

SMART BUILDING SOLUTION BY SP GROUP AND 75F HELPS BUILDINGS ACHIEVE MORE THAN 30% ENERGY SAVINGS

Singapore, 5 December 2019 – SP Group (SP), a leading energy utilities group and 75F, a building intelligence solutions provider, are offering a micro-climate control solution that can save more than 30 per cent in energy consumption while improving occupant comfort. The solution uses applied Artificial Intelligence (A.I.) and Internet of Things (IoT) to reduce energy consumption in a building. It takes into consideration factors like occupancy and weather and optimises air-flow to evenly cool areas.

SP partnered with 75F to customise and test the performance and viability of the solution for Singapore's tropical environment. The solution was trialled for a year at Singapore Institute of Technology's (SIT) campus at Dover, and the Mercatus Co-operative Limited's corporate office at One Marina Boulevard in Raffles Place. Both locations achieved more than 30 per cent in energy savings, while improving comfort for occupants by ensuring that the indoor temperature, and air quality were optimal. With the validated outcomes, SP and 75F will offer the solution to customers in Singapore, China, Vietnam, Indonesia and Australia.

Air-conditioning contributes 60 per cent of a building's electricity consumption. With buildings consuming a third of Singapore's total electricity consumption¹, this new solution will help Singapore reduce electricity consumption and support the goal of cutting national emissions intensity by 36 per cent below 2005 levels by 2030.

Mr Brandon Chia, Head, Centre of Excellence, SP Group said: "SP Group has partnered with 75F on this micro-climate control solution that leverages A.I. and IoT. It enables customers to enjoy cooler comfort in buildings while lowering their carbon footprint. We look forward to developing more next-generation technologies to help customers in Singapore and the region save energy and cost."

The micro-climate control solution is a self-learning, intuitive building intelligence system that optimises and regulates air-conditioning in buildings to improve operational efficiency and occupant experience. The system's central control unit divides large open spaces into smaller

¹ Source: *The Building and Construction Authority (BCA) Super Low Energy Technology Roadmap Report*



zones that balances the temperature, air flow, carbon dioxide [CO₂] within each zone. It also optimises the air-conditioning operation by using the least amount of energy to achieve the required comfort.

Gaurav Burman, APAC President, 75F said: “Both 75F and SP are committed to saving energy and reducing the carbon footprint of commercial buildings. The Asia Pacific market, especially Singapore, China, Vietnam, Indonesia and Australia, represent a huge opportunity given their economic growth, rising energy costs and the growing focus to improve occupant experience and operational efficiency. This partnership combines 75F’s award-winning technology with SP’s capabilities and track record in the region, allowing both companies to accelerate our growth.”

SP’s partnership with 75F first started as part of SP’s Energy Advanced Research and Development [SPEAR] programme, under the SP Centre of Excellence [SP CoE]. SP CoE is an initiative supported by the Singapore Economic Development Board [EDB], and drives the research, development, and integration of cutting-edge solutions and next-generation technologies for Singapore’s energy infrastructure network.

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Notes to Editor:

About SP Group

SP Group is a leading energy utilities group in the Asia Pacific. It owns and operates electricity and gas transmission and distribution businesses in Singapore and Australia, and district cooling businesses in Singapore and China. 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.

For more information, please visit spgroup.com.sg or for follow us on Facebook at fb.com/SPGroupSG and on Twitter @SPGroupSG.



About SP Centre of Excellence

The SP Centre of Excellence (CoE) is an initiative by SP Group (SP) to drive the innovation and commercialisation of next-generation energy network technologies for the greater reliability and efficiency of Singapore's infrastructure. Supported by the Singapore Economic Development Board, the CoE aims to establish SP as a thought leader in the utility industry forefront and build future-ready energy networks and resource capabilities. This allows SP to stay ahead of global trends such as the drive for smarter and greener performance, and to sustainably meet evolving customer needs.

About 75F

75F is an award-winning, IoT and Machine Learning company taking a fresh approach to HVAC, lighting and controls in commercial buildings. Founded in 2012, 75F offers data-driven, proactive, predictive building intelligence and controls. 75F is backed by investment groups including billionaire-led Breakthrough Energy Ventures and Oil & Gas Climate Initiative. 75F has delivered hundreds of energy-efficient, comfortable and healthy spaces to enthusiastic customers who rave about the results.

75F launched its operations in India in August 2016 and has been growing steadily since with companies such as Firstsource Solutions, Flipkart, Bennett-Coleman Group, Mercedes Benz, Mapletree, HP, Shell, Smartworks and other leading brands in India, joining US customers such as HOM Furniture, Border Foods, Magnet 360, Rockler and Yoga Fit.