

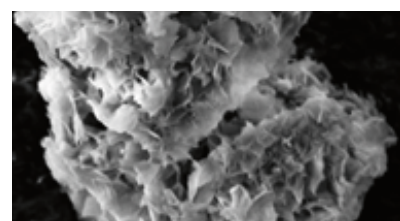
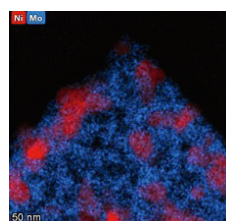
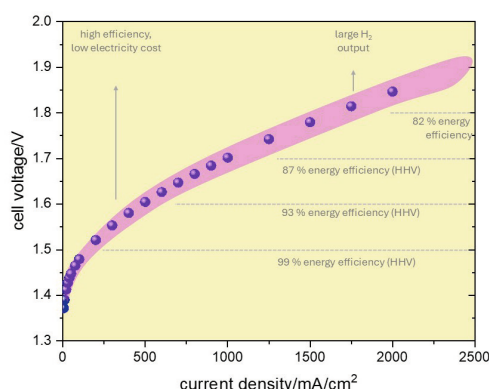


Hydrogen Technologies

Anion Exchange Membrane Electrolysis (AEMEL) at Fraunhofer IFAM

Your Path Towards Sustainable and Economically Viable Hydrogen Production

At Fraunhofer IFAM, we are pioneering cost-effective hydrogen production through advanced electrolysis technologies. Let's combine your project with our expertise. We are advancing **electrolysis technologies to produce green hydrogen**, with a strong focus on reducing the key cost drivers. At the core of these activities are **non-PGM electrocatalysts** on highly **porous 3-dimensional PTLs** or coated on anion exchange membranes. You can rely on an interdisciplinary team of chemists, engineers, and analysts with more than **15 years of experience** in energy materials and electrochemistry.



- Research and development of active and **durable materials** as well as **manufacturing technologies** to enhance the efficiency of electrolyzers,
- **Electrochemical characterization and testing** under both atmospheric and pressurized conditions,
- In-depth **data analysis**, including the use of reference electrodes, deconvolution of anodic and cathodic contributions, HTO/OTH analysis, and noise analysis,
- Focus on **non-PGM electrodes and electrocatalysts**.

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