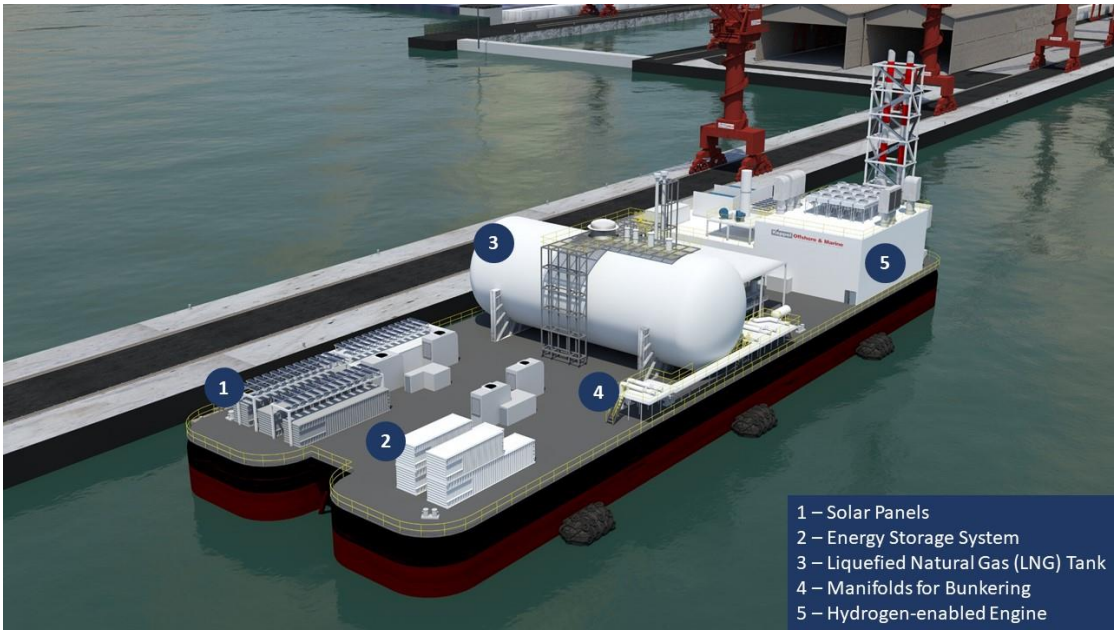
ANNEX

DETAILS OF PROJECT



Artist Impression of Keppel O&M's Floating Living Lab, the first such offshore floating testbed in Singapore

Title	Description	Project Team
Marinised AIoT-Enabled Energy Storage System (ESS) and Digital Solution for Carbon Neutral Shipyard	**Current situation**: There is an increasing need to explore floating energy solutions as a strategic alternative to overcome land constraints. There is also an imperative to improve energy efficiency and lower the carbon footprint of Singapore's shipyards, as part of Singapore's climate change commitments. **Aim**: • To develop an ESS solution that is customised for the marine and offshore sector; and • To integrate the solution with a smart energy management system to optimise energy efficiency in marine and offshore operations. If successful, the developed floating solution can be implemented in other shipyards across Singapore and replicated on the mainland, providing strategic alternatives in our energy landscape.	Principal Investigator: Envision Digital International Pte. Ltd. Co-Investigators: • Mirai Electronics Pte. Ltd. • Fuji Bridex Pte. Ltd. • National University of Singapore • Institute of Infocomm Research (I^2R) at the Agency for Science, Technology and Research (A*STAR)