

Core equipment

- Ultrasonic Spray Coating.
- Simultaneous Thermal Analysis (DSC-TG) coupled with released gas analysis (QMS) including hydrogen.
- Dilatometer.
- Scanning Electron Microscopy (SEM) with elemental analysis (EDS).
- X-ray diffractometer.
- Fourier-transform infrared spectrometer (FTIR).
- Raman spectrometer.
- UV-VIS spectrophotometer.

The Key to Green Hydrogen and the Industry of the Future



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Łukasiewicz
Institute
of Electrical
Engineering

Innovative Structural Heterogeneous Catalysts

At the Łukasiewicz- Institute of Electrical Engineering Research Center for Hydrogen Technology, we are leveraging catalysis to shape the future of green hydrogen infrastructure and P2X technologies



R&D

We offer comprehensive R&D services tailored to meet our clients' unique needs, covering every stage of product development—from design and prototyping to testing and evaluation.

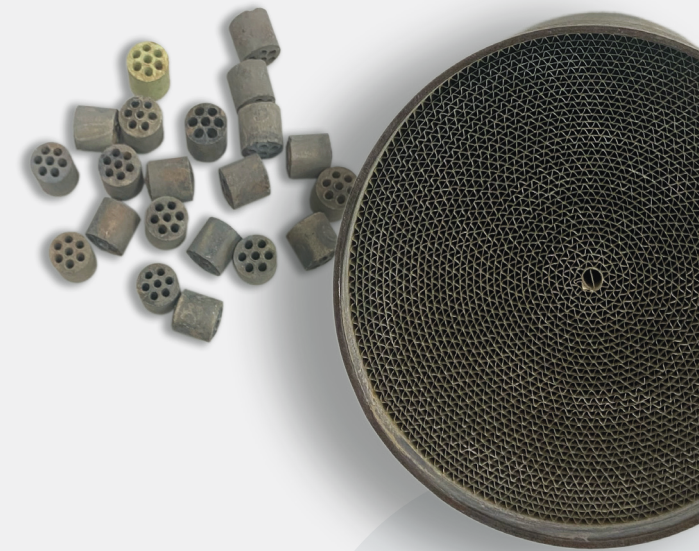
Expert services

We provide customized catalyst manufacturing and coating solutions using advanced Spray Coating Technology to create nanomaterial layers. Our structured catalysts can be tailored with a variety of metal surfaces to meet specific needs.

We are an innovative Research Center for Hydrogen Technology, operating within the Łukasiewicz Research Network – Institute of Electrical Engineering. Our team brings extensive expertise in heterogeneous catalysis, electrochemistry, materials engineering, analytical chemistry, and chemical engineering.



Prototyping



Ultrasonic Spray Coating

