



## IPHE Country Update Jun 2025 – Nov 2025:

### Singapore

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#### 1. New Initiatives, Programs, and Policies on Hydrogen and Fuel Cells

Airline passengers departing from Singapore will have to pay a **sustainable aviation fuel levy** ranging from S\$1 to S\$41.90 (US\$0.77 – US\$32.10) per ticket from 1 Apr 2026. The levy will apply to tickets sold from 1 Apr 2026, for flights departing from Singapore on or after 1 Oct 2026.

#### 2. Hydrogen and Fuel Cell R&D Update

Singapore's Agency for Science, Technology and Research (A\*STAR) has launched a S\$62.5m (~US\$48.0m) **low-carbon technology translational testbed (LCT3)** on Jurong Island for companies and startups to use the cost-effective, modular testbed to scale up emerging technologies for commercial development.

Singapore will be launching its **Research, Innovation and Enterprise (RIE) 2030** Strategy next year, significantly growing R&D commitments to power and industry decarbonisation, with a focus on piloting and deploying low-carbon technologies.

As part of the RIE2030 Strategy, Singapore is considering providing dedicated national research funding that focuses on hydrogen R&D, beyond the current approach of project-level funding. Dedicated funding to a research institute specialising in hydrogen R&D would help to build up a core pool of hydrogen research experts and allow shared use of equipment, thereby advancing hydrogen-related innovations.

#### 3. Demonstration, Deployments, and Workforce Developments Update

The preliminary front-end engineering and design (pre-FEED) studies for the **ammonia pathfinder project for power generation and maritime bunkering** has been completed. We have moved into the next phase of the project, where the consortium led by Keppel Ltd has been appointed to conduct FEED studies to develop an end-to-end ammonia solution on Jurong Island, Singapore, for power generation and bunkering.

Two **hydrogen-ready open cycle gas turbine (OCGT) generation units**, with a total capacity of 682 MW, were launched in October 2025.



**4. Events and Solicitations**

The [\*\*25<sup>th</sup> World Hydrogen Energy Conference \(WHEC\)\*\*](#) will be held in Singapore from 22 – 26 Jun 2026 at Marina Bay Sands, Singapore. WHEC is one of the leading international research-focused hydrogen events among rotational association conventions.

**5. Investments: Government and Collaborative Hydrogen and Fuel Cell Funding**

No update

**6. Regulations, Codes & Standards, and Safety Update**

No update