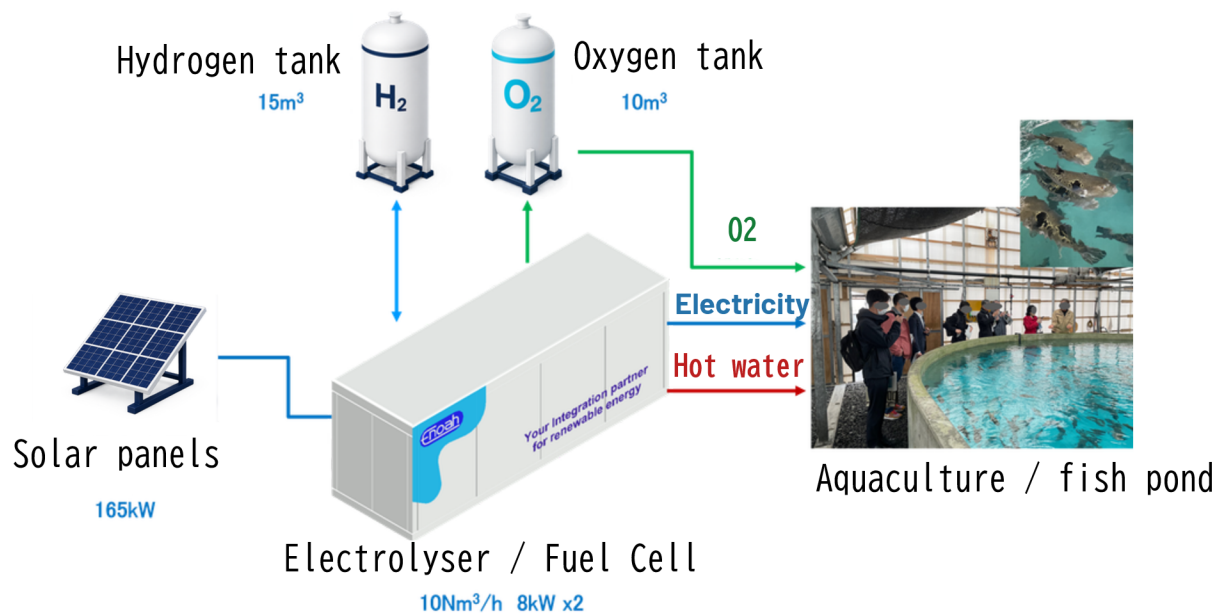


Renewable Hydrogen Energy Application

Case study on Iki Island

Renewable hydrogen electricity and byproduct usage

Reduced OPEX and overall system optimization thanks to utilization of byproducts



Features

- Part of the energy from solar panels is transformed into hydrogen gas, which is supplied to the fuel cell to generate electricity when needed (for BCP or autonomous operation)
- Use of heat released by the equipment, to warm up pond water
- Supply of the oxygen generated by the electrolysis to the pond water, as oxygen concentration leads to faster fish growth

Project details

Part of a land-based fish farm operates autonomously using a renewable energy hydrogen energy storage system, in line with business continuity planning (BCP) requirements

Operation start : August 2021

Faster fish growth - better yield

