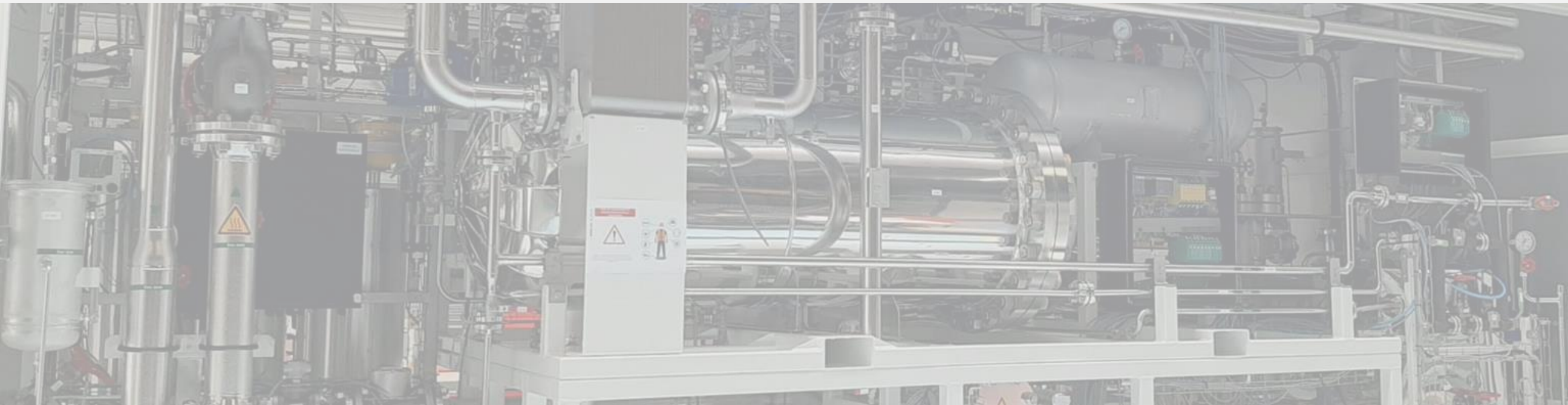


# AREVA H<sub>2</sub>Gen

A PEM Electrolyser Manufacturer

dedicated to the energy transition and green hydrogen economy

We make it happen



# Flexible PEM Electrolysis

- 200% overload capacity
- Ramp up/down within seconds
- Multi-Use: hydrogen and services for power grids
- Multi-Revenue: constant H<sub>2</sub> sales plus income from FCR-marketing



METHQUEST

Gefördert durch:



aufgrund eines Beschlusses  
des Deutschen Bundestages



Flexible operation from  
0.3 to 2.3 MW  
within seconds



Participation FCR market  
→ 2<sup>nd</sup> revenue stream



Maximum additional costs  
of 20% compared to the  
standard system



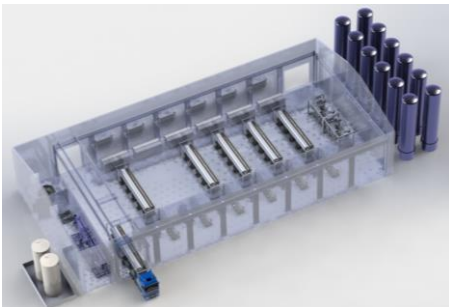
Optimization and  
construction of  
200% overload-capable  
PEM stacks and BoP



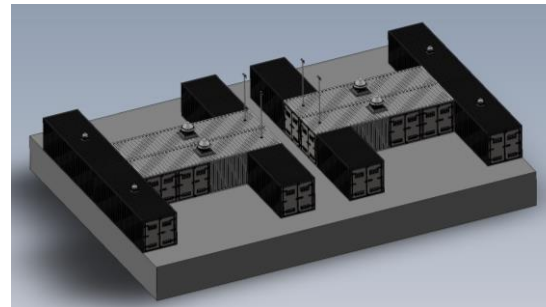
# AREVA H<sub>2</sub>Gen Products

We offer **standardized products**:

- 10 to 200 Nm<sup>3</sup>/h Hydrogen at 30bars and high purity
- Turn-key solution
- PEM Stacks from AREVA H<sub>2</sub>Gen



November 2020

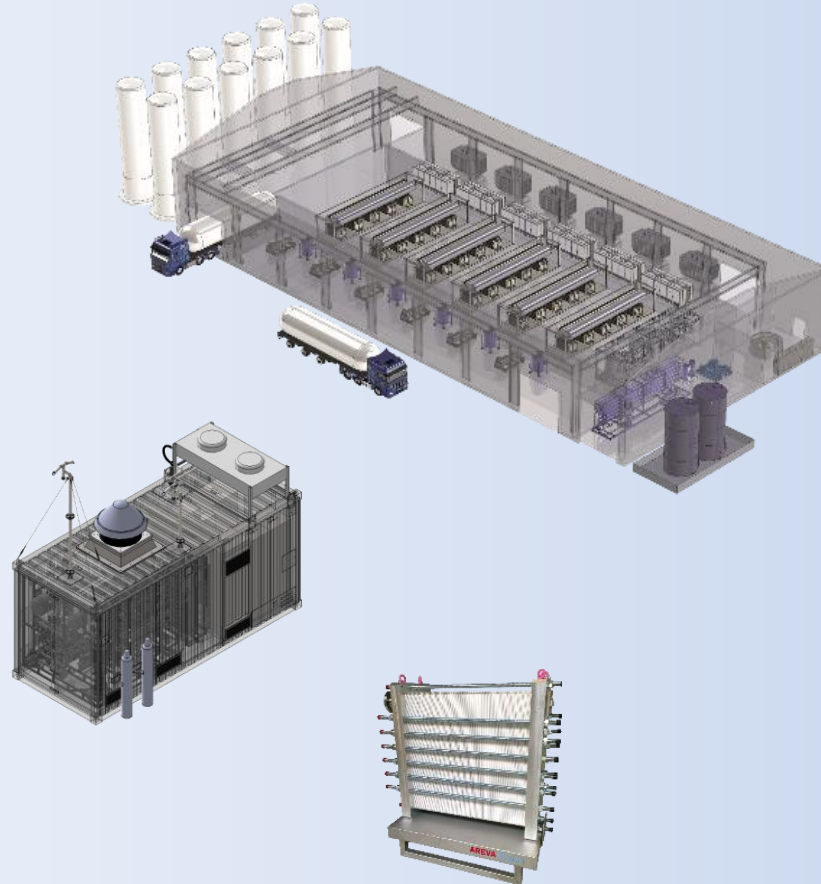
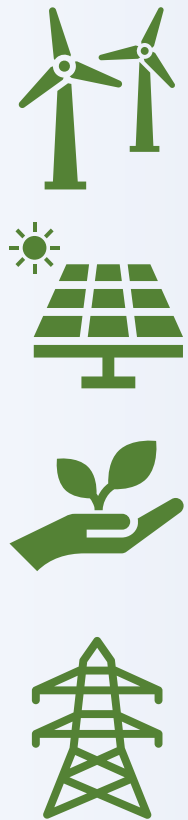


Hydrogen from AREVA H<sub>2</sub>Gen Electrolysers

Customized Projects for  
industrial **multi-MW** applications

# Our technology is used at the heart of the conversion chain

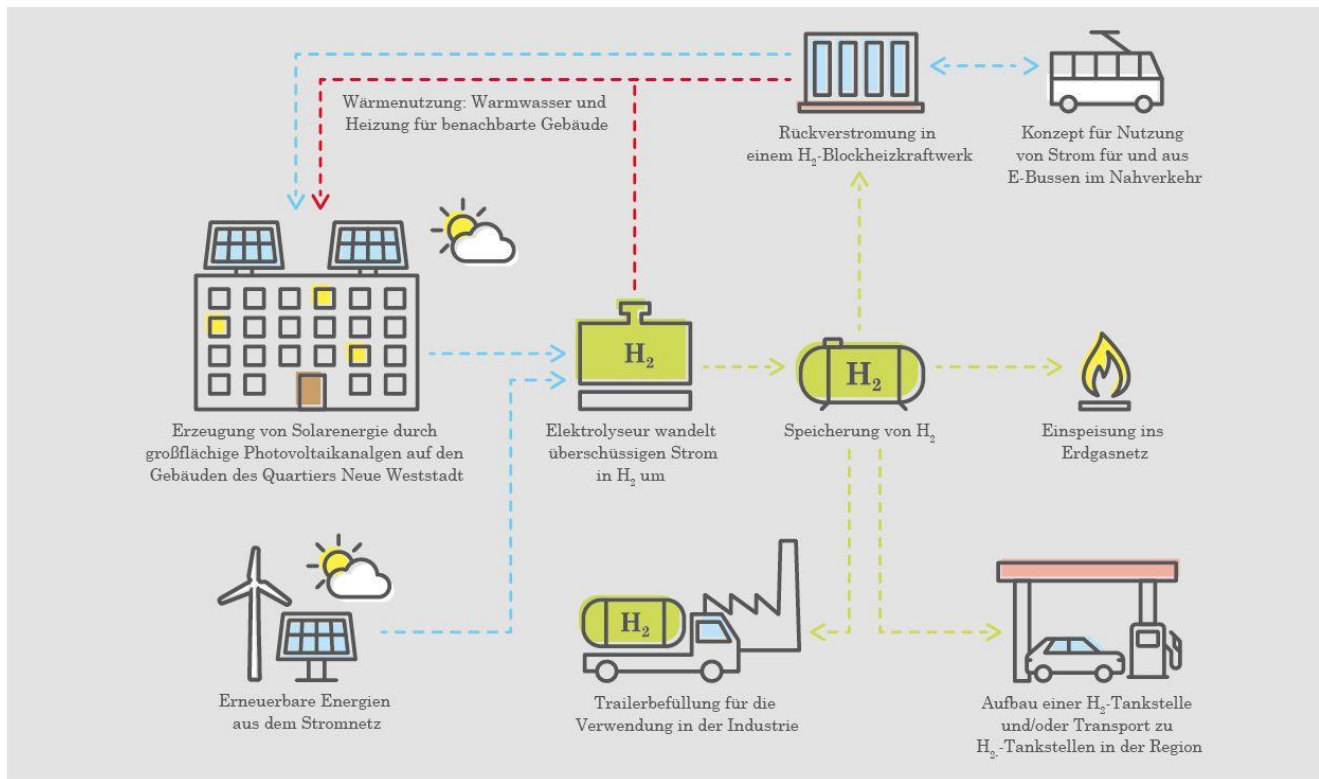
**AREVA** H<sub>2</sub>Gen



-  Aviation
-  Maritim
-  Cars & Busses
-  Logistics
-  Residential
-  Refineries
-  Chemicals
-  Industry



# RESIDENTIAL APPLICATIONS



[https://www.energie-bau.at/images/Weststadt\\_Linda\\_Weidener\\_Projekttr%C3%A4ger\\_J%C3%BClich.jpg](https://www.energie-bau.at/images/Weststadt_Linda_Weidener_Projekttr%C3%A4ger_J%C3%BClich.jpg)

## Quaree100

- Reliable and sustainable energy supply for a neighbourhood based on renewable energies
- Electrolysis in the neighbourhood
- Heat extraction

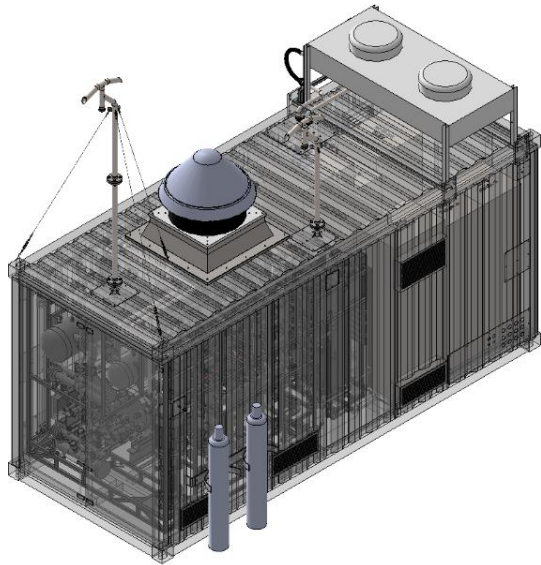


Bundesministerium  
für Bildung  
und Forschung

Bundesministerium  
für Wirtschaft  
und Energie



# Hydrogen Refueling Station (HRS)



# The added value of AREVA H<sub>2</sub>Gen PEM Technology

- Cumulated 30 years of relevant experience in the field of PEM Technology
- Coordinated system design by AREVA H<sub>2</sub>Gen, everything from a single source
- PEM Technology that offers flexibility, rapid response, overload capacity and a very small footprint
- We offer extremely efficient and very low aging stacks
- Stainless steel for long living systems
- Pressurised hydrogen and oxygen
- Highest safety standard: Certified by industrial gases companies

# What we look for



- we look for local partners to support our market entry  
→ contact us!



- Target Projects and Customers
  - Operators of HRS that need electrolyzers for on-site production
  - Vehicle fleet operators
  - Operators of renewable energy systems
  - Development of green city districts
  - Utilities
  - Partners & Pioneers for Hydrogen Projects and energy storage
  - Demonstration projects





**Contact:**  
Emily Kratzer  
Sales & Project management  
[emily.kratzer@arevah2gen.com](mailto:emily.kratzer@arevah2gen.com)

**Merci & Vielen Dank**

**AREVA H<sub>2</sub>Gen**

8 avenue du Parana - 91940 Les Ulis-France  
Tel. +33 1 81 87 12 40  
[contact@arevah2gen.com](mailto:contact@arevah2gen.com) - [www.arevah2gen.com](http://www.arevah2gen.com)

Eupener Straße 165 - 50933 Köln - Germany  
Tel. +49 221 291 907 30 - Fax. +49 221 291 907 39  
[info@arevah2gen.com](mailto:info@arevah2gen.com) - [www.arevah2gen.com](http://www.arevah2gen.com)

