

JOGMEC's Initiatives for Low-Carbonization and Hydrogen

Dec 2024

Japan Organization for Metals and Energy Security

Japan's Hydrogen Policies

- Japan was the first country to formulate a national hydrogen strategy, in 2017, which was then revised in 2023.
- Declared “2050 carbon neutrality” goal in 2020.
- Hydrogen/ammonia were positioned as one of the priority areas in the Green Growth Strategy in 2020.
- Established the Green Innovation Fund of approximately ¥2 trillion* in 2021.
* ¥2 trillion = \$13billion (USD/JPY=150)
- Hydrogen/ammonia as key parts of the strategy under the Green Transformation Promotion Act in 2023.
- Enacted a new Hydrogen Society Promotion Act in 2024. (to be enforced this autumn).

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Enforced a new Hydrogen Society Promotion Act in 2024.

2017

• Basic Hydrogen Strategy

2020

• 2050 CN Declaration
• Green Growth Strategy

2021

• Green Innovation Fund
• Revised Strategic Energy Plan

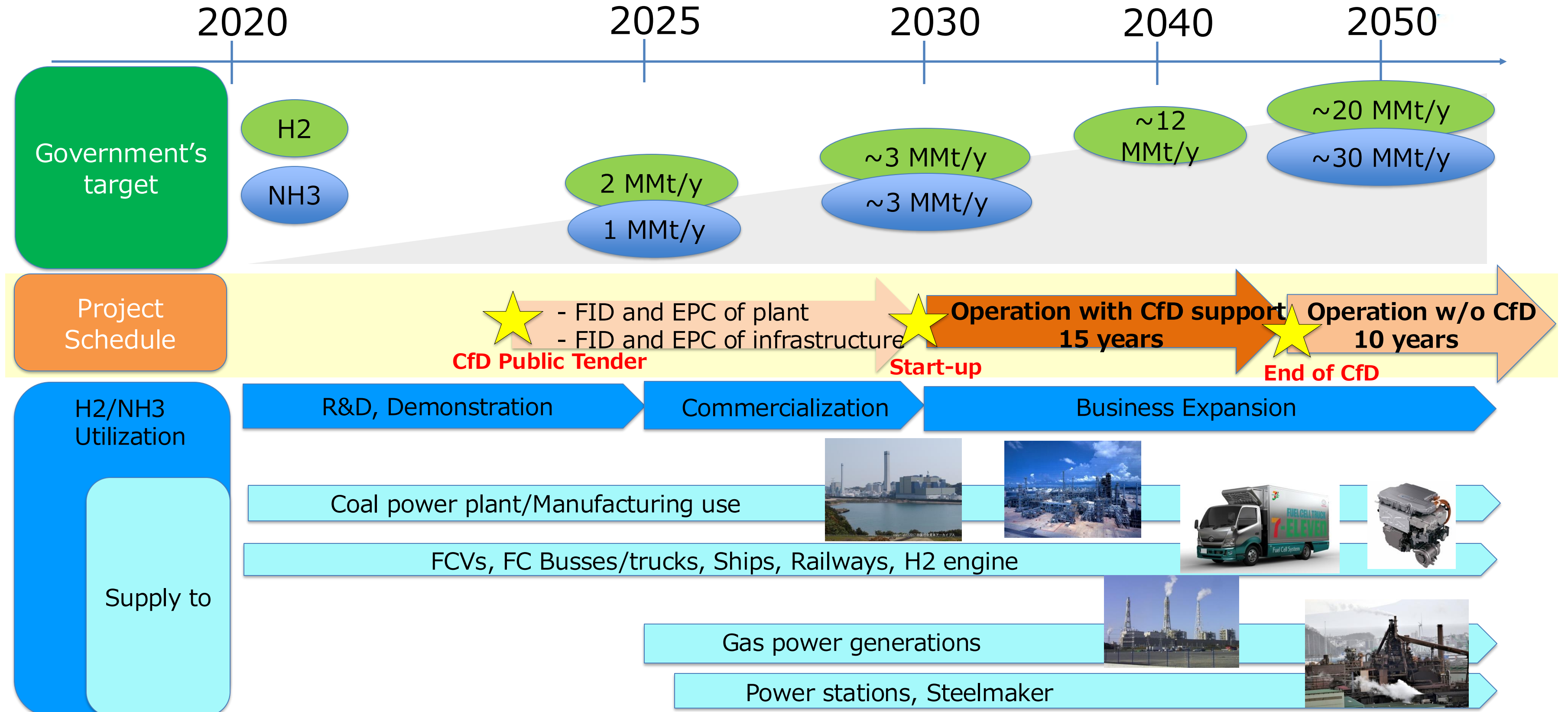
2023

• GX Promotion Act
• Basic Hydrogen Strategy update

2024

• Hydrogen Society Promotion Act

Summary for Target

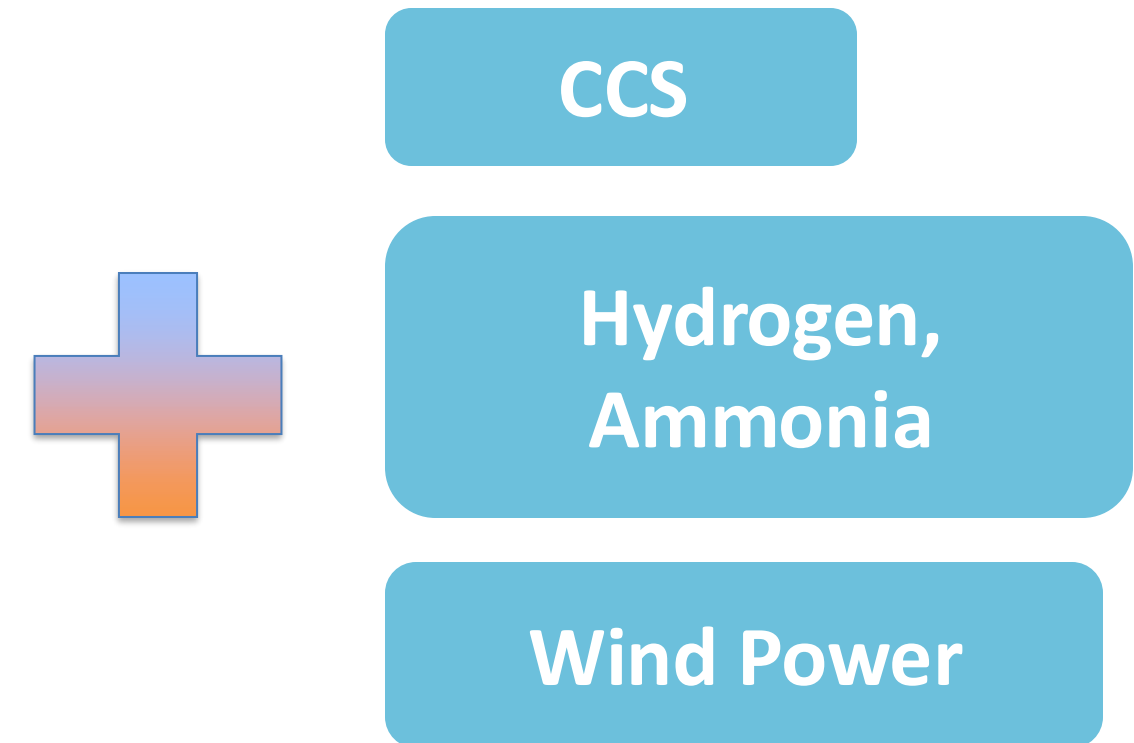


<https://motorcars.jp/honda-fcv-clarity-fuel-cell-start-the-lease-sales-from-march-20161101>
<https://www.shikoku-shakaishihon.com/archives/display/1647>
<https://japaneseclass.jp/dictionary/%E9%AB%98%E7%82%89>, <http://guide.jsae.or.jp/topics/277442/>

JOGMEC - Who We Are

Japan **O**rganization For **M**etals and **E**nergy **S**ecurity (**JOGMEC**) is a policy executing agency of the Japanese government to stable and affordable supply of natural resources

Area of Business



Area of Services

- | Financial Support |
|--|
| <ul style="list-style-type: none">- Equity Finance- Liability Guarantee- Grant- Subsidy, etc. |

- | Technology Support |
|--|
| <ul style="list-style-type: none">- Geological Survey- Technology Development- Marine Resources Development- Environmental Safety, etc. |

- | Intelligence Support |
|---|
| <ul style="list-style-type: none">- Resource Diplomacy- International Cooperation- Information Analysis, etc. |

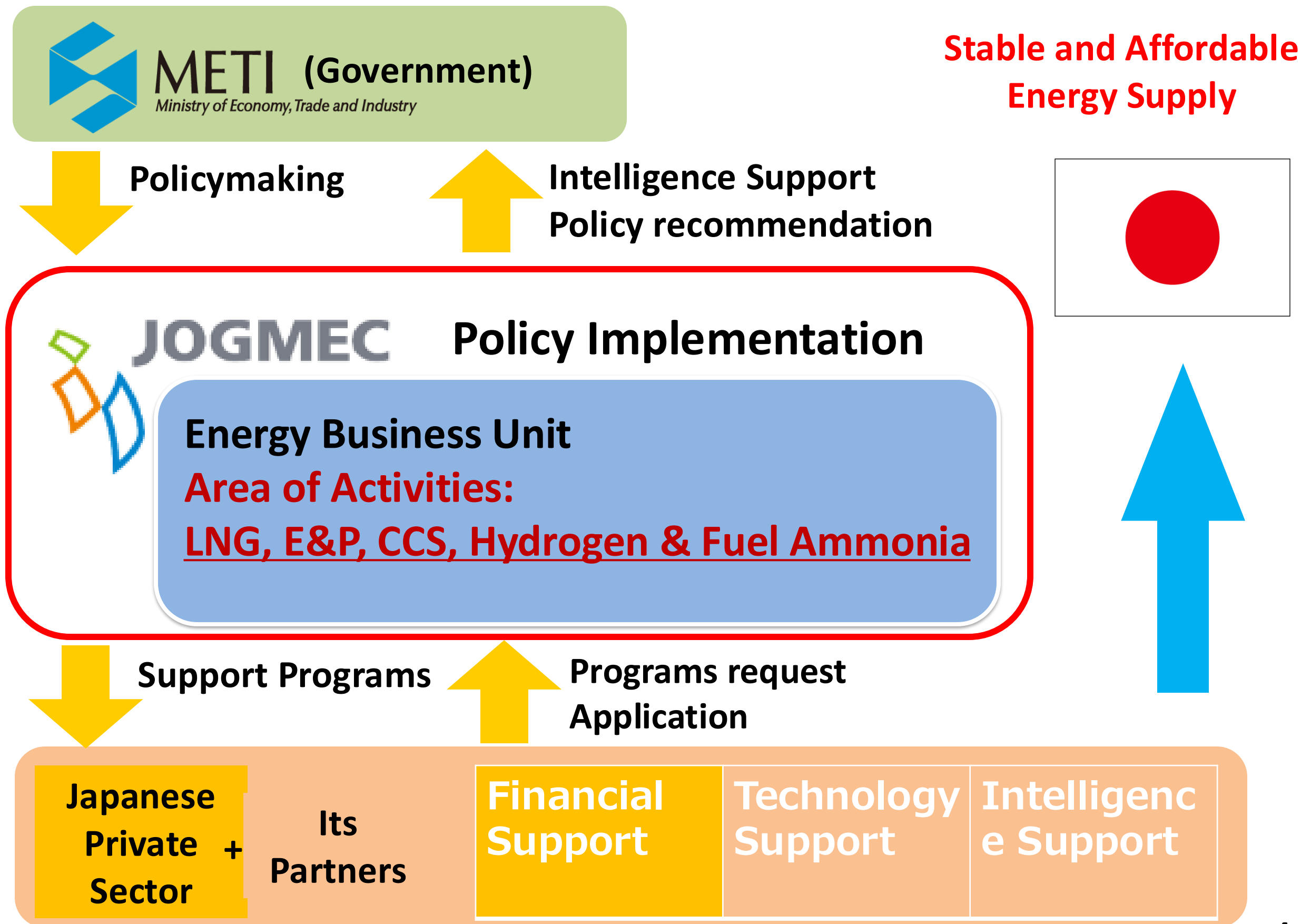
JOGMEC - Interface b/w Policy and Business -

JOGMEC, as the executing agency of Japan's energy policy led by METI

- Solving issues related to the energy trilemma by providing
 - financial support services
 - technical support services
 - intelligence support services

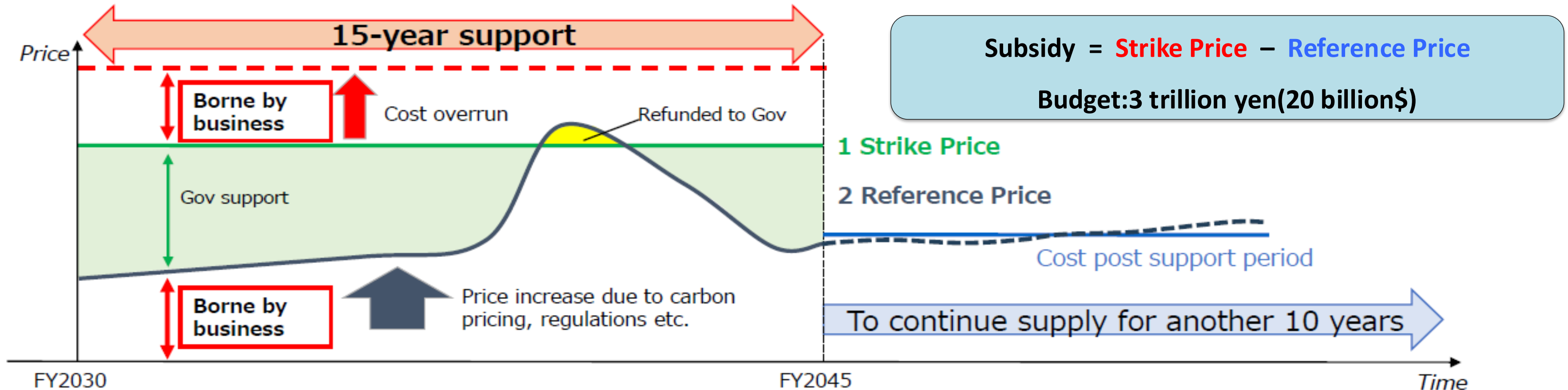
- Providing services not only to Japanese companies but also to overseas partner organizations

* S+3E (Safety Plus Three Es) :
 A concept that aims to simultaneously achieve safety (Safety) as a prerequisite, stable supply (Energy Security), economic efficiency (Economic Efficiency), and environmental compatibility (Environment).



Support Focusing on the Price Gap

- The government plans to provide a 15-year support to **suppliers** who aim to develop a **commercial-scale supply chain of low-carbon hydrogen and its derivatives** which meets Japan's primary energy policy. (i.e. S+3E: Safety + Energy Security, Economic Efficiency, Environment)



Key requirements

- Supply to hard-to-abate sectors, such as steel, chemical and transportation industries
- Start supply by FY2030 and must continue for another 10 years following the support period

* In the approval process, business plans are to be reviewed holistically from Japan's energy and GX policy perspectives

Thank you for your attention.

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