



OUR PURPOSE

**We drive  
innovation to  
help the world  
evolve.**

**FEV**

# We are the innovation powerhouse for mobility and energy



**7,000**

Employees globally

**>45**

Subsidiaries on six continents

**>45**

Years of experience

## Topics



### Strategy & Sustainability

Corporate strategies for energy players

Sustainability strategies



### Technology

Electrolysis  
BESS  
Carbon capture  
Wind power  
Charging equipment



### Integrated energy & ecosystems

Industrial areas  
Harbors  
Mines  
Buildings  
Cities



### Sustainable Fuels

Hydrogen  
Biofuels  
E-fuels

## Services

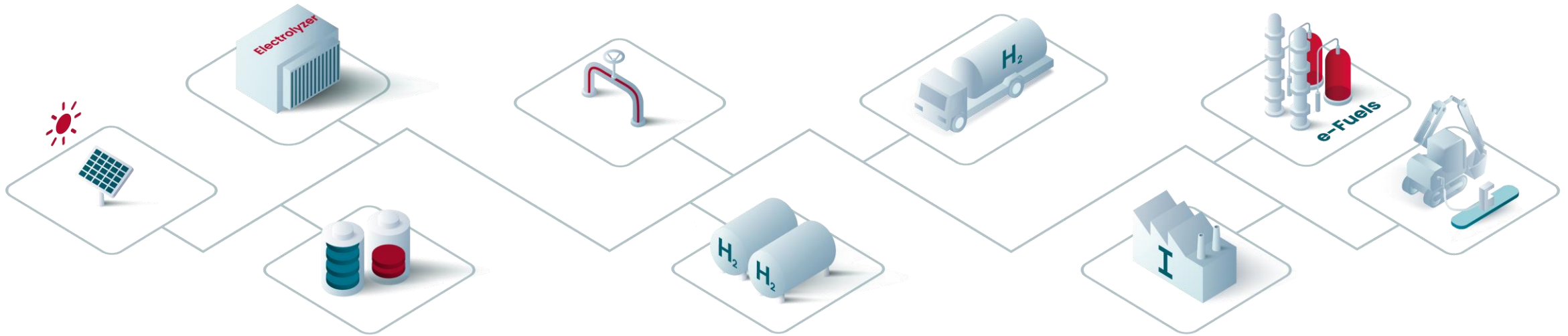
### Consulting

- › Market & tech. intelligence
- › Feasibility studies
- › Business planning
- › Due diligence
- › Strategic costing
- › Risk management

### Engineering

- › Product engineering
- › Simulation
- › Validation and testing
- › FEED engineering
- › Benchmarking
- › Prototyping

# There are multiple challenges around building an H<sub>2</sub> ecosystem – Important to include the whole process and value chain for optimization



How to achieve a  
green energy  
ecosystem?



Strategy &  
concept

How to  
operate  
profitably?



Cost analysis &  
business plan

What  
technologies  
fit best?



Technology  
concept

Standard or  
tailor-made  
solution?



Engineering &  
design

How to combine  
all components  
efficiently?



Technology  
integration

How to transform  
the offtake  
application?



Retrofit & new  
technologies

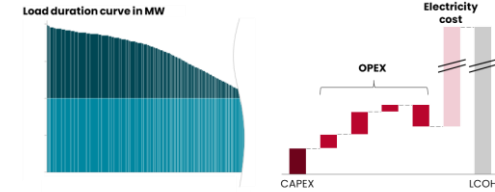


# Selected References

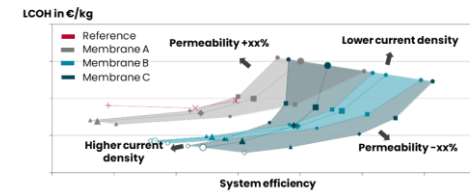
H<sub>2</sub> & ELECTROLYSIS DEVELOPMENT



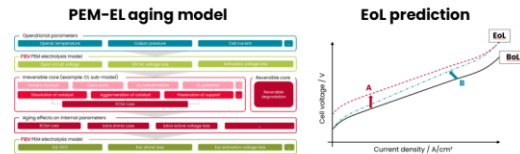
Turn-key system development for solid-oxide-electrolysis



Sensitivity analyses



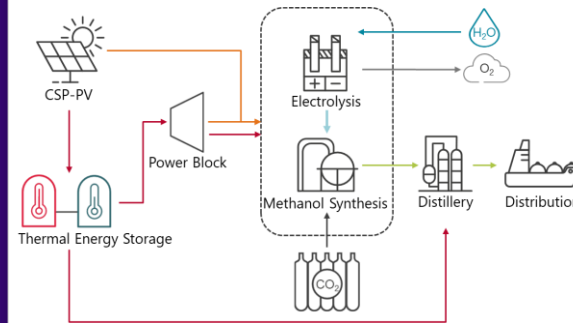
Durability and performance study of novel membrane materials



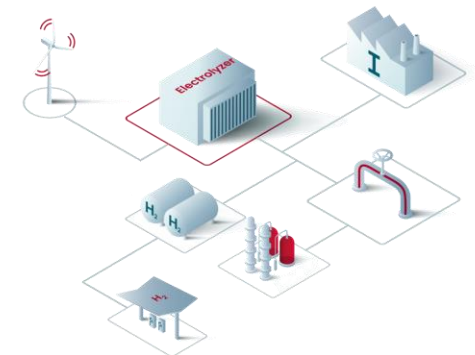
Modeling single degradation stressors and mechanisms



Degradation study of PEM electrolyzer for various boundaries



Feasibility study for off-grid production of 100.000 t/a green methanol in Tunisia



Technical and commercial due diligence for a large-scale hydrogen project in EU

# Our Ecosystem

AS AN INTEGRAL PART OF OUR INDUSTRIES' ECOSYSTEMS, WE SEAMLESSLY INTEGRATE DIVERSE CAPABILITIES TO DRIVE INNOVATION

