

# INTERPIPE: GREEN STEEL IN UKRAINE SINCE 2012





**Interpipe, a Ukrainian industrial company, is one of the top global exporters of steel pipes and railway wheels and wheelsets under KLV brand. Interpipe needs for steel billets is 100% covered by own facilities – Interpipe Steel plant.**

**Interpipe Steel – is an innovative EAF complex, launched in 2012 with best available technologies from Danieli. It enabled Interpipe to achieve one of the lowest greenhouse gas emission intensities in the global steel industry – lower than 200 kg per ton of steel billets – that reflects low carbon nature of Interpipe production.**

**Zero-emission steel production technologies are still at the R&D and pilot stage. Therefore, currently Interpipe products most closely correspond to the concept of “green steel”.**

# Interpipe committed to the highest standards of environmental protection



## Low carbon footprint

### Interpipe Steel (EAF steel billet production)

<110 kg per ton of steel (Scope 1)  
<230 kg per ton of steel (Scope 2)

### Interpipe Niko Tube and Interpipe NMPP (pipe production)

<300 kg per ton of steel (Scope 1)  
<210 kg per ton of steel (Scope 2)



## Recycling development

96% of steel produced from scrap



## Clean energy usage

Over 65% of energy comes from environmentally sustainable sources



## Continuous improvement

ISO 50001:2018 Certificate for Energy Management System

ISO 14001: 2015 Certificate for Environmental Management System

Interpipe is constantly working to reduce its own emissions and therefore customers' emissions through implementation of energy efficiency projects, as well as to reduce consumption of natural gas and take environmental protection measures in form of capital repairs, cleaning and ensuring the efficient operation of environment protection equipment (dust-trapping and wastewater treatment equipment).



## Promotion of "green economy"

Interpipe contributes to development of "green" energy supplying pipes for the supporting structure of offshore wind turbines in Taiwan, the North Sea, geothermal stations in Hungary, Turkey.

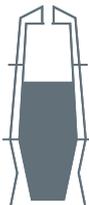
The company supplies railway wheels for speed and high-speed trains promoting future of mobility and low-carbon transport.

# Interpipe – is the first-choice product to reduce carbon footprint

Climate change is a global challenge for the whole community. Supporting the fight against the climate change is one of the most important tasks for Interpipe. In 2020, United Nation SDG 13 “Combating Climate Change” was identified as one of the priority goals of sustainable development.

Interpipe has lower GHG emission intensity compared to other steelmakers. Low-carbon products from Interpipe could improve environmental performance and sustainability of customers. Volume of GHG emissions intensity of Interpipe is up to 8x times lower than BF-BOF.

Lower emissions of Interpipe mean low supply-chain connected emissions of customer (Scope 3 under GHG Protocol Guidance). Having the state-of-the-art steel production, we are among the top benchmark mills in EU in terms of Scope 1 CO2 emissions. Interpipe products will be the best way to accelerate achievement of emission reduction targets for customers.



**Interpipe Steel direct GHG emissions intensity 8x lower than BF-BOF producers**



# “Green transition” creates a number of benefits for buyers of low-carbon products

## Benefits of buying low-carbon steel products



Reduction of carbon emissions (Scope 3)



Ability to take part in “green procurements”



Raising of business sustainability through reducing environmental risks



Building a sustainable procurement system



Access to new customers and markets that have high requirements for environmental footprint



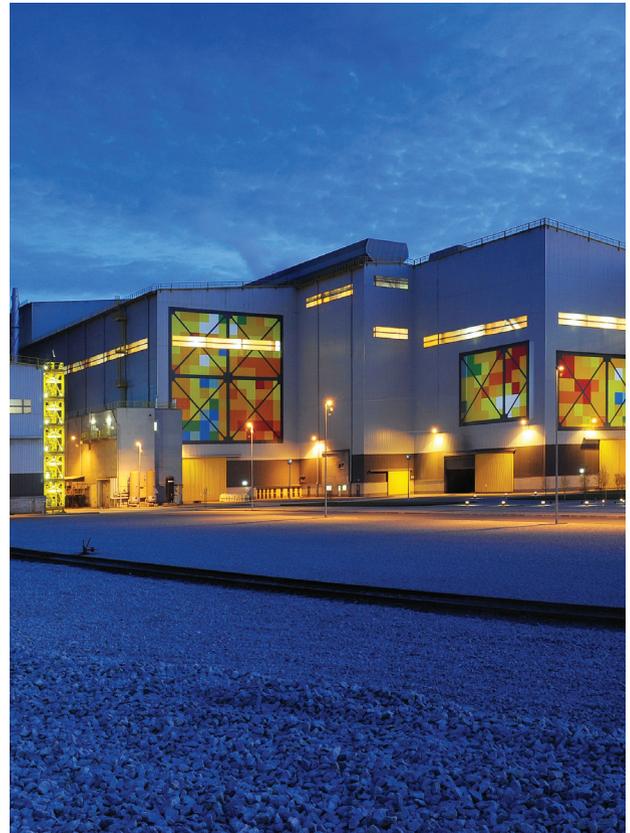
Improving of business reputation



New opportunities for working with investors

The goals to reduce GHG emissions are dictated not only by the state, but also by final buyers and investors. A new eco-normality is being formed, which will soon be fixed in form of standards. Environmental issues create new possibilities and risks for sustainability of production companies at the same time.

You need a sustainable supply chain to build a sustainable business. Interpipe, as supplier of low-carbon products, provides customers with a number of benefits to their business.



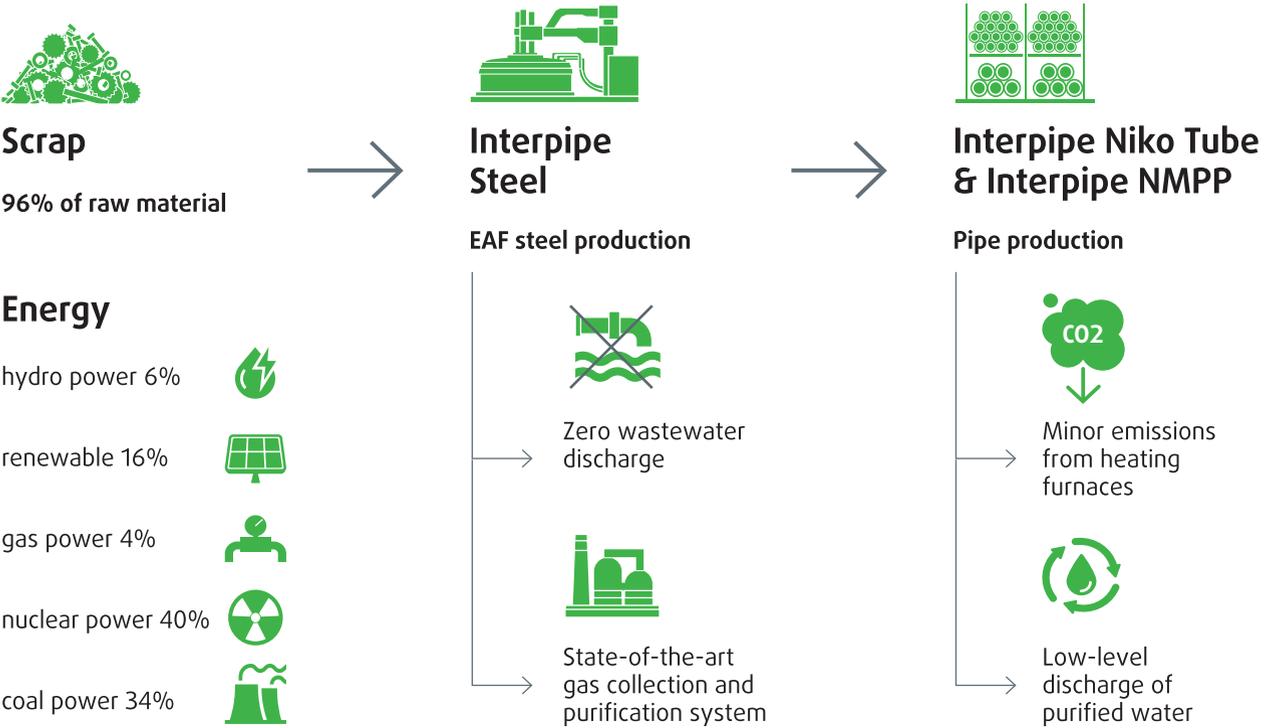
# Interpipe – sustainable business

## Direct GHG emissions intensity of Interpipe is already lower than the 2050 EU regulatory requirements

The steel industry faces a critical task of reducing emissions to net zero in the upcoming decades to reach Paris Climate Agreement goals. Owing to state-of-the-art and highly efficient technologies, Interpipe already complies to the European regulatory requirements to carbon intensity set for 2050 (<300 kg per ton of steel).

Interpipe has vertically integrated structure that allows controlling product quality at every stage: from raw materials manufacture to delivery of final products to customers.

The company has implemented a quality management system based on a set of interrelated processes, a risk-oriented approach to management, which meets the requirements of all local and international regulatory documents. We follow the principle of preventive assessment of opportunities to avoid or reduce generation of any waste, therefore continuously allocate funds for environmental improvements at all company assets.



# Interpipe Steel is a benchmark for green steel in Ukraine

Back in 2012, a few years before the European Green Deal emerged, Interpipe made the largest environmental investment in the Ukrainian industry, investing \$1 billion into construction of the innovative electric steel-making complex Interpipe Steel, and closing the outdated environmentally dirty open-hearth production.

The best available technologies were applied in the company's EAF Interpipe Steel plant. It reduced energy consumption per ton of steel by 2.2 times and shortened consumption of natural gas by 60 million cubic meters. It enabled Interpipe to achieve one of the lowest GHG emission intensity in the global steel industry – 200 kg per ton of finished product.

Zero-emission steel production technologies are still at the R&D and pilot stage, but the state-of-the-art Interpipe Steel plant already meets the best practices in global steel industry. Therefore, at the moment Interpipe products most closely correspond to the concept of "green steel".

Interpipe Steel has been equipped with a state-of-the-art gas collection and purification system to reduce the dust content in the emissions. The capacity of this gas purification system allows efficient collection of gas and dust, generated during the steel-melting process. The dust is precipitated in filters and then granulated. As a result of such process, the atmospheric air gets virtually pure gases. To constantly monitor emission parameters, Interpipe built an atmospheric air monitoring post on the border of the sanitary zone of the plant and transferred it to the balance of the city municipality.



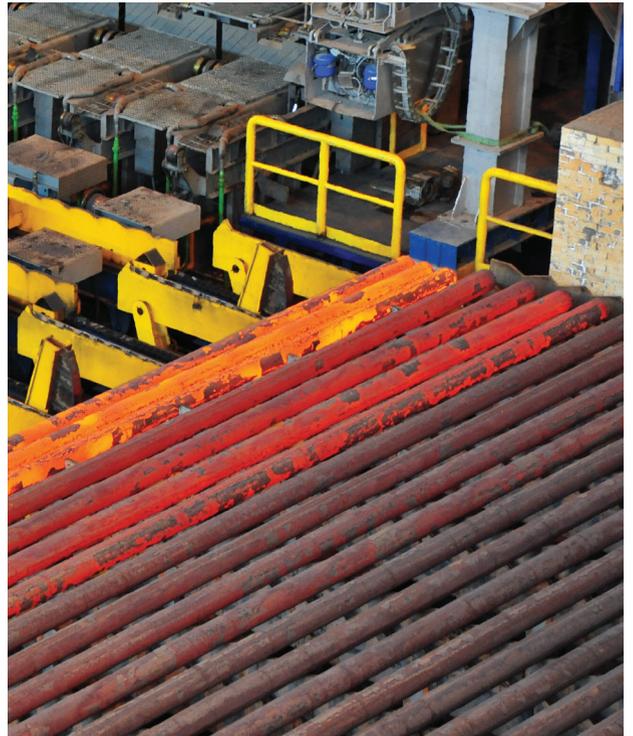
The mill has been equipped with a unique water supply system. Engineering solutions, applied at the design phase of the electric steel-melting complex construction project, ensure the completely closed circulating water supply system of the mill, without any industrial wastewater discharge to the Dnipro River and other ponds.



Construction of Interpipe Steel was financed through the Italian export credit agency Sace. In cooperation with it, Interpipe was obliged to regularly verify compliance with European environmental requirements at each stage of the plant construction.

The environmental impact audit was performed exclusively by ESA's European accredited partner, Fihntner. Even after construction was completed, environmental inspectors from the European Union visited Interpipe Steel for inspections on compliance with eco-standards.









**INTERPIPE**

[www.interpipe.biz](http://www.interpipe.biz)

