

SP GROUP OPENS SINGAPORE'S FIRST SMART ENERGY TOWN SHOWCASE AT MYTENGGAH EXPERIENCE CENTRE

Singapore, 19 October 2020 – SP Group's [SP] MyTengah Experience Centre, an interactive showcase of SP's smart energy solutions that will be deployed in Singapore's first smart energy town at Tengah, will be open to the public from 20 October 2020. SP will bring Singapore's first large-scale residential centralised cooling system to Tengah.

Located at the HDB Hub in Toa Payoh, the MyTengah Experience Centre will give future Tengah residents and visitors a first-hand look and feel of living in the A.I.-enabled, eco-friendly, smart energy town. It provides visitors with an immersive experience of the benefits of the smart energy innovations that will be installed and integrated across more than 20,000 residential, commercial and community facilities. These innovations include the centralised cooling system, digital display boards of energy consumption at residents' blocks, charging stations for electric vehicles, and a digital platform that enables a near real-time monitoring of these solutions.

Mr Stanley Huang, Group Chief Executive Officer of SP Group said, "SP wants to create a low-carbon, smart energy Singapore. Tengah will be the model for low-carbon smart energy towns in Singapore. The MyTengah Experience Centre brings to life the benefits that residents will enjoy with our smart energy solutions, which will enable residents to integrate sustainability into their everyday lives."

Residential Centralised Cooling

In collaboration with the Housing & Development Board (HDB), SP will bring Singapore's first large-scale residential centralised cooling system¹ to Tengah. Air-conditioning accounts for a quarter of an average Singaporean household's electricity consumption². With SP's centralised cooling system, Tengah residents can enjoy as much as 30 per cent energy savings.

Chilled water will be centrally produced from interconnected modular chiller plants built on the HDB roof tops before it is distributed to residential and commercial units for air-conditioning. To maximise the limited space available in Tengah, SP is also testing both conventional and vertical

¹ This concept is similar to SP's Marina Bay District Cooling system that provides energy-efficient cooling to buildings in the Marina Bay area. Besides achieving substantial energy efficiency, the district cooling network achieved 100% reliability for 13 consecutive years, since it commenced operations in 2006.

² Household Energy Consumption Study 2017, National Environment Agency



solar panels, known as Building Integrated Photovoltaics [BIPV]. The solar energy generated from these sources will then be used to power the centralised cooling system to meet the township's cooling needs. The centralised cooling system will also be serviced by SP, bringing greater convenience to the Tengah residents.

Smart Energy Solutions

In addition to centralised cooling system, SP will be installing other smart energy solutions across Tengah. These include digital sustainability displays called Eco Boards at the housing blocks' lift lobbies to drive community awareness and help residents be more mindful of their block's utilities' consumption and impact on the environment. These boards will also provide residents with green tips to lower their electricity and water consumption and promote sustainable behaviour through utilities-savings competitions between blocks.

SP will also be implementing EV charging solutions in Tengah, with both fast and overnight chargers augmented by renewables and energy storage systems. At Tengah's neighbourhood centre, drivers will be able to charge their EVs quickly at SP's innovative Fast-Charging Hubs while attending to their errands.

Digital Platform

SP Group is rolling out **OneTengah**, a digital platform which integrates all the capabilities such as centralised cooling, battery energy storage systems, EV-charging stations, as well as data and analytics from other platforms within Tengah. The OneTengah platform will enable town council and facility operators to make use of energy management control and A.I.-enabled insights to monitor the town's energy resources. They will also have complete visibility of systems in Tengah at an aggregated town or block cluster level. On a single dashboard, they can better monitor system performance and be alerted of anomalies, for quick actions to be taken to enhance the experience of living and working in Tengah.

SP has also created a sustainable lifestyle app called myTengah app for an eco-friendly and hassle-free lifestyle. With the app, Tengah residents can access their household utilities consumption, intelligently control their centralised cooling usage, make smart decisions to lower their carbon footprint and integrate sustainability into their everyday lives.



To visit the Tengah Experience Centre, simply walk in and register on site or make an appointment³ via the myTengah app, which can be downloaded on both the Apple App and Google Play stores. For more information on Tengah, please visit mytengah.sg.

-Ends-

³ Appointments made on the myTengah app are subject to the availability of slots.

Testimonials from Future Tengah Residents

“Initially, I was uncertain about centralised cooling because it is a new concept and I did not fully understand how it works. An SP Sustainability Ambassador personally and patiently explained to me how it works, with chilled water that is generated from highly energy-efficient modular chiller plants. SP Group then invited me for a sneak preview of the MyTengah Experience Centre. I saw the actual CCS chilled water indoor unit and was able to see how it will look like exactly in my future home, including the actual piping and fittings. I am now convinced and looking forward to saving more money in the long run.”

- Mr Steven Ang, 64, future resident who signed up for centralised cooling for his new Tengah home

“The MyTengah Experience Centre is such a cool and exciting place. It’s impressive and the fact that we can experience augmented reality elements, it’s the highlight for me as it showcases the intricate details and helps me visualise what has been planned for Tengah.”

- Ms Beverly Tan, 23, visitor invited for a preview of the MyTengah Experience Centre, applying for a new home in Tengah

“Sustainability to me is the harmonious co-existence of man and nature. It is about achieving an equilibrium and balance. The MyTengah Experience Centre showcases the solution that can make this happen. To me, it’s also about savings and with CCS, we can save up to 30 per cent in our energy consumption. It is so economical.”

- Mr Shaun Wong, 23, visitor invited for a preview of the MyTengah Experience Centre, applying for a new home in Tengah



About SP Group

SP Group is a leading utilities group in the Asia Pacific, driving a low-carbon, smart energy future for its customers. It owns and operates electricity and gas transmission and distribution businesses in Singapore and Australia, and district cooling and heating businesses in Singapore and China.

As Singapore's national grid operator, SP Group is committed to providing customers with reliable and efficient energy utilities services. About 1.6 million industrial, commercial and residential customers in Singapore benefit from SP Group's world-class transmission, distribution and market support services. These networks are amongst the most reliable and cost-effective world-wide. SP Group also drives digital solutions to empower customers to manage their utilities, reduce consumption and save cost.

Beyond traditional utilities services, SP Group provides sustainable energy solutions to businesses and households in Singapore and the region.

For more information, please visit spgroup.com.sg or for follow us on Facebook at fb.com/SPGroupSG, on LinkedIn at spgrp.sg/linkedin and on Twitter [@SPGroupSG](https://twitter.com/SPGroupSG).