of which were launched in 2018 as part of the pre-commissioning stage.

Copper and magnetite concentrates are sold to third parties, while gold concentrates are further processed at Polar Division.

Product offering:

- copper concentrate;
- gold concentrate;
- magnetite concentrate.

Concentration

Indicator	2018
Ore processing, mt	3.8
Copper concentrate, kt	76.5
Cu in concentrate, %	25.4
Magnetite concentrate, kt	346.2
Fe in concentrate, %	64.1
Gold concentrate, t	92.4
Au in gold concentrate, g/t	6,218