



BUILDING A NEW METALS AND MINING FACILITY

BUILDING A NEW METALS AND MINING FACILITY AT STOILENSKY MINING AND BENEFICIATION PLANT



RUB
250
billion

Investment



1,300 New jobs



2027 Commissioning



Alignment with national projects
for export development
and the environment



PROJECT SCOPE:

- Expanding the open-pit mine
- Boosting beneficiation and pelletizing capacities
- Building an HBI production facility

PRODUCTS:

- Concentrate
- Pellets with increased Fe content
- Hot-briquetted iron (HBI)



INTEGRATED PRODUCTION CHAIN WITH MAXIMUM DIGITALIZATION



**Increasing ore
extraction
and processing**

**+24 m tonnes
of ore**



**Building new ore
beneficiation
capacities**

**+10 m tonnes
of concentrate**



**Building new
capacities for
producing pellets
with a high Fe
content**

**+9 m tonnes
of pellets**



**Setting up a facility
for hot-briquetted
iron production**

**+2.5 m tonnes
of HBI**

LOW-CARBON STEELMAKING PROCESS



HBI is a cutting-edge raw material for green steel production



The downward CO₂ emission trend drives global demand for HBI

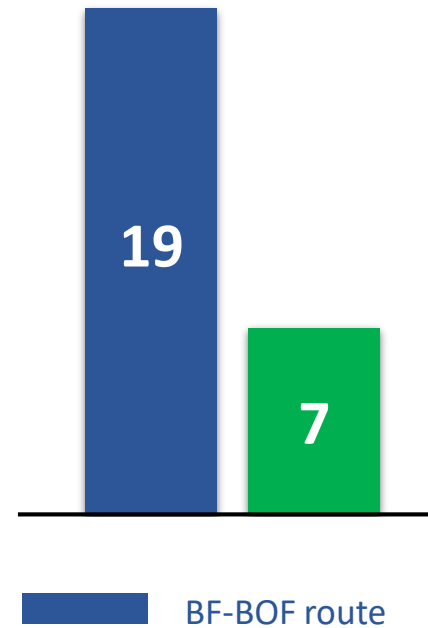


High added value: replacing pig iron and scrap

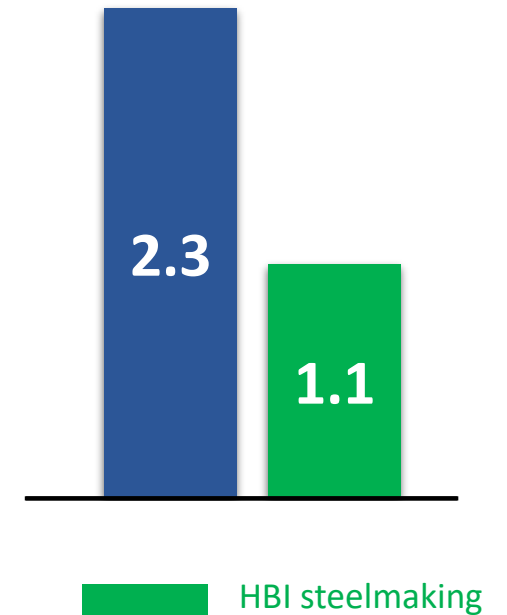
+1 million tonnes per year
export volumes

-3 million tonnes per year
reduction in CO₂ emissions when using HBI

Average specific emissions of pollutants, kg/t of steel



Average specific CO₂ emissions, t/t of steel



USING BEST AVAILABLE TECHNOLOGIES TO REDUCE ENVIRONMENTAL FOOTPRINT



CONVEYOR
TRANSPORTATION
FROM OPEN-PIT MINE

x2 reduction
in emissions



MAXIMUM
UTILIZATION
OF RECYCLED
RAW MATERIALS



CLOSED LOOP WATER
SYSTEM



EFFECTIVE GAS
PURIFICATION

99%