

//// PUNGGOL DIGITAL DISTRICT - SINGAPORE

Client: JTC / Architect: WOHA / Anticipated completion: 2024

A mixed-used development of over 350,000 square meters, consisting of 25m deep basement, 10 towers up to 15-storey high and an underground MRT station. The building exhibits high level of energy efficiency and rank in the 1 quartile of the energy efficiency index based on the EUI benchmarking done by Building Construction Authority of Singapore.

This highly sustainable development designed with a combination of passive and active design strategies that results in achieving Green Mark Platinum certification as a consequence. The building is equipped with latest technology such as DCS chiller plant system, variable air flow system with CO2 controller, efficient lighting system with motion sensor, Lux sensor & diming control, smart controls, high performance façade to harvest daylight & reduce thermal heat gain, wastewater treatment system, pneumatic waste collection system, photovoltaics, rain-water harvesting and sustainable construction materials.



ETTV reduction 30%



33% more energy efficient chiller plant



Motion & Lux sensor with Zoning



Reducing 50% water consumption



100% food waste managed



1916 MWh/year



49% savings - Air distribution



45% more energy efficient in LPD



Wastewater reuse



Rain & NEwater for irrigation

