

HYTECHBASIS



Project WIVA HYTECHBASIS

HYTECHBASIS 4 WIVA aims to reach a higher level of industrialization by developing next generation PEM electrolysis stacks and systems as well as next generation PEM fuel cell systems.

Project Partners

MIBA

- New sinter technologies for bipolar plates and porous transport layer

Heraeus

- Improved catalysts for electrolysis stacks

HyCentA

- Physical simulations, system development and testing

Energieinstitut an der JKU

- Technoeconomic and macroeconomic simulations

Fronius

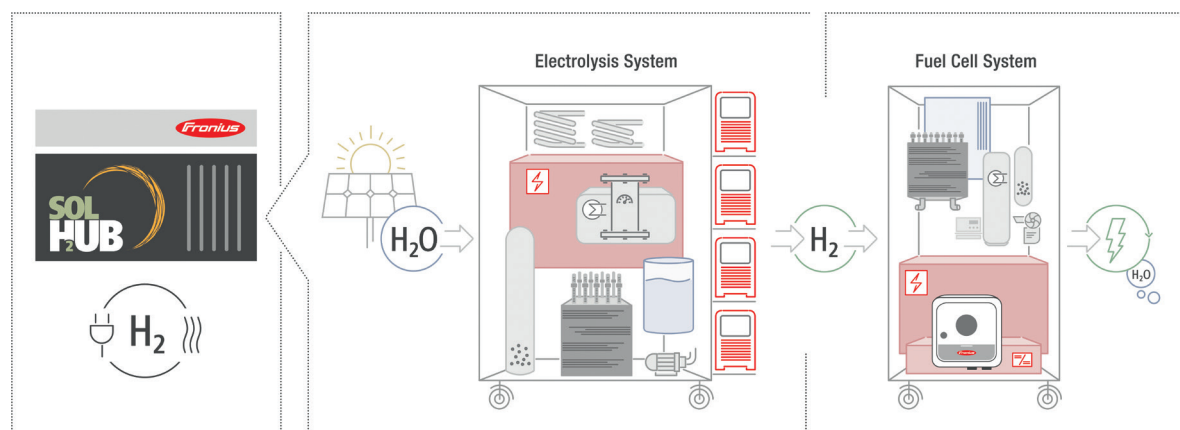
- Construction, build-up and testing of electrolysis and fuel cell systems

WIVA P&G

- Cluster organization and dissemination of results

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(Steiner.Johannes@fronius.com)

Project period: 4/2019 – 3/2022

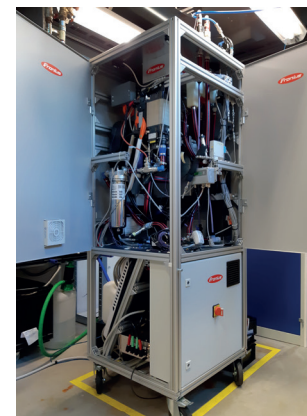


CURRENT STATUS

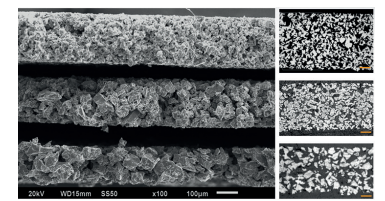
Prototypes assembled and currently being tested.



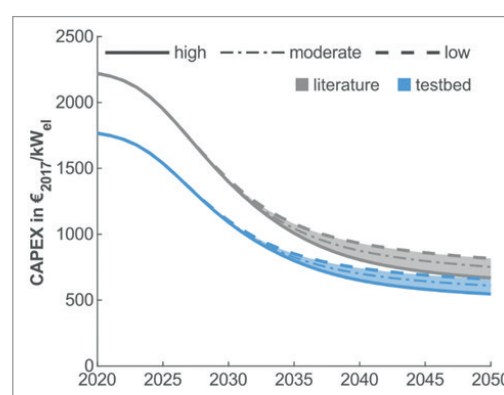
Electrolysis System



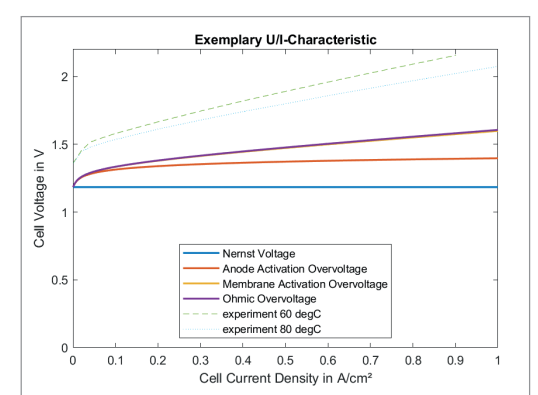
Fuel Cell System



Sintered porous transport layers manufactured and tested.



Learning curve model to show cost reduction potential adopted.



Electrolysis simulation model built and validated.