

URBAN RENEWAL & GREEN TRANSPORTATION

The visioning proposal is to transform a Makati-central site (17.5 hectares) of existing building stock into a state-of-the-art sustainable development of the 21st century. The entire area is proposed as a car-free, park-like, mixed-use environment. On-site transportation will be facilitated with a zero-carbon shuttle system that connects with individual transportation hubs and community centers. These hubs function as “connectors” of underground parking, shuttle service, cafes, libraries, F&B, retail kiosks and urban farming. The existing site and building stock will be renovated and updated, following a comprehensive energy and construction audit.

CLIENT

Ayala Land, Inc.

LOCATION

Manila/Makati, Philippines

CLIMATE

Tropical monsoon climate

SPECIFICATIONS

Site area: 17.5 hectares

Adaptive Reuse

Existing and new building stock

Existing and new transportation system

SUSTAINABLE DESIGN STRATEGIES

Car-free pedestrian zone

Zero-carbon, on-site shuttle service

Community centers at transport hubs

Energy recovery

Solar cooling

Urban farming

Expansive green roofs and green walls

Rainwater harvesting

Water reuse

On-site waste collection and treatment

Energy-use tracking



SUSTAINABLE MASTER PLAN DESIGN VISION

Renovation and expansion of existing building stock and infrastructure

AYALA TREE: TRANSPORTATION HUB AND COMMUNITY CENTER

ZERO-CARBON JEEPNEYS SERVE AS ON-SITE, PUBLIC SHUTTLES AND HELP CONVERT THE SITE INTO A PEDESTRIAN-ONLY, PARK-LIKE, MIXED-USE ENVIRONMENT.

RAINWATER COLLECTION, REUSE AND RECYCLE STATION.

PROGRAM ELEMENTS INCLUDE INFORMATION DESK, TRANSIT ACCESS, GYM, LOUNGE, CAFE, CHILDREN'S LIBRARY, PLAY STRUCTURES, AND URBAN FARMING.

THERMAL ENERGY RECOVERY: EXCESS ENERGY FROM EXHAUST AIR IS CONVERTED TO COOL GREEN HOUSES.

