



## MEDIA RELEASE

25 October 2021

### EMA and JTC Launch \$6 Million Open Call to Accelerate Clean Energy Innovations on Jurong Island

Jurong Island will serve as a living testbed and model for the innovation and adoption of renewable energy, energy storage systems (ESS) and low-carbon technologies. The Energy Market Authority (EMA) and JTC have jointly launched a Jurong Island Renewable Energy Request for Proposals (RFP) to accelerate the development of clean energy innovations for implementation on the island. Projects will be funded by a \$6 million joint commitment by EMA and JTC, with support from Enterprise Singapore (ESG).

2 The RFP is open to industry including small and medium enterprises (SMEs) and the research community. Funds will be used to support prototyping and demonstration of their solutions on Jurong Island over the next two years. The RFP is aligned with the Singapore Green Plan 2030 to help Singapore meet its long-term emissions reduction target, by advancing clean energy technologies to reduce carbon emissions in three focus areas:

- **Renewable Energy** such as new advances in solar photovoltaic (PV) materials, innovative methods in deploying solar PV, e.g. on pipe racks and storage tanks, and efficient conversion of solar energy for industrial uses, e.g. conversion to hydrogen or steam;
- **Energy Storage Systems (ESS)** with improved fire safety for safe and reliable operations, and technologies with higher energy density to reduce the land needed for ESS deployment in Singapore; and
- **Low-Carbon Solutions** that are scalable in areas including but not limited to hydrogen and carbon capture, utilisation and storage (CCUS).

3 Mr Ngiam Shih Chun, Chief Executive of EMA, said, “The power sector contributes around 40% of Singapore’s total carbon emissions and has a significant part to play in reducing climate change. Solar, ESS and low-carbon solutions are key technology and solution areas in the Singapore energy transition plan to put the power sector on the path towards decarbonisation. EMA is pleased to partner industry and

the research community in the areas of renewable energy and low-carbon solutions to build a more sustainable energy future for Singapore.”

4 Mr Tan Boon Khai, Chief Executive Officer of JTC said, “JTC supports the transition towards a low-carbon economy and estates such as Jurong Island serve as living testbeds for game-changing innovations and sustainability technology adoption. Energy transformation requires a diverse mix of innovative technologies and we are pleased to work with EMA to support the acceleration of emerging low-carbon technologies. Such solutions when successfully deployed, will cut carbon emissions on Jurong Island and bring us one step closer to the island’s transformation into a sustainable energy and chemicals park.”

5 Mr Jeffrey Siow, Managing Director & Chief Operating Officer of Enterprise Singapore, said, “ESG is delighted to support this new partnership between EMA and JTC under our Open Innovation initiative, which supports SMEs and startups to develop innovative solutions. This RFP will help our enterprises develop sustainable solutions for market and capture opportunities in the green economy.”

6 The RFP follows an earlier Request-for-Information (RFI) exercise last year which saw strong interest from the industry and research community with 39 proposals received. Greater collaboration to explore clean energy technologies was highlighted as a key opportunity in the Jurong Island Circular Economy Study announced in August. More information on the study is available at: [www.jtc.gov.sg/news-and-publications/press-releases/Pages/20210819.aspx](http://www.jtc.gov.sg/news-and-publications/press-releases/Pages/20210819.aspx)

7 Applications are now open for the Jurong Island Renewable Energy RFP from 25 October 2021 to 24 January 2022. Interested parties can visit the website [jirfp.innovation-challenge.sg](http://jirfp.innovation-challenge.sg) for more details.

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### **About the Energy Market Authority**

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](http://www.ema.gov.sg) for more information.

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## **About JTC**

Since its inception in 1968, JTC has played a strategic role in ensuring Singapore stays innovative and dynamic amid global manufacturing trends.

As a government agency under Singapore's Ministry of Trade and Industry, JTC is paving the way forward for Singapore's industrial landscape with clean, green and smart estate masterplans such as one-north, Seletar Aerospace Park, Jurong Innovation District, and Punggol Digital District. Our estates attract new investment and foster collaborative ecosystems that strengthen Singapore's position as an advanced manufacturing hub. We also drive innovation in the Built Environment sector by piloting new construction technologies.

For more information on JTC, visit [www.jtc.gov.sg](http://www.jtc.gov.sg)

## **About Enterprise Singapore**

Enterprise Singapore (ESG) is the government agency championing enterprise development. We work with committed companies to build capabilities, innovate and internationalise. We also support the growth of Singapore as a hub for global trading and startups and build trust in Singapore's products and services through quality and standards. Visit [www.enterprisesg.gov.sg](http://www.enterprisesg.gov.sg) for more information.