

Speech for Ms Cindy Lim, CEO of Keppel Infrastructure on the occasion of the Official Opening of *Keppel Infrastructure @ Changi*

Mr Desmond Lee, Minister for National Development,

Mr Loh Chin Hua, CEO, Keppel Corporation,

Distinguished guests,

Ladies and Gentlemen.

Introduction

Good afternoon, and welcome to the official opening of *Keppel Infrastructure @ Changi*, or *KI @ Changi* for short. On behalf of KI, I would like to thank Minister Desmond Lee, and all our distinguished guests and partners for joining us today to mark this significant occasion.

KI @ Changi is Singapore's first Green Mark Platinum Positive Energy building under BCA's new and more stringent scheme, revised in 2021. The new scheme requires buildings to have at least 115% of its energy consumption, including plug load, to be supplied from onsite renewable sources. This is not an easy feat as Singapore is a country with limited access to renewable energy.

When we decided to retrofit this nearly decade-old building at the end of last year, we challenged ourselves to push the envelope and turned it into one of the greenest buildings in Singapore. Our approach reflects both Keppel's commitment to sustainability, as well as our determination to contribute to Singapore's national sustainable development agenda.

We upgraded key cooling and mechanical systems and installed smart sensors, which enabled us to reduce the energy consumption of the building. In addition, we installed over 4,000 square

metres of photovoltaics on the rooftop, as well as the building's façade. This is expected to yield about 600,000 kWh of renewable energy per year, which is more than double the building's consumption. The reduction in carbon emissions is equivalent to the planting of 7,000 trees.

Beyond Positive Energy

Besides being a high-quality green building, *KI @ Changi* also houses KI's Operations Nerve Centre. This is a one-stop control centre, which enables us to have a real-time bird's eye view of our cooling operations across Singapore. Over time, we plan to expand its coverage to our waste, water and energy plants in Singapore, and later on, our operations globally.

By leveraging new digital technology, we are able to monitor our operations remotely, 24 by 7, and, as and when necessary, send our staff to address any issues on the ground. Through this arrangement, we streamline processes and increase our productivity, enabling a smaller number of staff to cover a larger area of operations. We are also harnessing the power of machine learning for predictive maintenance, thus enhancing the reliability of our assets and operations.

These are examples of how, Keppel, as a developer and operator of several large-scale infrastructure projects in Singapore and overseas, is able to leverage its track record and experience to seize the opportunities brought on by decarbonisation and digitalisation.

Another initiative that KI is pioneering is the concept of "Energy-as-a-Service", which rethinks a building's energy delivery model. Instead of making upfront capital investments for a building's cooling and energy management systems, building owners can instead enter into a subscription and service contract for energy usage and management. As a result, the building can achieve significant energy savings while meeting the needs of its tenants. This is a scalable offering, and

KI is looking to replicate this in Singapore and beyond, as more building owners look for solutions to help them achieve their sustainability goals.

On this note, I am happy to share that later this afternoon, KI will be signing a MOU with Medtronics to provide Energy-as-a-Service (EaaS), including district cooling and installation of solar panels and electric vehicle chargers. Together with a MOU with SATS to provide district cooling signed earlier, the MOUs have a contract value of up to \$100 million over the contract service periods. Through these, KI will work towards providing best-in-class cooling and energy solutions for our customers, while reducing their upfront as well as total life cycle costs. Proven to be a more cost effective and greener option than conventional cooling systems, district cooling will also contribute to the achievement of the Singapore Green Plan.

Conclusion

In closing, I would like to take this opportunity to thank BCA for their support in the certification of this building as a Positive Energy building, as well as the National Parks Board for supporting the building's vertical greening and biophilic landscaping under the Skyrise Greenery Incentive Scheme. I would also like to thank our project teams for their hard work in making this Positive Energy building a reality.

Finally, I would like to thank Minister Desmond Lee once again for taking time from his busy schedule to join us today.

I wish all of you a very pleasant day ahead.

Thank you.