



## Joint Media Release

### **Keppel Seghers and the National Environment Agency (NEA) to jointly study the feasibility of carbon capture at Singapore's Waste-to-Energy plants**

**Singapore, 7 July 2022** - Keppel Seghers Pte Ltd, (Keppel Seghers), the environmental technology and infrastructure unit of Keppel Infrastructure, and the National Environment Agency (NEA) have signed a Memorandum of Understanding (MOU) for a joint study on the feasibility of Carbon Capture (CC) at Singapore's waste-to-energy (WTE) plants.

2 This collaboration between Keppel Seghers and NEA reflects Singapore's continuous efforts in exploring innovative technologies to strengthen its commitments to global sustainable development and climate change efforts. These include the United Nations' 2030 Agenda for Sustainable Development, the Paris Agreement, and Singapore's national plan to achieve net zero emissions by the middle of the century.

3 WTE plants play an integral role in meeting Singapore's solid waste management needs, where incinerable waste is combusted at these plants to reduce the volume of waste for landfilling, and to recover energy for electricity generation. In addition to considerable volume reduction and energy recovery, WTE plants contribute significantly to avoiding methane emissions which would have arisen from direct landfills. To further reduce environmental impact and improve resource recovery, CC technology seeks to capture carbon dioxide emissions from the WTE process for storage and utilisation. This will enable WTE plants to achieve net zero emissions in their operations, and potentially net negative emissions.

4 The feasibility study will leverage Keppel Seghers' experience and expertise in WTE plants and an earlier CC feasibility study that it completed for the Runcorn Energy-from-Waste plant in the United Kingdom. In addition, Keppel Seghers and NEA will collaborate to explore the opportunities for offtake and storage of captured carbon to close the carbon cycle loop. To validate the suitability of CC technologies, the development of a pilot CC facility integrated with selected WTE plants would also be explored.

5 Ms Cindy Lim, CEO of Keppel Infrastructure, the parent company of Keppel Seghers, said, "As a leading developer, technology solutions provider and operator of energy and environmental infrastructure in Singapore and the region, Keppel Infrastructure is pleased to collaborate with NEA to study the feasibility of carbon capture for selected WTE plants in Singapore as well as the potential development of a pilot carbon capture facility integrated with these plants. The collaboration is in line with Keppel's Vision 2030, which puts sustainability at the core of the Company's strategy. It leverages Keppel Seghers' proprietary WTE know-how and carbon emissions management experience to help Singapore and our customers get to net zero and contributes to the global decarbonisation agenda.

6 Mr Luke Goh, CEO of NEA said, "Singapore has adopted a circular economy approach to reducing waste, maximising the reuse of resources and strengthening our resource resilience. Capturing, storing, and utilising or sequestering the carbon from our WTE plants will lead to a reduction in the Singapore waste management sector's overall carbon footprint. We look forward to working with Keppel Seghers on this joint feasibility study which will advance Singapore's capabilities and understanding of carbon capture technology."

7 Keppel Corporation Limited, the parent company of Keppel Infrastructure, does not expect the abovementioned development to have any material impact on its earnings per share and net tangible asset per share for the current financial year.

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### **About Keppel Infrastructure Holdings Pte Ltd**

Keppel Infrastructure (KI) is a wholly-owned subsidiary of Keppel Corporation, a Singapore flagship multinational company providing solutions for sustainable urbanisation. KI provides solutions for some of the world's most pressing challenges through its power & gas, environment and new energy businesses by leveraging its proprietary technology, strong technical expertise and proven operating capabilities.

KI has a track record of developing energy and environmental infrastructure end-to-end, including power generation assets, waste-to-energy (WTE) facilities, large-scale district cooling systems, as well as NEWater and desalination plants. In Singapore, it operates a 1,300-megawatt high efficiency gas-fired combined cycle power plant and a utility pipe rack and pipe line network in Jurong Island. It is also Singapore's leading electricity retailer, and the first and largest district cooling systems developer and service provider. Globally, through Keppel Seghers, it is one of the leading WTE technology providers with more than 100 project references in 20 countries.

KI is expanding its presence, in Singapore and overseas, in areas such as power generation, waste management, district cooling, renewables and energy storage, electric vehicle charging infrastructure and other clean energy opportunities.

For more information, please visit [www.kepinfra.com](http://www.kepinfra.com)

### **About the National Environment Agency**

The National Environment Agency (NEA) is the leading public organisation responsible for ensuring a clean and sustainable environment for Singapore. Its key roles are to improve and sustain a clean environment, promote sustainability and resource efficiency, maintain high public health standards, provide timely and reliable meteorological information, and encourage a vibrant hawker culture. NEA works closely with its partners and the community to develop and spearhead environmental and public health initiatives and programmes. It is committed to motivating every individual to care for the environment as a way of life, in order to build a liveable and sustainable Singapore for present and future generations.

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

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**For more information, please contact:**

For Keppel:

**Media Relations**

Mr Ang Lai Lee  
Deputy General Manager  
Group Corporate Communications  
Keppel Corporation Limited  
Tel: (65) 6413 6427  
Email: [lailee.ang@kepcorp.com](mailto:lailee.ang@kepcorp.com)

**Investor Relations**

Ms Ivana Chua  
General Manager  
Group Corporate Communications  
Keppel Corporation Limited  
Tel: (65) 6413 6436  
Email: [ivana.chua@kepcorp.com](mailto:ivana.chua@kepcorp.com)

For NEA:

**Siti Annazia (Ms)**

Corporate Communications  
National Environment Agency  
Tel: 9844 6309  
Email: [siti\\_annazia\\_hamsani@nea.gov.sg](mailto:siti_annazia_hamsani@nea.gov.sg)

**Elaine (Ms)**

Corporate Communications  
National Environment Agency  
Tel: 9799 3154  
Email: [Elaine\\_TAN@nea.gov.sg](mailto:Elaine_TAN@nea.gov.sg)