



Smart Energy, Sustainable Future



For Immediate Release

MEDIA RELEASE

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Call for Expression of Interest to Develop Low or Zero-Carbon Power Generation and Bunkering Solutions

1 Singapore's National Hydrogen Strategy was launched at the Singapore International Energy Week 2022. A key thrust of the strategy is for Singapore to experiment with the use of advanced hydrogen technologies that are on the cusp of commercial readiness. To this end, the Energy Market Authority (EMA) and the Maritime and Port Authority of Singapore (MPA) are inviting interested parties to submit proposals under an Expression of Interest (EOI) to build, own and operate low or zero-carbon power generation and bunkering solutions in Jurong Island, Singapore.

2 Low or zero-carbon hydrogen has the potential to support Singapore's decarbonisation efforts and achieve net zero emissions by 2050. The EOI will enable us to explore the use of low or zero-carbon fuels such as hydrogen and ammonia for power generation, alongside other low-carbon alternatives such as electricity imports and domestic renewable energy sources. Low or zero-carbon ammonia may also have multiple end-use pathways for power generation and bunkering. Beyond the power and maritime sectors, low or zero-carbon hydrogen and ammonia are also promising decarbonisation pathways for our energy, chemicals and aviation sectors.

3 Due to its low energy density, hydrogen gas needs to be liquefied, compressed or converted into a hydrogen carrier for transport and storage. Ammonia is currently one of the most technologically ready hydrogen carriers with an established international supply chain for industrial use. The EOI will enable Singapore to assess the viability of such projects, and support the development of the safety standards, regulations and ecosystem needed.

4 Mr Ngiam Shih Chun, Chief Executive of EMA, said: "Hydrogen and ammonia have the potential to be a needle-moving decarbonisation solution for the power sector. Through this Expression of Interest, EMA is keen to collaborate with interested industry partners to explore what could possibly be the world's first low or zero-carbon ammonia solution for power generation."

5 Mr Teo Eng Dih, Chief Executive of MPA, said: “Close collaboration between the public and private sector is critical to accelerate decarbonisation in the maritime industry. MPA hopes to partner those who are committed to building up the global supply chain for low or zero-carbon fuels, including ammonia, with Singapore as a key bunkering hub.”

6 Interested parties should visit the EMA website (<https://go.gov.sg/ema-expression-of-interest-ammonia>) or the MPA website (<https://go.gov.sg/mpa-expression-of-interest-ammonia>) for the EOI document for more details, and to reach out to the point-of-contacts contained therein with their queries by 16 January 2023, if any. Interested parties are invited to submit their proposals by 30 April 2023, 2359 hrs (Singapore time).

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Singapore’s National Hydrogen Strategy

Singapore believes that low-carbon hydrogen has the potential to be a major decarbonisation pathway to support our transition towards net zero by 2050. More information on Singapore’s national hydrogen strategy can be found at <http://www.mti.gov.sg/Industries/Hydrogen>.

About the Energy Market Authority (EMA)

The Energy Market Authority (EMA) is a statutory board under the Singapore Ministry of Trade and Industry. Through our work, we seek to forge a progressive energy landscape for sustained growth. We aim to ensure a reliable and secure energy supply, promote effective competition in the energy market and develop a dynamic energy sector in Singapore. Visit www.ema.gov.sg for more information.

About the Maritime and Port Authority of Singapore (MPA)

MPA was established on 2 February 1996 with the mission to develop Singapore as a premier global hub port and international maritime centre, and to advance and safeguard Singapore’s strategic maritime interests. MPA is the driving force behind Singapore’s port and maritime development, taking on the roles of port authority, port regulator, port planner, international maritime centre champion and national maritime representative. MPA partners with industry and other agencies to enhance safety, security and environmental protection in our port waters, facilitate port operations and growth, expand the cluster of maritime ancillary services, and promote maritime R&D and manpower development. MPA is responsible for the overall development and growth of the Port of Singapore. In 2021, Singapore remained as the world’s busiest

transshipment hub with a container throughput of 37.5 million 20-foot equivalent units (TEUs).

For more information, please visit www.mpa.gov.sg.

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