

Re-design the economy and society using hydrogen towards the realization of carbon neutrality

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Quality & Environment Division

Environmental Management Department

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- Construction of H2 infrastructure, including hydrogen pipelines, throughout society for decarbonization
- Utilizing H2 fuel cells, "Local production for Local consumption" can be achieved in each region. This provides high resilience that prevents large-scale power outages in a disaster.
- Achieving zero CO2 emissions throughout the entire supply chain through the use of green H2







H2 Fuel Cell: Scalability with optimum output as distributed power



Existing Project : H2 Town at Tokyo2020 Olympic athlete village

- ◆ HARUMI FLAG : Japan's first full-scale hydrogen infrastructure (original Tokyo2020 Village area)
- Energy sector companies are responsible for assigned works and Panasonic provides hydrogen fuel cell technologies for the effectives use of hydrogen.
 HARUMI, Tokyo



Panasonic

New Project : RE100 Solution with Hydrogen-based plant

- Electricity load in H2 Fuel Cell factory (production area)* will be powered by PV + Storage battery + Hydrogen Fuel Cell generator (*Peak power : 680kW, Annual power consumption 2.7GWh)
- Start of Operation : April 2022 (Kusatsu plant in Shiga, close to Kyoto)

KUSATSU, near KYOTO



Panasonic