

## Daikin Participates in the Smart City Project in Singapore

Daikin Industries, Ltd. has recently signed a memorandum of understanding with Singapore Power (SP Group) to establish a joint venture to realize district-level centralized cooling system for Tengah Town, a smart energy town project being promoted in Singapore by the Singaporean government. Daikin has been providing various products and services in Singapore for 50 years, and its high energy-saving air conditioners and far advanced systems were adopted for the project based on the technology and experience that the company has cultivated.

Under this project, collaborating with SP Group, Daikin supplies advanced centralized cooling system to the residences in the smart city. With this system, 30% life cycle costs savings is realized at each household compared to individual air-conditioning installment. A centralized cooling system is a cooling mechanism that supplies water cooled from a newly developed, high-efficiency modular chiller, which is a large-scale air conditioner, to a fan coil unit (an indoor unit with an air blowing function) that installed in residential units. Residents who opted for centralized cooling system will be charged subscription-based billing. Moreover, Daikin has also concluded maintenance contracts for large-scale air conditioners and fan coil units throughout the city, as a means to provide smart support to the township and develop a sustainable business model.

Airconditioning expense is said to occupy 40% of total electricity usage at households. Daikin contributes to saving energy of total smart city highlighting air-conditioning field, and will keep on working for environment protection and development of smart city offering solution business.

### [Overview of Tengah Town]

Tengah Town is a futuristic new city unifying nature and state-of-the-art technology, under development by the Singapore Housing & Development Board, and located in the West Region of Singapore. With a total area of 700 hectares, it will consist of 42,000 new homes incorporating the latest advanced technologies alongside commercial buildings such as restaurants and sports centers in addition to schools and hospitals surrounded by parks and farms. It will be a safe, green, convenient city where pedestrian flow is completely separated from transportation systems, including railroads, buses, and cars. The latest energy management system will be installed in residences to enable residents to visualize electricity use and help them save energy throughout their homes by using mobile apps. Intended as ideal utopia integrating a green town and smart city pursuing sustainability, Tengah Town expects to see its first batch of its residents move in by 2023.



Illustration of completed Tengah Town