

# //// SINGAPORE INSTITUTE OF TECHNOLOGY - SINGAPORE

Client: SIT / Architect: WOHA / Anticipated completion: 2023

A campus comprising of two plots within the Punggol Digital District located in the North-Eastern part of Singapore, designed with a focus on passive and active sustainable strategies. It is targeted to achieve Green Mark Platinum award.

The development facilitates energy, water and material resource usage through an efficient district cooling system which provides the campus' cooling needs, a comprehensive façade that includes effective shading devices, rooftop and building-integrated PV systems to supplement energy usage, smart lighting and occupancy sensors connected to the building management system (BMS) to control energy usage, rainwater harvesting to reduce non-potable water consumption as well as sustainable products for improved indoor environmental quality and sustainable construction. Further design strategies to ensure thermal comfort and wind-driven rain performance provide a comfortable environment for the students.



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



GnPR > 4.0

