



17th Session of the Group of Experts on Coal  
Mine Methane  
Jastrzębska Spółka Węglowa S.A.

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Drainage Office



The JSW Group is the largest producer of high quality hard coking coal in the European Union and one of the leading producers of coke used for smelting steel. Production and sale of coking coal and production and sale of coke and hydrocarbons constitute JSW Group's core business.

In 2021 the JSW Group's mines produced:

- 13.7 mt of coal,
- 3.6 mt of coke.

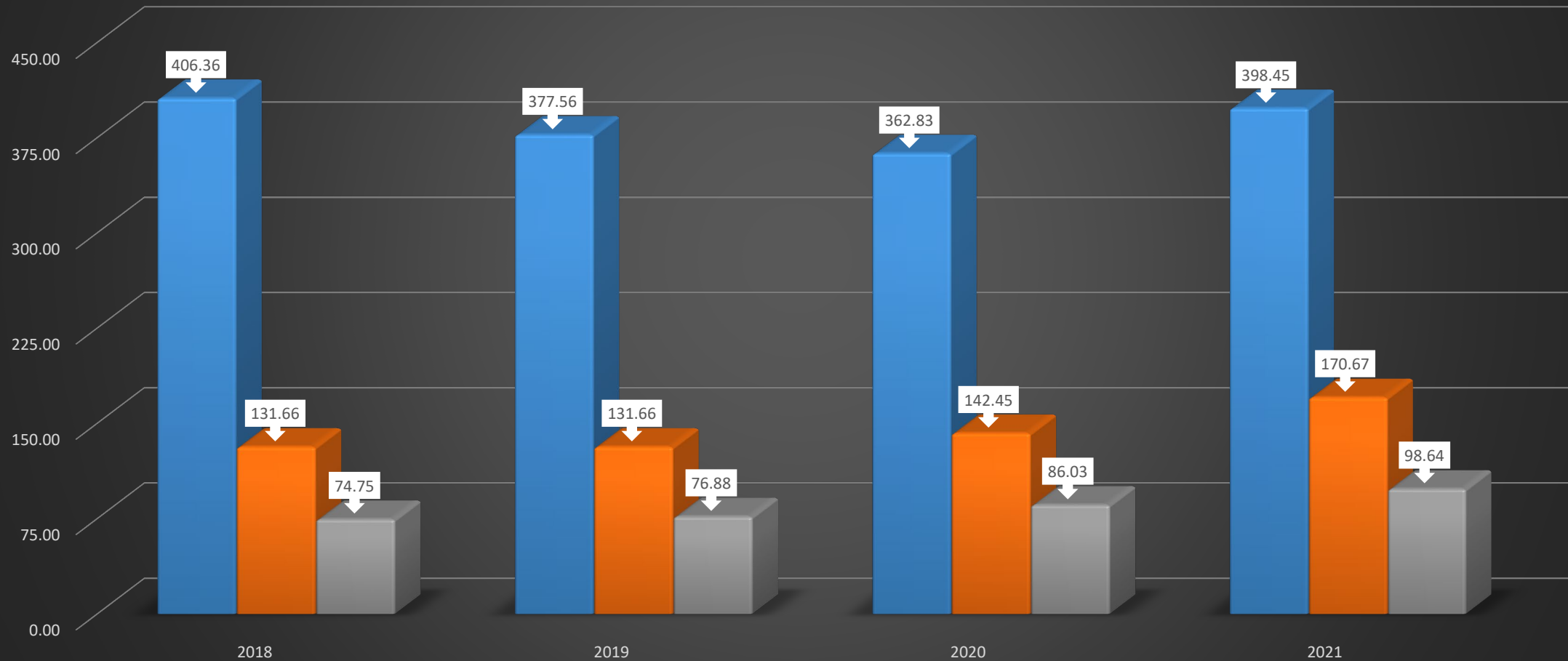


The European Commission listed coking coal in the list of Critical Raw Materials for the EU.

2020 CRITICAL RAW MATERIALS (30)			
ANTIMONY	<b>COKING COAL</b>	LITHIUM	PHOSPHORUS
BARYTE	FLUORSPAR	LREES	SCANDIUM
BAUXITE	GALLIUM	MAGNESIUM	SILICON METAL
BERYLLIUM	GERMANIUM	NATURAL GRAPHITE	TANTALUM
BISMUTH	HAFNIUM	NATURAL RUBBER	TITANIUM
BORATES	HREES	NIONIUM	VANADIUM
COBALT	INDIUM	PGMS	TUNGSTEN
		PHOSPHATE ROCK	STRONTIUM

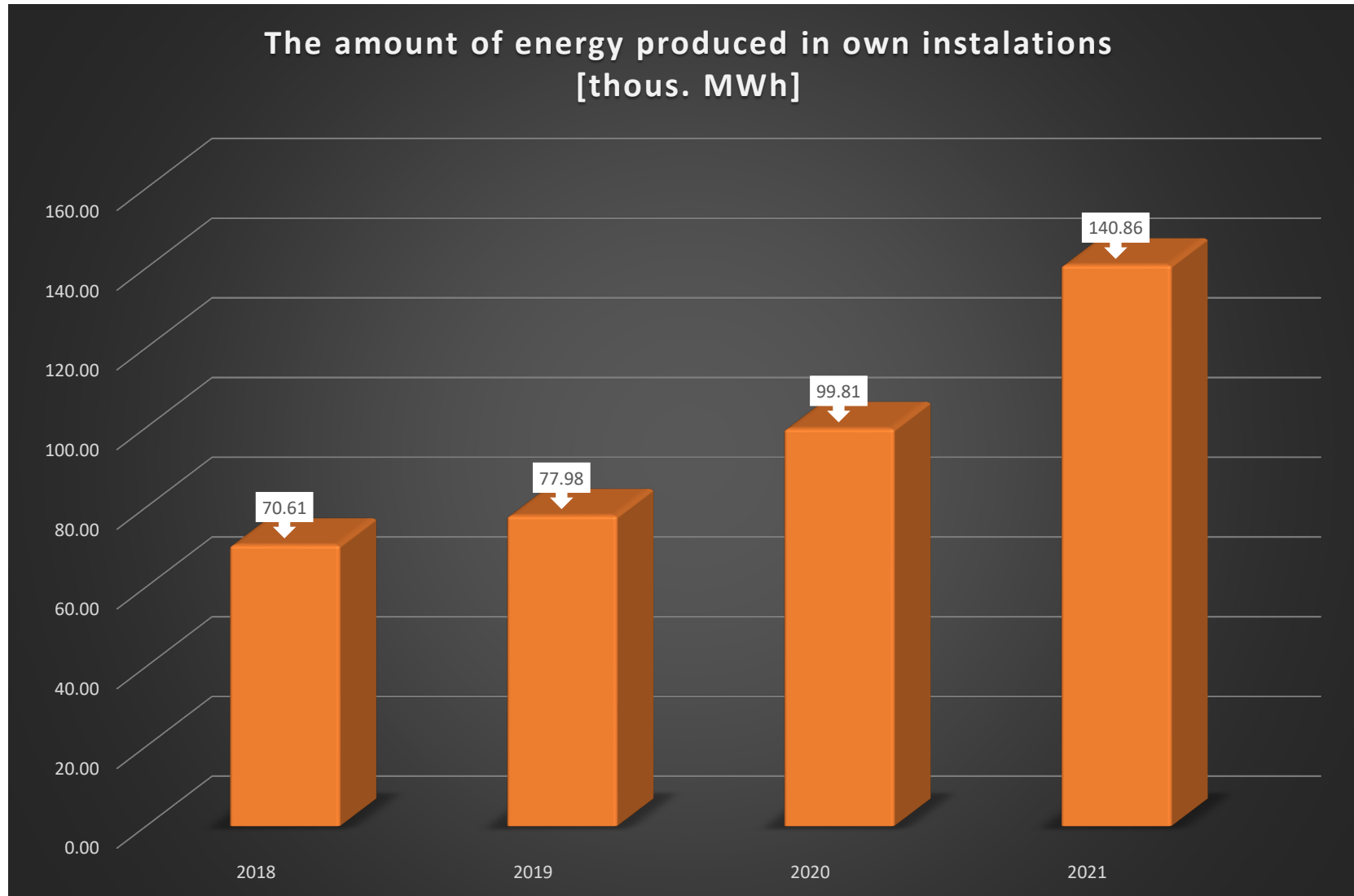
JSW's methane 2018-2021  
[mln m<sup>3</sup>]

■ Methane capacity ■ Methane drainage ■ Economic use



# Jastrzębska Spółka Węglowa

## Self-production of energy from methane



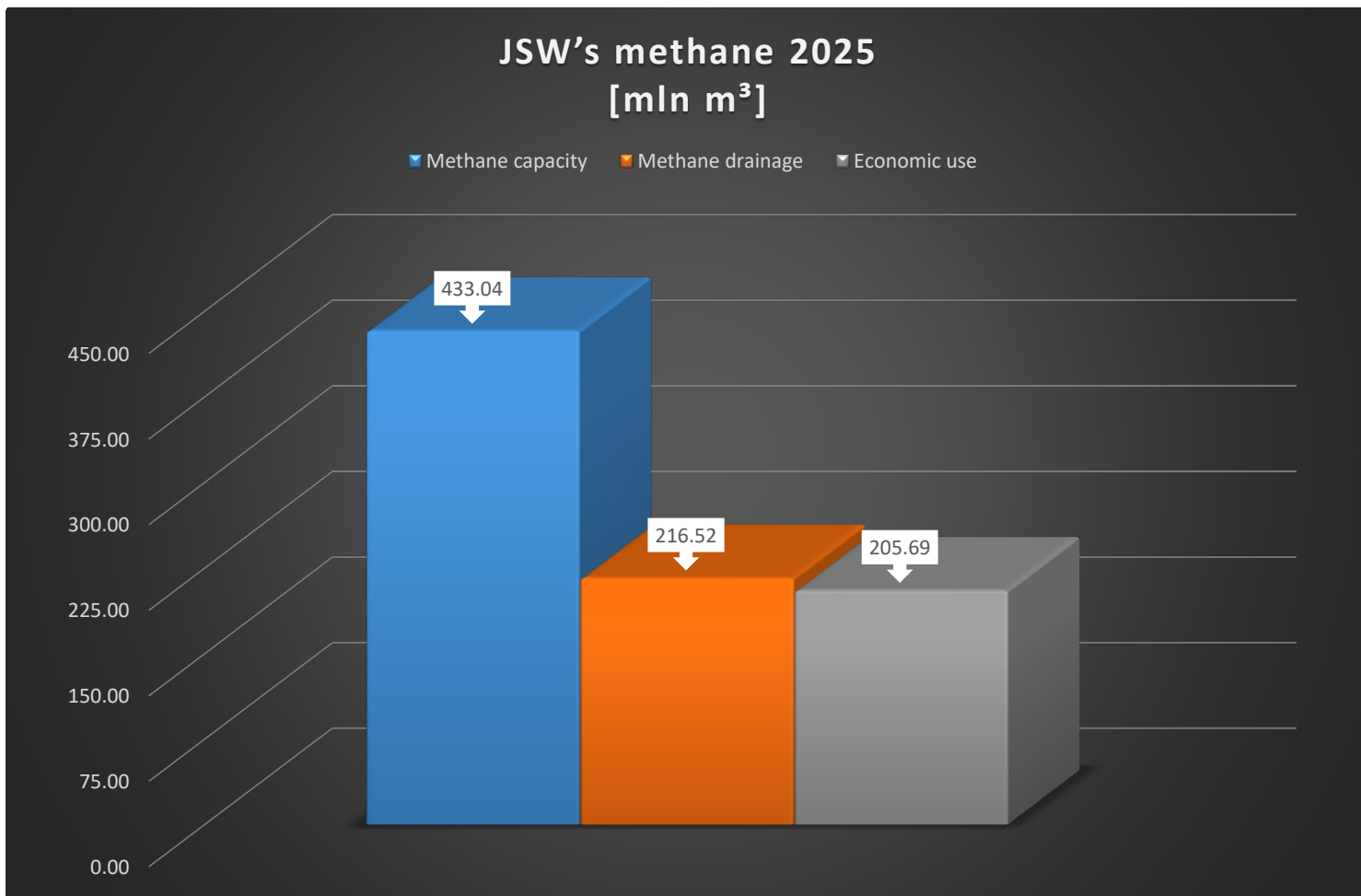
## **Reduction of the JSW Group's carbon footprint by 30% by 2030 compared to 2018**

The carbon footprint at the JSW Group is largely related to methane emissions to the atmosphere. Therefore, projects related to the reduction of methane emissions to the atmosphere and its economic use are currently underway.

Jastrzębska Spółka Węglowa has launched the Methane Emission Reduction Program, the fundamental assumptions of the program are:

- Increasing methane drainage effectiveness to 50%.
- Economic use of captured methane to over 95%.

# Future of methane in Jastrzębska Spółka Węglowa S.A.



**95%**

Planned Energy use of the captured methane in 2025

**50%**

Methane drainage effectiveness in 2025

# Proposal for a regulation of The European Parliament and of The Council on methane emissions reduction in the energy sector

## **Article 20**

*„1. For underground coal mines, mine operators shall perform continuous ventilation air methane emissions measurement and quantification on all exhaust ventilation shafts used by the mine operator [...].“*

## **Article 22**

*„1. Venting and flaring of methane from drainage stations shall be prohibited from **1 January 2025** [...].“*

*„2. Venting of methane through ventilation shafts in coal mines emitting more than 0.5 tonnes of methane/kilotonne of coal mined, other than coking coal mines, shall be prohibited from **1 January 2027**.“*

*„3. By ... [**three years from the date of entry into force of this Regulation**] the Commission shall adopt a delegated act in accordance with Article 31 to supplement this Regulation by setting out restrictions on venting methane from ventilation shafts for coking coal mines.“*

## **Article 27**

*„1. By ... [9 months from the date of entry into force of the Regulation] and by 31 December every year thereafter, importers shall provide the information set out in Annex VIII to the competent authorities of the importing Member State.“*

## Summary

**Proposed regulation is not a tool for real reduction of coal mine methane emissions**

**but**

**it was designed to rapidly shut down underground coal mining sector in the EU.**

**Mitigation of CMM emissions – YES !**

**but**

**Is it not necessary to change the approach and verify the proposed regulation not only due to the geo-political situation in Eastern Europe?**





*Thank you*

For more information visit us on [www.cmm-energy.eu](http://www.cmm-energy.eu)

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 **GPW**  
SPÓŁKA NOTOWANA NA

**WIG20**