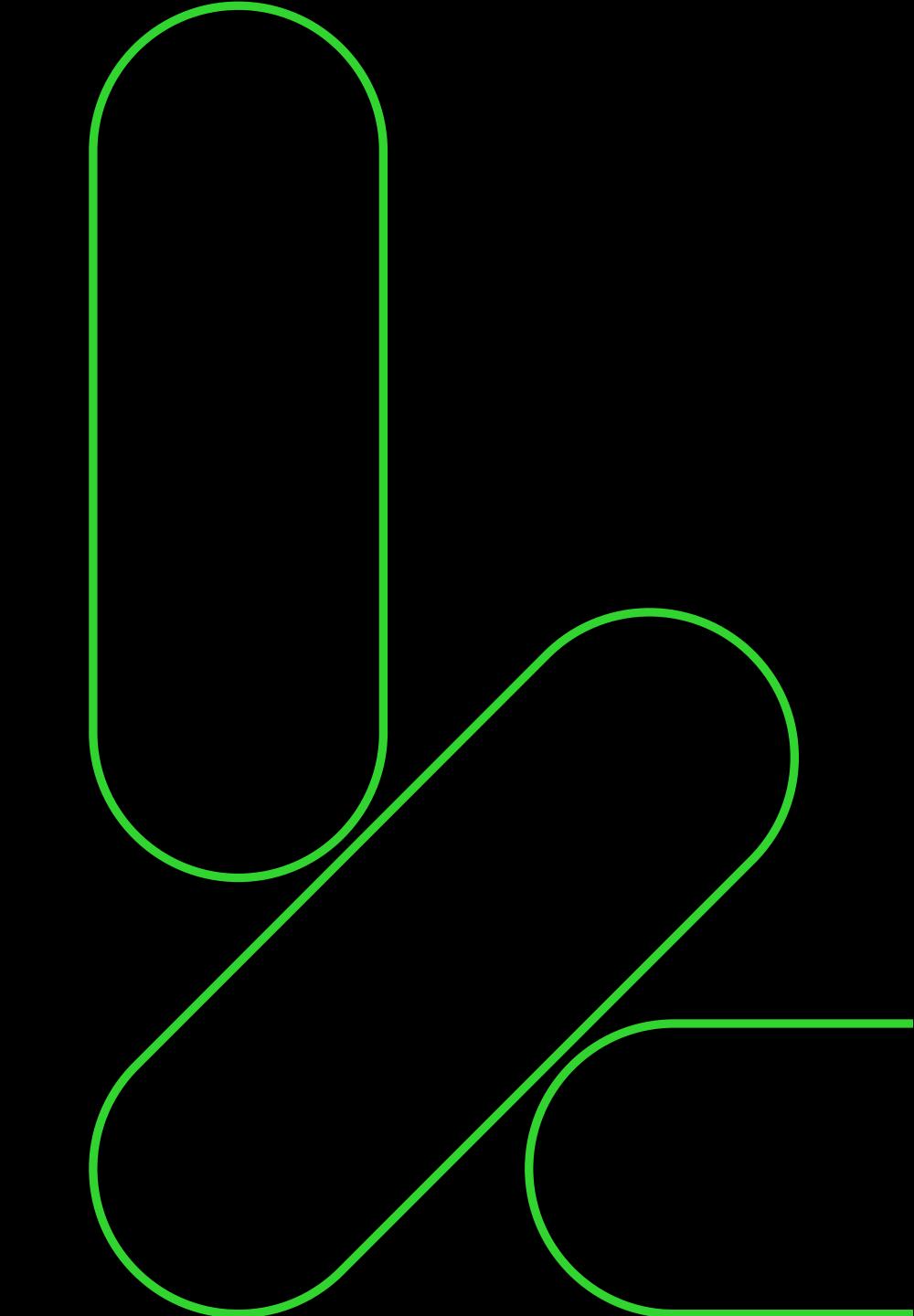


Fostering initiatives and supporting activities within the realm of industrial transformation to address the current challenges of the global economy

Karolina Dudek

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TOPICS TO EXPLORE





as a promising fuel

Behavior and corrosion of refractory linings in H₂-fired furnaces?

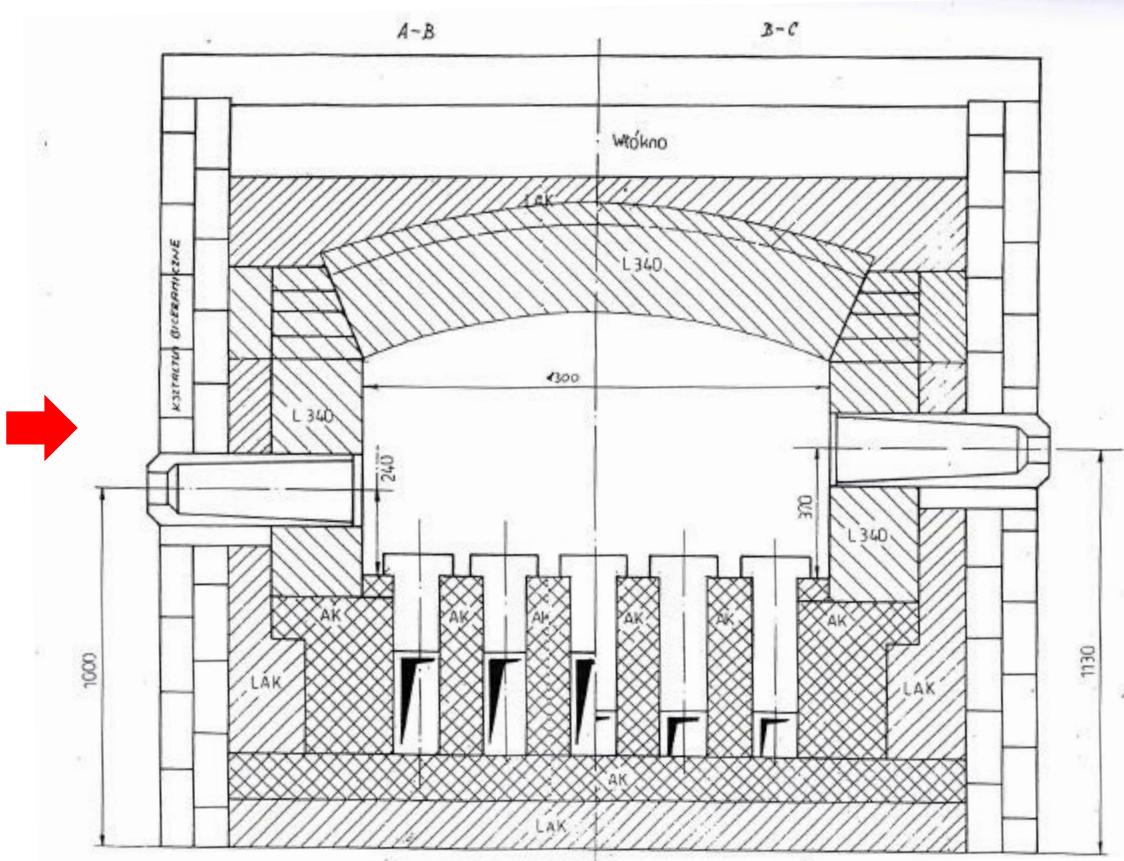


Hydrogen furnance, chamber work 1m³, 1700 °C, flexible H₂ concentration



Reducing of CO₂ emissions





TOPICS TO EXPLORE

Problem: Access to raw materials



Use waste raw materials



Development of innovative technologies



Reducing of CO₂ emissions

Reducing of waste storage



ROLE OF PARTNER

- We are looking for a leader experienced in overseeing large international projects.
- We are willing to cooperate with the consortium.

WE OFFER:

- Extensive experience,
- A well-equipped laboratory enabling research and development of ceramics,
- Accredited research methods,
- Experiments in the semi-technical scale,
- Production of ceramics in small series,
- Team of professionals.



EXPERIENCE IN EU R&D&I PROJECTS

- 2013-2015 7th Framework Programme (FP7) "Review and improvement of testing Standards for Refractory products"
- 2014-2016 CORNET 16, "Optimisation of the water-to-cement-ratio to improve the setting, drying and high temperature behaviour of refractory castables"

Review and improvement

of testing Standards for

Refractory products

- 2017-2018 CORNET 20, "Changes in thermomechanical properties of monolithic materials during heating - optimization of the sintering process"
- 2021-2022 CORNET 29, RefraPredict "Predictability of long-term refractoriness of refractory high alumina monolithics under high thermal load with special regard to impurities introduced by secondary raw materials"





























Thank you for your attention.

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