

# KEPPEL INFRASTRUCTURE @ CHANGI: A POSITIVE ENERGY BUILDING



**600,000 kWh**

of renewable energy collected annually using solar panels



**>200%**

replacement of building's annual energy consumption



**245 tonnes**

reduction in CO2 emissions annually



**7,000 new trees**

carbon sequestration capacity

**1**

Use of **highly efficient** Air-Conditioning and Mechanical Ventilation systems, sun pipes, smart sensors and LED lights



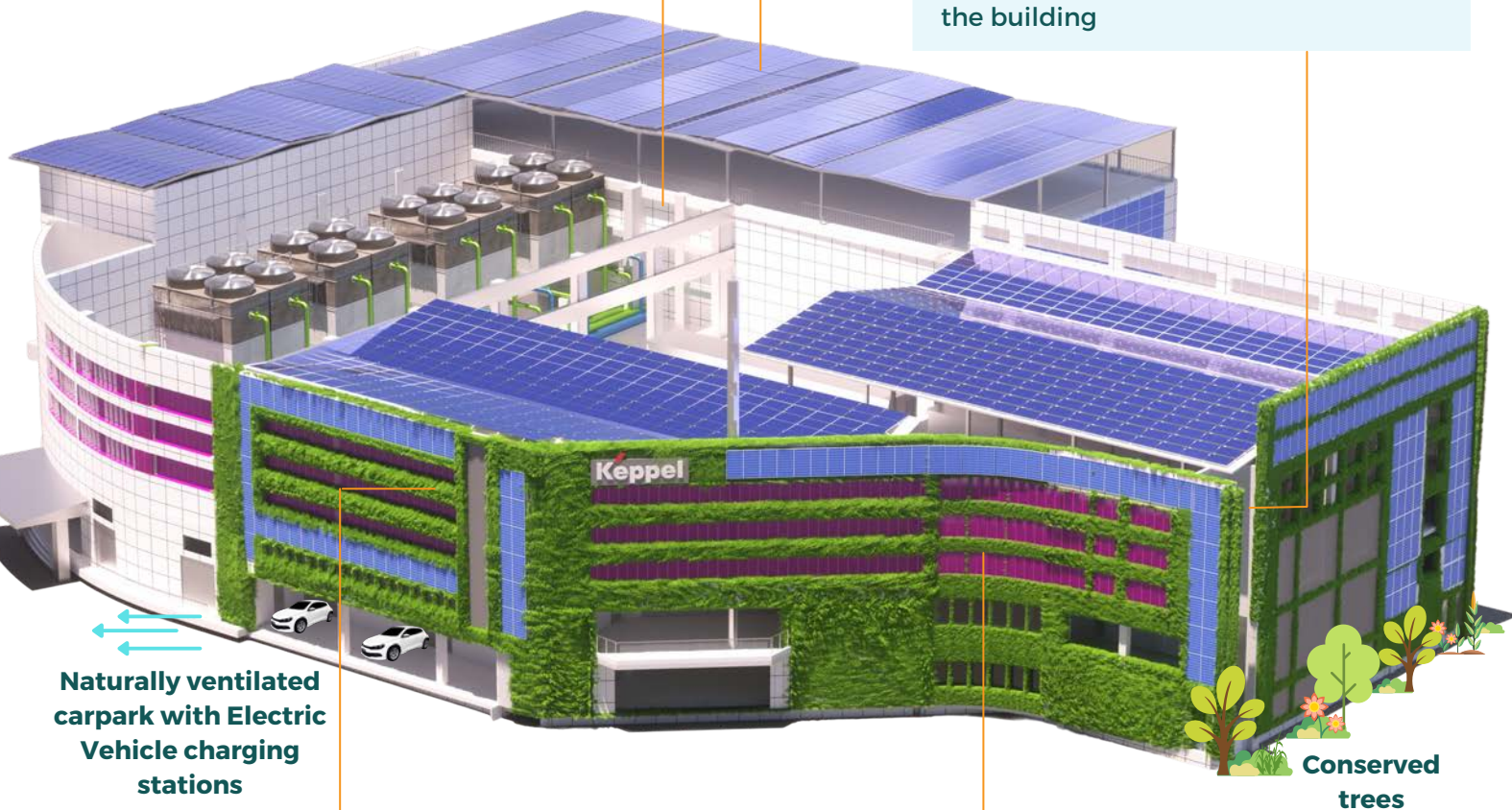
**2**

**>4,000 square meters** of solar panels on rooftop and building façade yields more than **200%** of the building's annual energy consumption



**3**

Sustainable materials such as low-volatile organic compound paint, zero-ozone depletion potential refrigerant, and products with **Singapore Green Building Certification** are used for the building



**Naturally ventilated carpark with Electric Vehicle charging stations**

**Conserved trees**

**4**

**>910 square meters of vertical greenery and sky gardens** reduces urban heat island effect and incorporates biophilic design in building



**5**

**Rainwater harvesting, automatic drip irrigation with rainwater and NEWater and efficient water fittings certified to PUB Water Efficiency Labelling Scheme** reduces the building's water consumption

