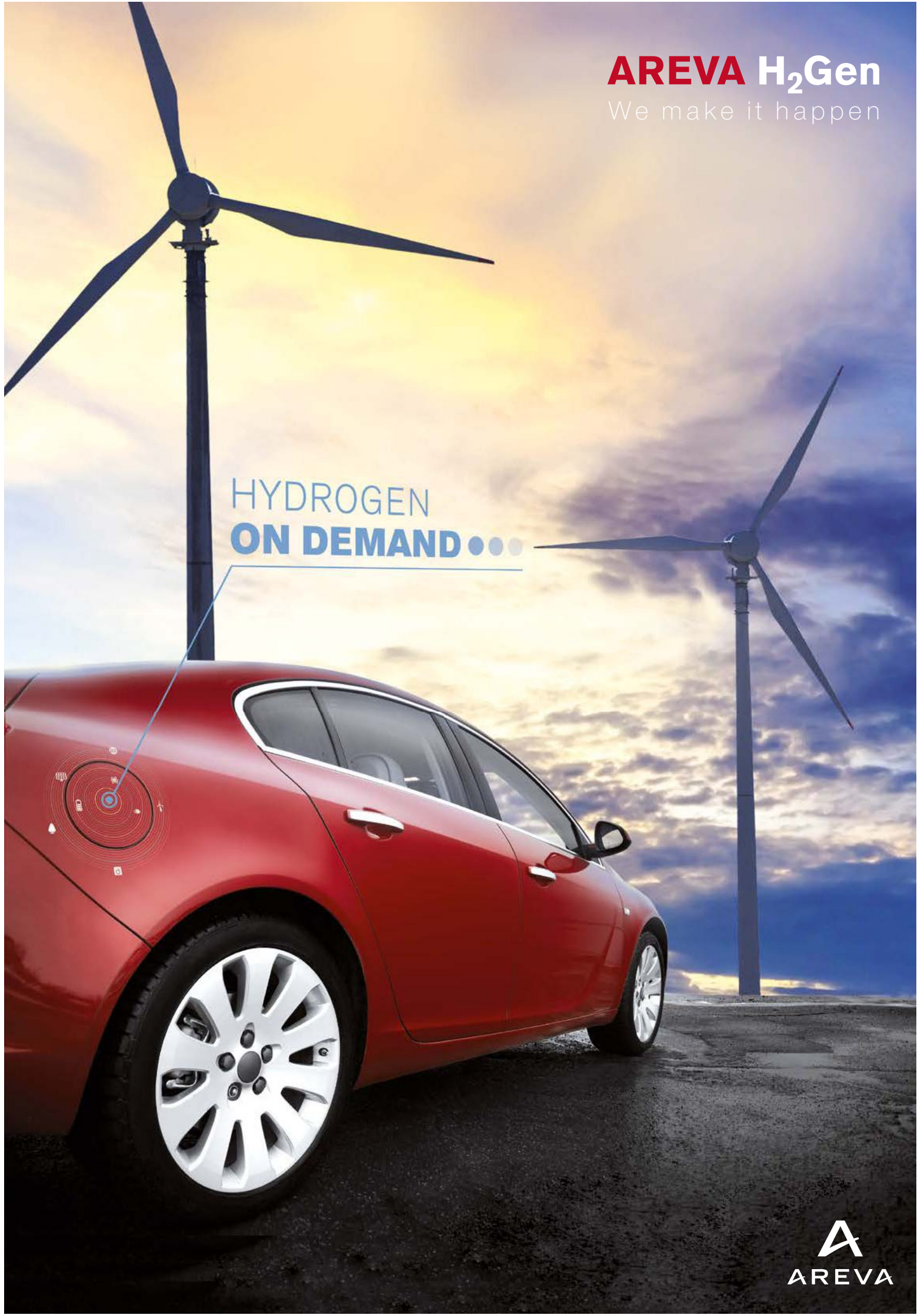


AREVA H₂Gen

We make it happen

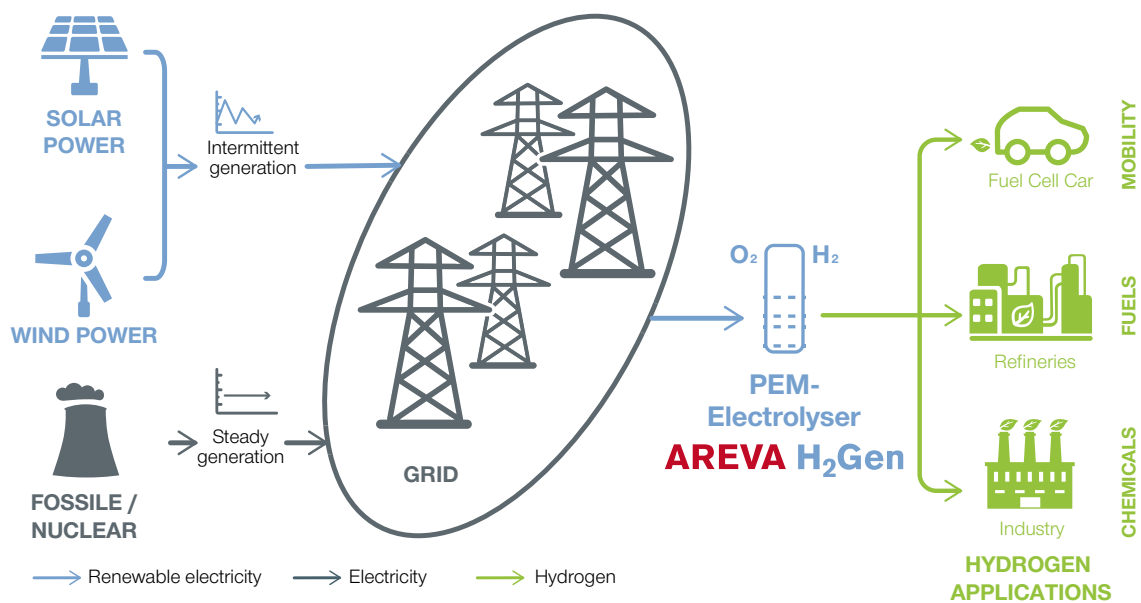
HYDROGEN
ON DEMAND ●●●



A
AREVA

H₂ ENERGY

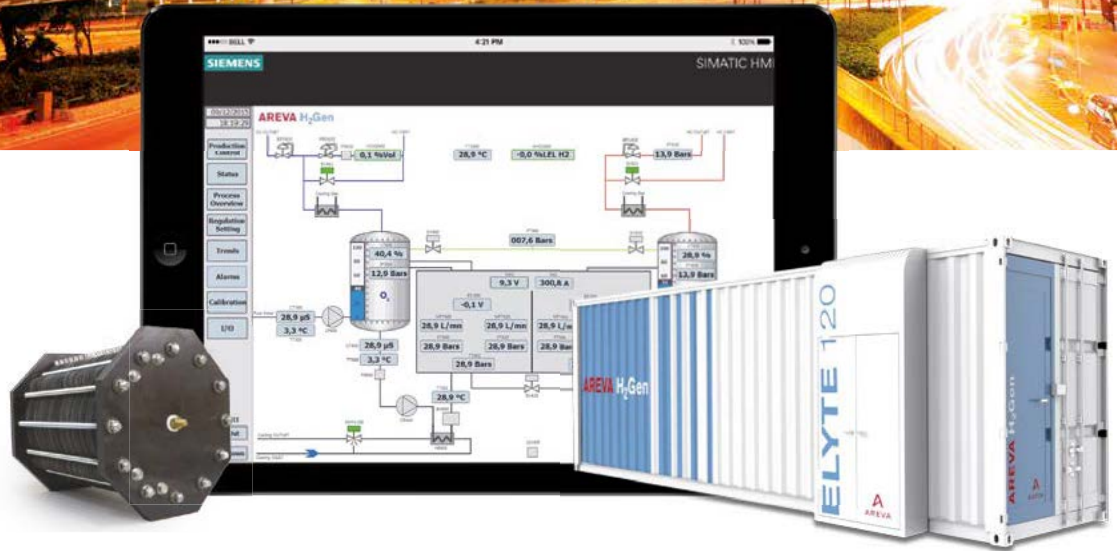
HYDROGEN DELIVERS THE ENERGY TRANSITION:



AREVA H₂GEN OFFERS A WIDE RANGE OF ON-SITE HYDROGEN GENERATORS DEDICATED TO:

- Fuelling Stations
 - Capacities from 11 to 260kg/d of hydrogen demand
 - Both hydrogen pressures of 350 and 700 bar for buses and cars
- Energy backup for isolated sites
- Renewable hydrogen for multi-MW projects

PRODUCTS



PEM ELECTROLYSER

AREVA H₂GEN HYDROGEN GENERATORS ARE DESIGNED TO LAST OVER 20 YEARS.

Prioritising reliability and cost-efficiency, our electrolyzers comprise modular architecture, that can be implemented as indoor or outdoor versions, based on 5, 10, 15 and 30 Nm³/h stacks and standard industrial components chosen for their proven industrial reliability.

All-in-one platform concept
 Reliable, easy, clean and safe on-site hydrogen generation
 Our standard product line systems produce between 5 and 120Nm³/hr

••• ADVANTAGES •••



SAFETY
 Environmentally friendly
 ATEX certified components



EFFICIENCY
 Stack over 80%
 Full system over 70%



RELIABILITY
 On 24/7 basis
 20-year lifetime



SIMPLICITY
 KOH Free
 Cost efficient



••• BENEFITS •••

- Flexible Use
- Plug & Play installation
- Cost efficient

INNOVATIVE HYDROGEN STORAGE SOLUTIONS

••• ADVANTAGES •••



EASY TRANSPORT



HIGH DENSITY STORAGE



LONG-TERM STORAGE
 No diffusion losses

Find out how to store 2 MWh of hydrogen in 1 m³ of a Liquid Organic Hydrogen Carriers (LOHC)



ENGINEERING FOCUSED ON THE SYSTEM INTEGRATION OF HYDROGEN SOLUTIONS



ENGINEERING OF INTEGRATED HYDROGEN SYSTEMS

With more than 25 years of experience in the design and development of PEM electrolyzers, AREVA H₂Gen provides expert engineering resources for safe, cost effective, reliable and efficient hydrogen infrastructures.

Myrte Platform - Corsica - France

CONSULTING & PROJECT SUPPORT

FEASIBILITY STUDIES, CONTRACT MANAGEMENT

We share our experience in the development of leading hydrogen technologies, to support R&D strategies and help define project equipment.



PROJECT MANAGEMENT

ON-SITE CONSTRUCTION MANAGEMENT AND PROJECT COORDINATION

Our teams can provide customers with support during construction and assembly phase. They coordinate and manage the various actors and suppliers involved in hydrogen projects.



ABOUT US

AREVA H₂GEN IS A MANUFACTURER OF HYDROGEN GENERATORS USING WATER ELECTROLYSIS, BASED ON PROTON EXCHANGE MEMBRANE (PEM) TECHNOLOGY.

AREVA H₂GEN has a pool of knowledge and expertise that is unique in Europe, the culmination of 25 years of research on PEM technology.

We offer a wide range of hydrogen generators that not only include core equipment but all auxiliaries in a single integrated platform.

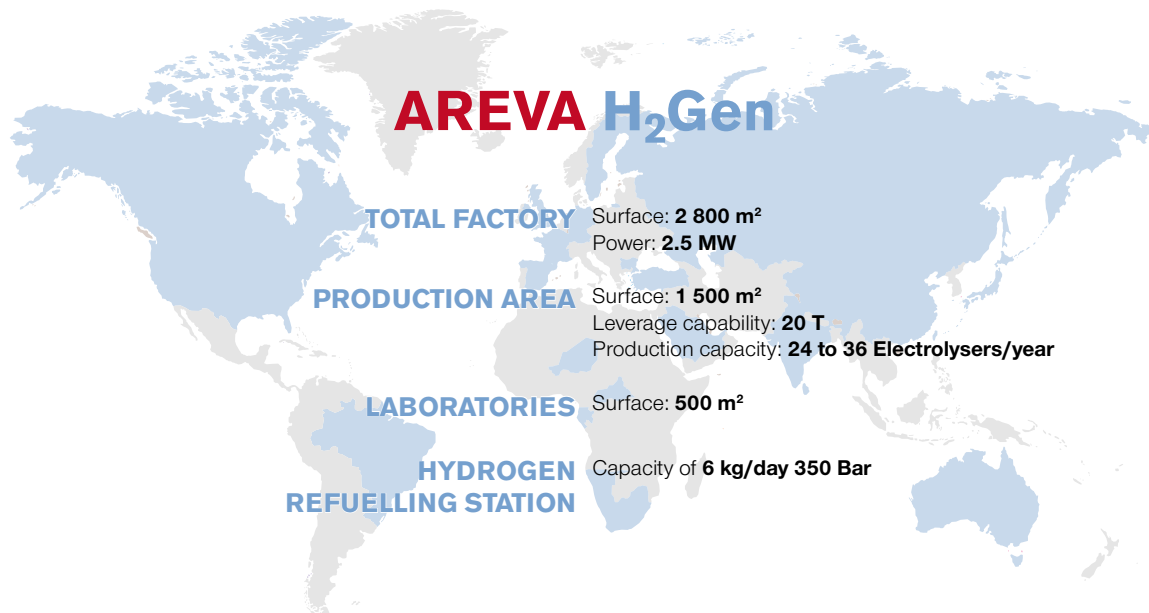
Our equipment meets the highest European and international safety standards. We are also an approved supplier of leading industrial gas distribution companies.

Dedicated to providing the market with cutting edge industrial applications, AREVA H₂Gen is also a credible partner for its customers in their multi MW Projects to meet hydrogen-for-mobility and renewable energy storage challenges.

AREVA is a world leader in nuclear power. AREVA also invests in renewable energies to develop, via partnerships, technology rich solutions, through the complementary nature of nuclear and renewables.

AROUND THE WORLD

AREVA H₂GEN HAS A WORLDWIDE NETWORK OF PARTNERS AND SUBSIDIARIES



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