

# **International Partnership for Hydrogen and Fuel Cells in the Economy (IPHE)**

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## International Partnership for Hydrogen and Fuel Cells in the Economy

# About International Partnership for Hydrogen and Fuel Cells in the Economy (IPHE)

- IPHE, established in 2003, is an **international inter-governmental** partnership currently consisting of **23 member countries and the European Commission**.
  - **Objective:** To **facilitate and accelerate the transition to clean and efficient energy** and mobility systems using **fuel cells** and hydrogen technologies.
  - IPHE serves as a mechanism to **organize and implement effective**, efficient, and focused **international research**, development, demonstration, and commercial utilization activities **related to hydrogen and fuel cell** technologies.
  - It also **provides a forum** for sharing information on policies and technology status, as well as on initiatives, codes, and standards to accelerate the cost-effective transition to the use of fuel cells and hydrogen in the economy.
  - The IPHE also informs broad stakeholder groups, including policymakers and the public, on the benefits of, and challenges to, establishing widespread commercial hydrogen and fuel cell technologies in the economy.
  - **Members:** **Australia**, Canada, European Commission, **India**, Netherlands, Switzerland, Austria, Chile, France, Italy, Norway, **UAE**, Belgium, **China**, **Germany**, **Japan**, **South Africa**, **United Kingdom**, **Brazil**, Costa Rica, Iceland, South Korea, Singapore, and the **United States**.
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## Q1: What is a Fuel Cell?

A fuel cell is a device that generates electricity by a chemical reaction. Fuel cells can be used in a wide range of applications, providing power for applications across multiple sectors, including transportation, industrial/commercial/residential buildings, and long-term energy storage for the grid in reversible systems.

**Source:** **India hosts 41st IPHE meeting, focuses on accelerating hydrogen economy**

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Source: <https://vajiramandravi.com/current-affairs/international-partnership-for-hydrogen-and-fuel-cells-in-economy-iphe/>

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