

Building-up a Sustainable Hydrogen Supply Chain: Securing Materials Supplies in Europe

October 25th, 2022

European Hydrogen Week 2022

B2B Forum

Our Businesses



Market Leader in safe production and manufacture of performance chemicals.

Combining leading products, applications expertise, and market-shaping chemistry.



Market Leader in titanium dioxide (TiO₂) production



Market Leader in manufacturing of thermal management and specialized solutions



Market Leader in manufacturing of advanced performance materials



Market Leader in solid sodium cyanide production across the Americas



Our Advanced Performance Materials Help Solve Society's Most Significant Challenges

With a combination of properties, no other material has

Unsurpassed protection against ionic and metallic contamination, even under the harshest conditions

Exceptional performance and durability across temperature and pressure extremes, for safer, more efficient transportation

Enabling ultra-low-loss and high-speed data transmission, even at higher frequencies and temperature

Excellent chemical, thermal, and mechanical stability, plus tunable conductivity and low permeability – enabling the hydrogen economy

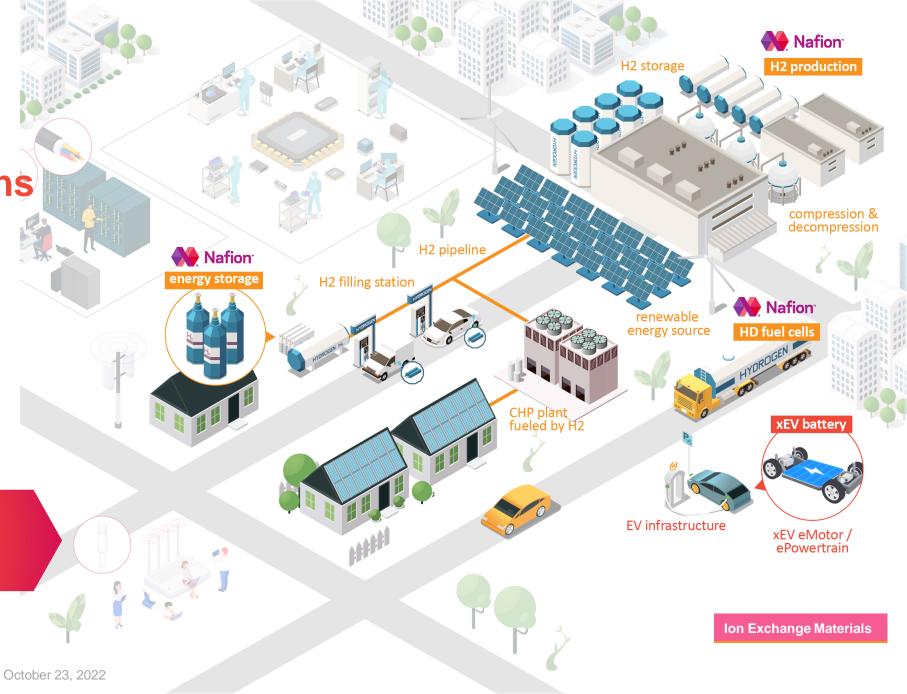


Our solutions accelerate the reduction of carbon emissions

CLEAN ENERGY

Applications that accelerate the reduction of carbon emission through the use of high-performance materials.

Hydrogen Economy
Electric Vehicles (xEV)



Chemours is a major manufacturer of lon exchange materials for Hydrogen Fuel Cells and Water Electrolyzers

Key to scaling renewable hydrogen

Commitment to invest in the full potential of renewable hydrogen through innovation



Renewable hydrogen production

In water electrolyzers, our Nafion™ membranes enable renewable electricity to be used to create clean renewable hydrogen.

Renewable hydrogen is an efficient energy carrier and fuel. It can be stored short. medium and long term. When needed, renewable hydrogen can be efficiently converted back to electricity through fuel cells.

Emission-free fuel for heavy-duty industries

The Nafion™ membrane is at the center of renewable hydrogen production. The hydrogen energy is emission-free and, if produced on a mass scale, would help to power key domestic capabilities, such as:



Providing backup power for hospitals, buildings, and industry



Powering fuel cells in vehicles, trains, ships, and planes





Thank you!

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