

News Release

SP GROUP PARTNERS CAPITALAND TO DEPLOY DISTRIBUTED DISTRICT COOLING NETWORK AT GENEIO CLUSTER IN SINGAPORE SCIENCE PARK

Singapore, 27 May 2024 – SP Group (SP) and CapitaLand Group (CapitaLand) today announced a partnership to deploy a distributed district cooling network at the new life sciences and innovation cluster in Singapore Science Park. SP will provide centralised energy-efficient chilled water for air-conditioning to the Geneio cluster, which comprises three business park properties targeting full completion in 2025.

In line with CapitaLand’s design brief, SP will be operating the distributed district cooling network at an energy efficiency level that is about 14 per cent higher than conventional in-building cooling systems and the National Environment Agency (NEA)’s Minimum Energy Efficiency Standards (MEES) for water-cooled chilled water systems in industrial facilities. This will allow the cluster to abate at least 20,000 tonnes of carbon emissions over the 30-year operating period, akin to removing more than 600 cars from our roads annually.

SP will own, operate and maintain two chiller plants, which are interconnected and will supply chilled water to the five buildings across 1, 5 and 7 Science Park Drive through a series of interlinked pipe networks. The distributed district cooling network will thereby enhance supply reliability and resilience for the building cluster. When fully operational in 2025, SP will operate a total cooling capacity of 10,400 refrigeration tons (RT) at Science Park.

Mr S. Harsha, SP Group’s Managing Director for Sustainable Energy Solutions, Singapore, said: “District cooling is a pivotal solution to enable a heat-resilient and sustainable future for Singapore. From commercial districts to industrial projects, we are now helping business parks and clusters achieve their sustainability targets through innovative applications of district cooling. We look forward to working closely with CapitaLand to operate greener districts for Singapore.”

In addition to district cooling, the Geneio cluster features an accordion-shape facade that helps to block out sunlight, the use of photovoltaic solar panels to generate renewable energy and abundant greenery to reduce the urban heat island effect. These sustainability features have helped the Geneio cluster to achieve top green building certifications, namely Green Mark Platinum Super Low Energy for 7 Science Park Drive and Green Mark Platinum for 1 and 5 Science Park Drive.

Mr Tan Yew Chin, Chief Executive Officer, CapitaLand Development (Singapore), said: “Science Park 1, where Geneio is located, is the first business park and one of only two existing districts in Singapore to have received recertification for BCA Green Mark Platinum for Districts conferred by the Building and Construction Authority. Deploying a distributed district cooling network at Geneio is part of our strategy to sustain the green operations of Science Park, in line with our goal of achieving a resource-efficient and climate-resilient portfolio.”

SP is the biggest provider of district cooling solutions in Singapore, with a total cooling capacity of 203,000 RT in operation and secured through its district cooling networks.

Besides the collaboration on district cooling, SP has partnered with CapitaLand to install 34 electric vehicle charging points across seven properties at Science Park to drive green mobility adoption.

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About SP Group

SP Group is a leading utilities group in the Asia Pacific, empowering the future of energy with low-carbon, smart energy solutions for its customers. It owns and operates electricity and gas transmission and distribution businesses in Singapore and Australia, as well as sustainable energy solutions in Singapore, China, Thailand and Vietnam.

As Singapore's national grid operator, about 1.6 million industrial, commercial and residential customers benefit from its world-class transmission, distribution and market support services. These networks are amongst the most reliable and cost-effective worldwide.

Beyond traditional utilities services, SP Group provides a suite of sustainable and renewable energy solutions such as microgrids, cooling and heating systems for business districts and residential townships, solar energy solutions, electric vehicle fast-charging stations and digital energy solutions for customers in Singapore and the region.

For more information, please visit spgroup.com.sg or follow us on Facebook at [spgrp.sg/facebook](https://www.facebook.com/spgrp.sg), LinkedIn at [spgrp.sg/linkedin](https://www.linkedin.com/company/spgrp.sg) and Instagram at [spgrp.sg/Instagram](https://www.instagram.com/spgrp.sg).

About CapitaLand Group (www.capitaland.com)

CapitaLand Group (CapitaLand) is one of Asia's largest diversified real estate groups. Headquartered in Singapore, CapitaLand's portfolio focuses on real estate investment management and real estate development, and spans across more than 260 cities in over 40 countries.

Within its ecosystem, CapitaLand has developed an integrated suite of investment management and operating capabilities that supports its real estate businesses and platforms in building core competencies across the real estate value chain. With this full stack of capabilities, CapitaLand can optimise the strategies of its listed real estate investment management business CapitaLand Investment, and its privately held property development arm CapitaLand Development; to drive competitive advantage for its businesses.

CapitaLand places sustainability at the core of what it does. As a responsible real estate company, CapitaLand contributes to the environmental and social well-being of the communities where it operates, as it delivers long-term economic value to its stakeholders.

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