



DESIGN AWARD

MIXED DEVELOPMENT

Northshore Residences I & II and Waterfront I & II @ Northshore

Project Overview

Punggol Northshore is one of the waterfront housing districts in Punggol. The development showcases smart and sustainable innovations.

Project Achievements

- IFLA 2020
- Green Mark Platinum (Commercial)
- Green Mark Gold^{PLUS} (Residential)

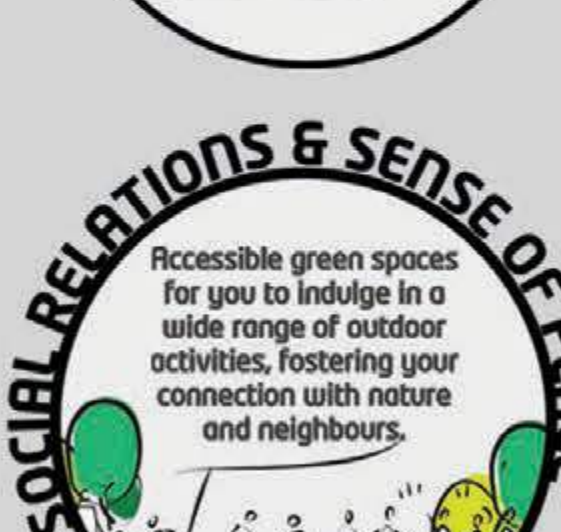
A unique seafront district, Punggol Northshore offers a living experience that is close to water. The development is a thoughtful integration of urban design, sustainable solutions, smart technologies and biophilic strategies



Green and biophilic setting – Residents can enjoy nature at their doorstep with boulevards, roof gardens and lawns



Urban Design – The picturesque skyline is delineated by elevated green datums at various heights which bring greenery and biodiversity nearer to homes. The developments are strategically placed to allow for greater air flow, resulting in a cooler environment





Northshore Plaza I & II – A naturally ventilated Neighbourhood Centre which was awarded with a Platinum Green Mark for its sustainable design



Aided by environmental modelling studies, the layout of the Neighbourhood Centre induces wind flow to provide a comfortable environment for shoppers

Smart and Sustainable Designs

1) Smart Irrigation

Moisture sensors are used to optimise water usage. Data pertaining to water retention in the soil will also be collected and assessed

2) Smart Lighting

Lighting in common areas is sensor-controlled. This provides insights on human traffic patterns, which in turn optimises energy usage for less frequently used areas

3) Smart Waste Management

In addition to the Pneumatic Waste Conveyance System, waste disposal and recycling patterns are monitored to improve the design of collection bins and frequency of waste collection

4) Smart Home

Homes are equipped with power and data points to support easy installation of commercial smart systems within the flat. Residents can adopt the Home Energy Management System to monitor their energy consumption patterns

5) Smart Parking

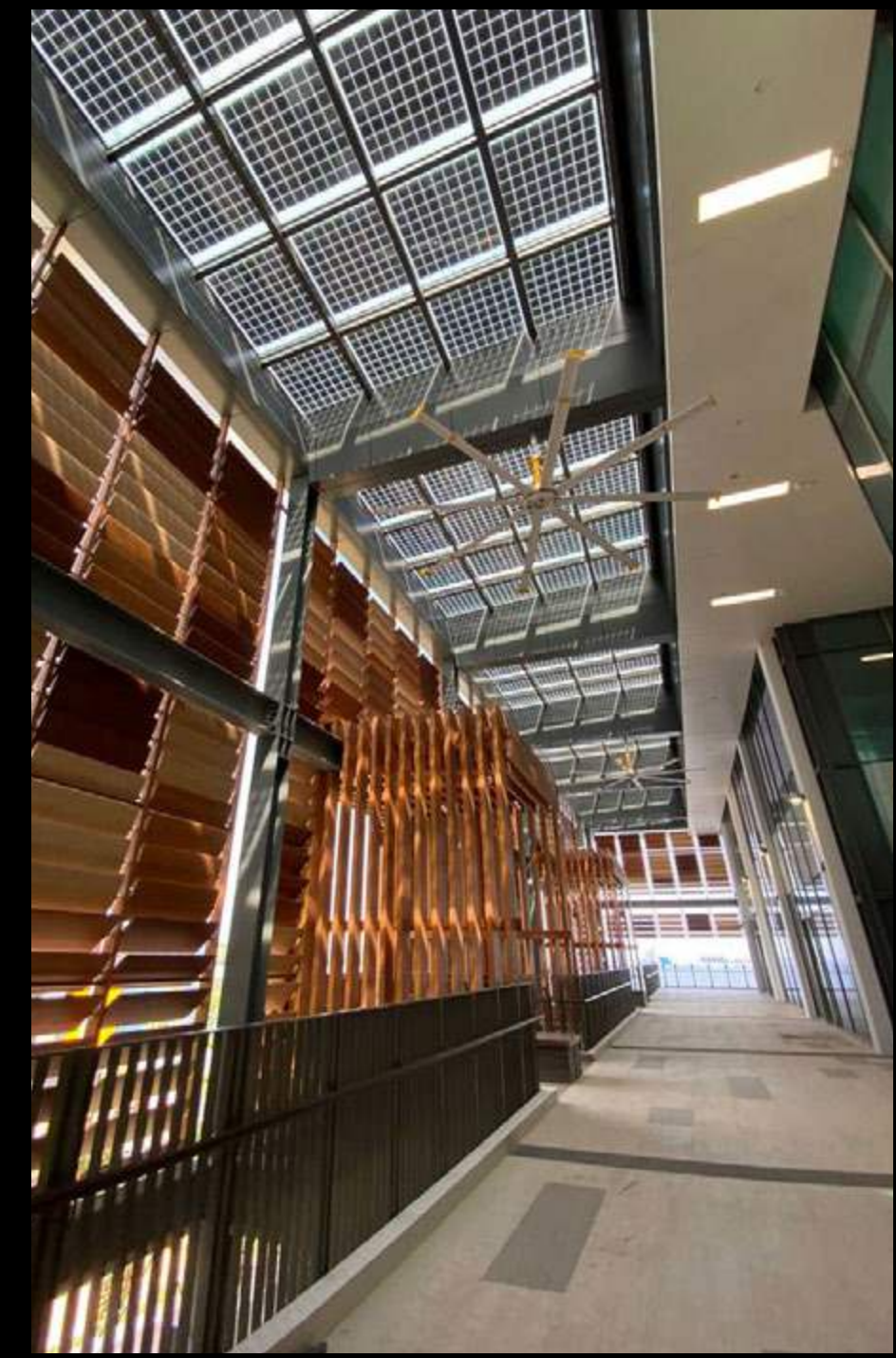
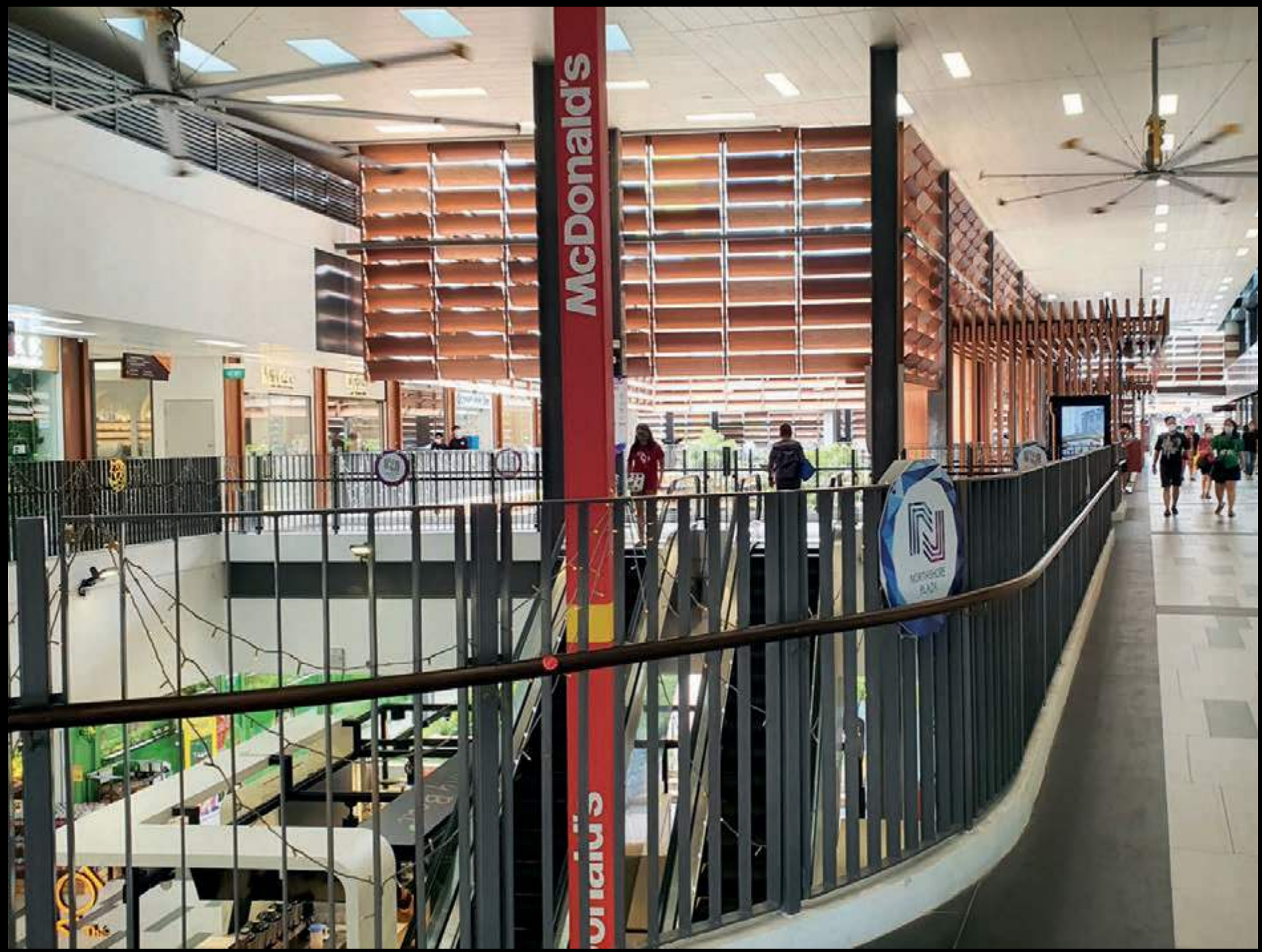
Parking demand from residents and visitors are monitored through the smart car park management system



At the basement landscaped car parks, voids are designed in a staggered arrangement for day light and natural ventilation. This car park is also installed with a smart system without conventional physical gantry



Geotextile bags are stacked and anchored at a slope of 70 degrees to replace conventional solution of a reinforced concrete retaining wall



Pedestrian Connections – A network of covered pedestrian link at second storey which connects homes to the neighbourhood and Samudera LRT station is a daily convenience