BANDAR BUKIT RAJA
THE PRIDE OF KLANG

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Building a Resilient Tomorrow

Sime Darby Property

Sime Darby Property

Transforming Spaces:

The Green Journey of Bandar Bukit Raja

As one of the pioneering townships by Sime Darby Property, Bandar Bukit Raja is dedicated to creating a sustainable, green, and resilient community. Through thoughtful sustainability initiatives and innovative design elements, Bandar Bukit Raja stands as a shining example of sustainable urban development.

Our commitment to restoring the natural landscape reflects our dedication to creating a harmonious balance between urban living and nature. This transformation not only enhances the ecological health of the area but also provides a serene and sustainable environment for our community.

Township Area

4,333 acres

THE MALAYSIA BOOK of RECORDS
Largest Recreational Park with Renewable Energy

MLAA19
HONOUR AWARD
PROFESSIONAL CATEGORY
ENVIRONMENTAL & LANDSCAPE MANAGEMENT AWARD

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"Building sustainable townships while nurturing healthy communities and ecosystems should be the way forward for property developments because it would, in turn, inspire residents and the public to care about and protect the environments they are living in, for a better future."

Dato' Seri Azmir Merican
Group Managing Director

Variegated Green Skimmer

Total Green Area

270 acres

Common Green Frog

Total Blue Area

130 acres

Little Heron

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Cultivating Well-Being:

Green Spaces & Recreational Amenities

The expansive green areas within the Townpark offer a tranquil retreat for relaxation and recreation. These lush spaces are essential for maintaining ecological balance and elevating the township's overall aesthetic appeal. Complementing these green spaces are a variety of recreational amenities, including playgrounds, picnic areas, lakes, wetlands, and beautifully landscaped gardens.

Together, these features create a harmonious and sustainable environment, encouraging an active and healthy lifestyle for all.

Wetland Townpark

Legend

1. Driveway And Parking
2. Festival Plaza
3. Fitness Walk
4. Celebration Plaza
5. Fun Park
6. Healing Walk
7. Purify Corridor
8. Rintik Pond
9. Entrance Promenade
10. Stage On The Park
11. Open Lawn
12. Township Signage
13. Serene Wetland
14. Experiential Linkages
15. Wetland Pavilion
16. Oyen Sanctuary
17. Lepironia Shelter
18. Parking
19. Football Field
20. Wetland Wonder
21. Rain Garden
22. Community Urban Farm

BBR Township is built on the principles of sustainable development, prioritising health and well-being, clean water, resilient communities, and the preservation of natural ecosystems.

Wetland Townpark

Cultivating Well-Being:

The Bioindicators of a Healthy Ecosystem

The Townpark's diverse ecosystem supports key biodiversity indicators. Aquatic plants provide surfaces for microbes and bacteria, helping to break down pollutants in the water. Their roots stabilise soil beds and slow water flow, facilitating sedimentation and nutrient absorption. The variety of bird species reflects the health of urban wetlands, aiding in pollination, seed dispersal, and natural pest control. Dragonflies and damselflies, sensitive to habitat changes, serve as bioindicators of water quality. Frogs and toads thrive in small buffer zones and aquatic vegetation, which offer crucial habitats and connectivity while naturally controlling algae and insect populations.

57 *Bird species identified, including the Striated Heron and the Great Egret.*

Great Egret

18 *Species of dragonflies and damselflies identified.*

Common Scarlet

4 *Species of frogs and toads.*

Common Green Frog

Collaborative efforts with experts to ensure a higher success rate in achieving these goals. Their expertise helps create suitable environments for biodiversity indicators such as migratory birds, frogs, and dragonflies, ensuring the ecosystem is effectively supporting these species.

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EcoBalance:

Leveraging Green Ecosystem Services

Tree2Tree Concept

The Tree2Tree concept focuses on planting a diverse range of tree species to enhance the ecological resilience of the township. This initiative helps create a robust and diverse ecosystem.

Multi-Species Planting

Planting multiple species of trees and plants ensures a balanced ecosystem and supports various wildlife habitats. Native and IUCN-listed species are prioritised to preserve local biodiversity.

Javan Pond Heron

FLORA
Includes various native plant species such as Tube Sedge, Common Reed, Bog Bulrush, and Cattail.

7,330 Trees — *Total Number of Trees Planted.*

160 Species — *Total Number of Tree Species Planted*
17 % are IUCN-listed trees.

Safeguarding the Community:

Stormwater Management & Flood Control

BBR is committed to enhancing resilience through innovative, nature-based stormwater management solutions. The Townpark serves as a prime natural floodplain, effectively managing and absorbing rainwater to improve water quality and restore balance to the local ecosystem. This approach complements the broader stormwater strategies across Bandar Bukit Raja, helping to protect the surrounding areas and strengthen the community's connection with nature.

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Water Sensitive Urban Design (WSUD)

WSUD principles are applied throughout the township to manage stormwater and reduce flood risks. These include natural swales, retention ponds, and permeable surfaces that allow water infiltration.

Wetland Townpark

Pocket greens and wetlands play a crucial role in managing stormwater while also enhancing urban biodiversity. These areas serve as habitats for various flora and fauna while also acting as natural water filtration systems.

Sustainable Stormwater Management System

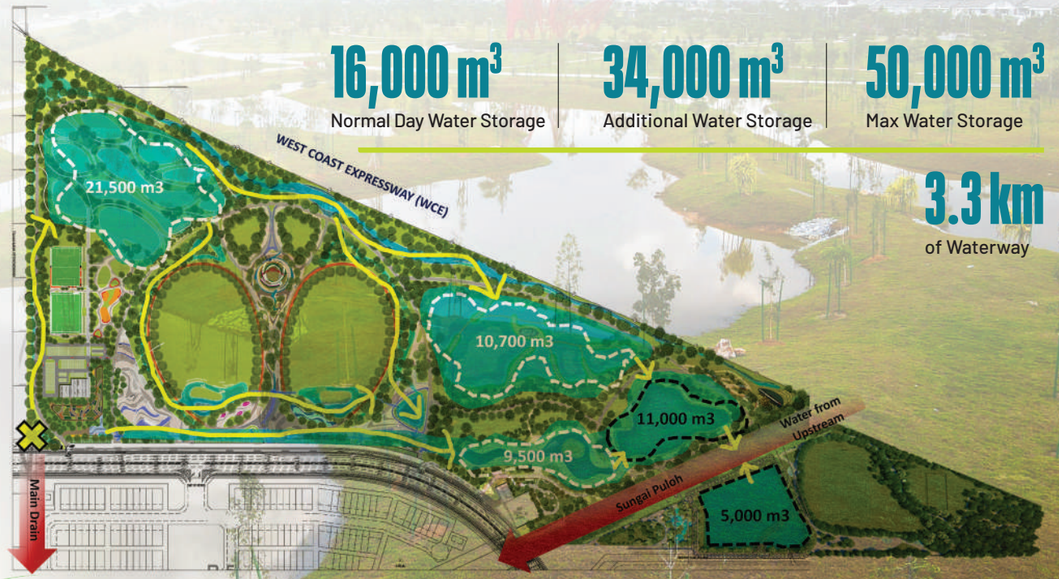
Sustainable stormwater systems, such as meandering swales and bioretention ponds, are employed to manage stormwater effectively. These systems not only mitigate flooding but also enhance groundwater recharge and biodiversity.

Re-route
Excess water is diverted via openings in the drainage system into the wetlands.

Retain
Wetlands will retain the excess water capacity.

Restore
Bringing back a resilient ecosystem with rich biodiversity in the wetlands to enhance natural water filtration processes.

Release
Controlled release of water back into the drainage system once the surrounding water levels subside.



Embracing Sustainability :

Innovations for a Greener Future

Bandar Bukit Raja is dedicated to integrating sustainable innovations that create a greener, more efficient urban environment. These efforts enhance residents' quality of life, foster a sense of community, and promote environmental stewardship.

Urban Farming

Urban farms within the township provide fresh produce, promote local agriculture, and enhance green spaces. Residents benefit from community participation, education on sustainable agriculture, and a strengthened sense of community.

Total Urban Farm Area | **0.5** acres

Number of Crops Harvested | **5-20 kg** Monthly

Solar Power

Solar panels installed across key areas reduce reliance on non-renewable energy sources, lower the carbon footprint, and promote renewable energy usage. These initiatives involve residents in renewable energy projects, raise awareness about sustainable energy practices, and create green jobs.

Total Solar Power Capacity | **21.68** kW

Number of Solar Panels Installed | **251** Units

LED Lighting

LED lighting for streetlights and public areas increases energy efficiency, reduces electricity consumption, and provides better lighting quality. This improves public safety, enhances night-time visibility, and reduces energy costs for the community.

Total Number of LED Lights Installed | **284** Units

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Towards a Sustainable Future

Bandar Bukit Raja has made significant strides in creating a sustainable and resilient community. The township's green and blue infrastructure, renewable energy initiatives, and community engagement programs have set a benchmark for sustainable urban development.

Future Goals: SDP Development Goals 2030

Looking ahead, Bandar Bukit Raja aims to further enhance its sustainability efforts by achieving the SDP Development Goals 2030. These goals include expanding green spaces, increasing renewable energy usage, and promoting sustainable living practices among residents.

" Focus on reviving biodiverse green spaces, renewable energy usage, and promoting sustainable living practices as part of SDP Development Goals 2030. "

Scan here to connect & discover more.