INVESTOR RELATIONS DEPARTMENT
CARBON FOOTPRINT RELEASE

Dear Stakeholders,

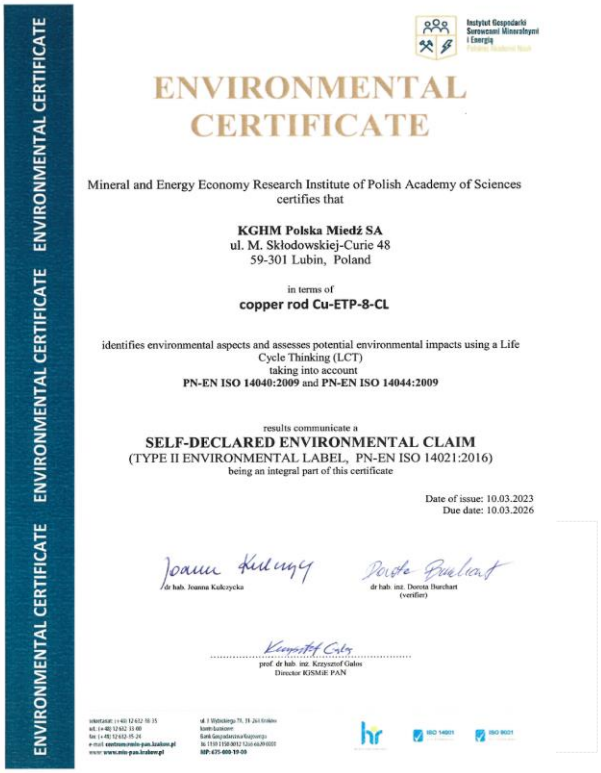
We are pleased to announce the publication of the environmental footprint, including the carbon footprint of KGHM's flagship copper products: **copper cathodes, wire-rod** and **Cu-OFE rod.** The Mineral and Energy Economy Research Institute of the Polish Academy of Sciences (PAN) performed an analysis in compliance with ISO standards, and prepared environmental declarations. The copper products of KGHM have a footprint which is lower than the global average of such indicators. The copper cathodes produced in the Głogów and Legnica smelter/refineries are the basic product of KGHM Polska Miedź S.A. They are characterised by their very high quality, as attested to by certificates issued by the London Metal Exchange, the Shanghai Futures Exchange and the International Energy Exchange in Shanghai (INE). Quality is guaranteed by the brands: HML for Legnica, HMG-S for Głogów I and HMG-B for Głogów II, under which they are registered on the London Metal Exchange as grade „A".

KGHM has calculated and published its ENVIRONMENTAL FOOTPRINT and CARBON FOOTPRINT

Link to Certificates and Self-declarations:

ESG | KGHM Corporate Website

Should you have any questions, please feel free to contact us.



ENVIRONMENTAL CERTIFICATE ENVIRONMENTAL CERTIFICATE ENVIRONMENTAL CERTIFICATE

Instytut Gospodarki Surowcami Mineralnymi i Energią

ENVIRONMENTAL CERTIFICATE

Mineral and Energy Economy Research Institute of Polish Academy of Sciences certifies that

KGHM Polska Miedź SA
ul. M. Skłodowskiej-Curie 48
59-301 Lubin, Poland

in terms of
copper rod Cu-ETP-8-CL

identifies environmental aspects and assesses potential environmental impacts using a Life Cycle Thinking (LCT) taking into account
PN-EN ISO 14040:2009 and **PN-EN ISO 14044:2009**

results communicate a
SELF-DECLARED ENVIRONMENTAL CLAIM
(TYPE II ENVIRONMENTAL LABEL, PN-EN ISO 14021:2016)
being an integral part of this certificate

Date of issue: 10.03.2023
Due date: 10.03.2026

dr hab. Joanna Kulczycka

dr hab. inż. Dorota Burchart (verifier)

prof. dr hab. inż. Krzysztof Galos
Director KISMiE PAN

Responsible environmental management by corporations begins with the measurement of how a given company impacts the environment and climate. For this reason, the decision was made to calculate the environmental footprint, including the carbon footprint of its copper products. The analysis comprised a wide assortment of parameters, including greenhouse gas emissions, starting from the mining of the raw material to the use of energy in the production process and finally the preparation of the end product.

Tomasz Zdzikot, President of KGHM

8 mm copper wire rod is produced by the Contirod® continuous smelting, casting and rolling process, mainly using cathodes produced by the Company's metallurgical divisions, in the Cedynia Wire Rod Plant Division of KGHM Polska Miedź S.A. Cedynia produces wire rod in five quality classes, matched to the needs of individual customers. The product is primarily used in the cable, electromechanical and electrotechnical industries. The wire rod market, due to its nature, is highly competitive and demanding.

In 2022, production of wire rod and OFE rod by KGHM Polska Miedź S.A. amounted to 284.8 thousand tonnes, or nearly 11% of European production. This result makes KGHM one of Europe's leading producers of these copper half-finished products.

INVESTOR RELATIONS DEPARTMENT

CARBON FOOTPRINT RELEASE

Carbon footprint	Over-fertilization (eutrophication)	Summer smog	Water consumption
Assessment of potential impact on climate change /global warming	assessment of impacts which could result in ecological degradation in water reservoirs, e.g. algae blooms and oxygen depletion	(photochemical creation of ozone) assessment of impact on emissions causing summer smog	Fresh water which leaves the water unit and is considered as consumed
in kg CO_2 eq./t Cu	in kg phosphorates eq./t Cu	in kg NMLZO(1)/t Cu	in kg/t Cu
Cathodes: Legnica 1551.86	Cathodes: Legnica 0.13	Cathodes: Legnica 3.78	Cathodes: Legnica 1269.99
Głogów I 2960.63	Głogów I 0.24	Głogów I 7.87	Głogów I 2875.32
Głogów II 2148.99	Głogów II 0.20	Głogów II 7.49	Głogów II 2322.49
Wire rod: 2288.10	Wire rod: 0.19	Wire rod: 6.44	Wire rod: 2117.03
Cu-OFE rod: 3091.07	Cu-OFE rod: 0.28	Cu-OFE rod: 8.42	Cu-OFE rod: 2882.73

(1) Non-methane Volatile Organic Compounds

Green KGHM

The analyses conducted confirm that the metallurgical plants of KGHM (the Legnica Copper Smelter and Refinery, the Głogów Copper Smelter and Refinery and the Cedynia Wire Rod Plant) produce metal responsibly and in compliance with the highest standards. The metallurgical plants have implemented an Environmental Management System compliant with **ISO 14001**. Moreover, the divisions in Legnica and Głogów hold the internationally-recognised Copper Mark certificate. KGHM expects that its Cedynia Wire Rod Plant will also soon join this group.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environmental aspects and potential life cycle impact

copper rod Cu-ETP-8-CL

PRODUCER:
KGHM Polska Miedź S.A.
Division Cedynia Wire Rod Mill in Orsk
ul. M. Skłodowskiej-Curie 48
59-301 Lubin, Poland
+48 76 74 78 200
https://kghm.com/

BACKGROUND INFORMATION:
Date of the study: 10.03.2023
Normative reference: PN-EN ISO 14001:2015
Prepared on the basis of: results of the LCA environmental life cycle assessment study*
Method LCIA: EF 3.0 Method (adopted) V3.03 / EF 3.0 normalization and weighting set
Analysis scope: from cradle to gate
Type of EPD: cradle to gate with declared environmental claim (RS 1.16 PN-EN ISO 14021:2016-06)
Declared product life: 10 years
Functional unit: 1 ton of copper rod Cu-ETP-8-CL

* Report on the study, MEERI PAS, Cracow 2023


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Mineral and Energy Economy Research Institute of Polish Academy of Sciences certifies that

KGHM Polska Miedź SA
ul. M. Skłodowskiej-Curie 48
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in terms of
Cu-OFE wire
CuAg wire

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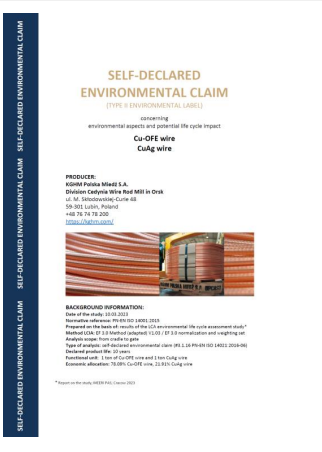
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Cu-OFE wire
CuAg wire

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Type of EPD: cradle to gate with declared environmental claim (RS 1.16 PN-EN ISO 14021:2016-06)
Declared product life: 10 years
Functional unit: 1 ton of Cu-OFE wire and 1 ton Cu-Ag wire
Economic allocation: 70.08% Cu-OFE wire, 22.91% Cu-Ag wire

* Report on the study, MEERI PAS, Cracow 2023

INVESTOR RELATIONS DEPARTMENT

CARBON FOOTPRINT RELEASE

The Environmental Certificates granted to KGHM enable the Company to communicate our environmental footprint and carbon footprint in the form of self-declared environmental claim resulting from detailed research and analysis.

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prof. dr hab. inż. Krzysztof C
Director IGSMiE P

SELF-DECLARED ENVIRONMENTAL CLAIM

Copper rod

SELF-DECLARED ENVIRONMENTAL CLAIM

(TYPE II ENVIRONMENTAL LABEL)

concerning
environmental aspects and potential life cycle impact

copper rod Cu-ETP-8-CL

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SELF-DECLARED ENVIRONMENTAL CLAIM

Cu-OFE wire

SELF-DECLARED ENVIRONMENTAL CLAIM

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concerning
environmental aspects and potential life cycle impact

Cu-OFE wire
CuAg wire

PRODU
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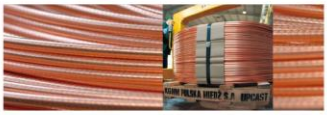

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Analysis scope: from cradle to gate
Type of analysis: self-declared environmental claim (#3.1.16 PN-EN ISO 14021:2016-06)
Declared product life: 10 years
Functional unit: 1 ton of Cu-OFE wire and 1 ton CuAg wire
Economic allocation: 78.09% Cu-OFE wire, 21.91% CuAg wire

* Report on the study: MERI PAS; Cracow 2023