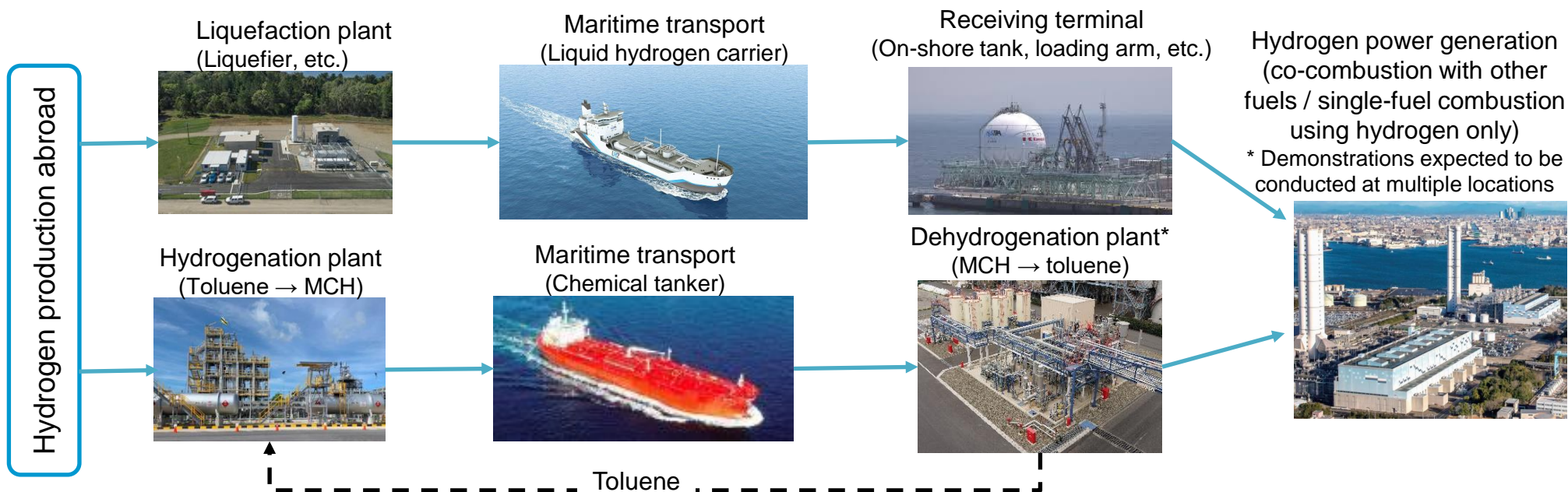


Large-scale Hydrogen Supply Chain Establishment Project

(Amount covered by the government: Up to 300 billion yen)

- In order to realize a hydrogen-based society, it is necessary to facilitate in a unified manner the **establishment of a large-scale hydrogen supply chain and creation of demand for hydrogen**.
- With the **development of an international hydrogen market expected** in the future, Japan is **leading the world technologically**. For example, it built the world's first liquid hydrogen carrier. **Japan is also leading the field in hydrogen power generation technology**, for which large-scale demand is expected.
- Therefore, the project will facilitate in a unified manner **(1) support for developing technologies such as enlarging the transportation facilities and conducting large-scale demonstrations of hydrogen transportation** using several hydrogen carriers (liquid hydrogen, MCH), and **(2) demonstrations regarding the combustion stability of hydrogen at actual hydrogen power plants**, in order to promote **establishing a virtuous cycle of creating large-scale hydrogen demand and reducing supply costs**. It aims to **achieve a hydrogen supply cost of 30 yen/Nm³ by 2030, and 20 yen/Nm³ or below by 2050 (the same level to fossil fuels)**.

Large-scale hydrogen supply chain for liquid hydrogen and methylcyclohexane (MCH) (image)



* Oil refineries and other existing facilities are expected to be utilized to the maximum

Source: Created by the Agency for Natural Resources and Energy based on the websites of HySTRA, AHEAD, etc.