## EFFICIENT TECHNOLOGIES

**With know-how and a pioneering spirit**

We are already able to apply our wide-ranging expertise in the dismantling, separation, sampling and analysis of materials containing precious metals directly to fuel cells.

In particular, CCMs with a high platinum content are especially well suited to sustainable recycling. Alongside the valuable precious metals, however, the other recyclable materials such as Nafion, graphite, titanium, copper and steel, as well as plastics or rubber, must be precisely separated from each other, so that they can be returned into economic circulation.


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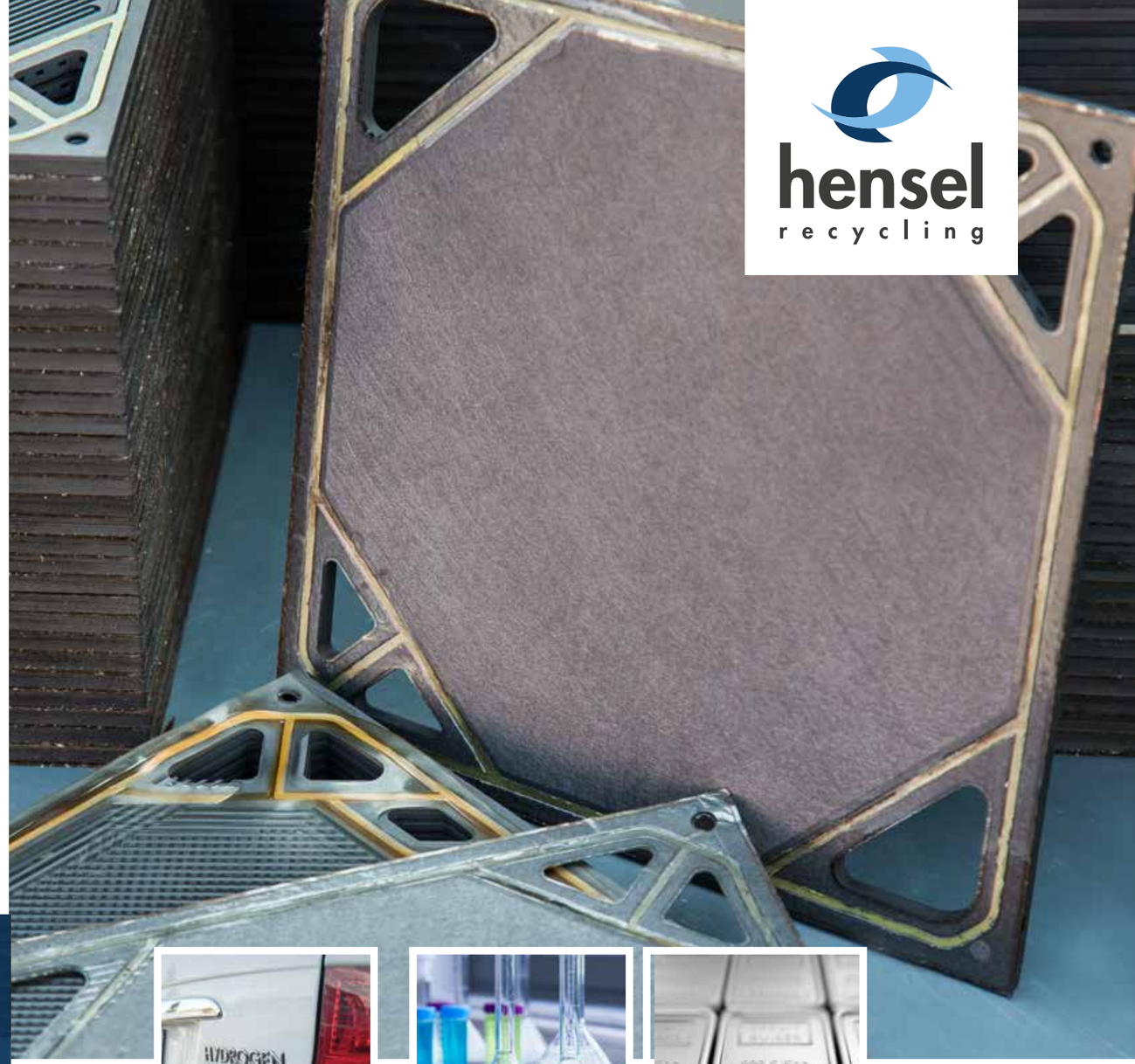

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# RAW MATERIAL RECOVERY
# FROM FUEL CELLS

# PASSIONATE ABOUT PRECIOUS METAL RECYCLING

**Hensel Recycling - Your first choice.**

For more than 20 years, we have been one of the leading key-players in the field of precious metals recycling. Whether it's catalytic convertors, electronic waste or other materials containing precious metals, you've come to the right place. More than 200 employees spend their day ensuring sustainable recovery of valuable resources. Our day-to-day work is characterised by long-term partnerships, personal support and the highest precision when processing your materials.

The extraction of raw materials from secondary sources continues to grow in importance, as it is significantly more environmentally friendly than mining output. With personal commitment, professional methods and precise, transparent processes, we make an important contribution to the sustainable conservation of resources.

# FUTURE-ORIENTED SOLUTIONS

**Sustainable recovery of valuable raw materials**

The future belongs to the hydrogen technology - reason enough for us to confront the challenges involved today. The joint project BEST4Hy*, which Hensel Recycling is participating in, was created for this purpose within the EU's research and innovation program HORIZON 2020. The project partners are researching recycling solutions for PEMFCs and SOFCs. The group includes manufacturers, recycling specialists and research institutes, as well as universities, from a total of five EU countries.

The aim of the project is ideally to recover 100% of all materials from used fuel cells, in a quality and purity which allow them to be reused for the production of a new product. Various processes for the analysis, dismantling, separation of composite materials and concentration of the metals are tested for their feasibility, recovery rate and efficiency.

**Explanatory video**
**Recycling of fuel cells**

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