

Rainforest Wild Adventure East



Developer

Mandai Wildlife Group

Architect

Ar. Toh Sze Chong
DP Architects Pte Ltd

Project Details

Rainforest Wild Adventure is Asia's first adventure-based wildlife park, where adventure and wildlife come together to spark a deeper appreciation for the natural world. It spans 20 hectares across two separate zones located in the east and west of the Mandai Wildlife Reserve, Singapore's wildlife and nature destination.

At seven hectares, Rainforest Wild Adventure East reflects landscapes and animal habitats inspired by Afro-Tropical regions and Madagascar. Visitors are invited to choose their own level of exploration, from strolling along wide and sheltered walkways that meander through the park to enjoying accessible yet fun Adventure+ activities (experiences with varying thrill levels) such as Canopy Glider, an aerial ride that weaves through the trees, and Ravine Swing, an adrenaline-pumping plunge from 8 metres high.

The East zone is also home to Crocodile Lodge, one of two permanent glamping sites in the Mandai Wildlife Reserve offering all-inclusive overnight stays. Its 20 safari-style tents include wheelchair-accessible options, with each tent accommodating up to 4 pax. The glamping site is well-suited for families, couples and friends seeking short getaways or team bonding retreats. A large communal area hosts camp activities while family-friendly shared bathroom facilities provide a comfortable space for parents and young children aged 3 and above.

Features

Inclusive Arrival and Connectivity

- The park entrance is seamlessly connected from Mandai Wildlife East's drop-off and pick-up point and transport hub, via wide sheltered pathways.
- Complimentary wheelchairs are available at Mandai Wildlife East for guests with disabilities or elderly guests, while wagons can be rented at the entrance of the park for families with young children.

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Wheelchair and Pram-Friendly Circulation

- The sheltered elevated walkway maintains a gentle 1:25 gradient throughout, with mesh sides that offer unobstructed views of animal habitats and lush greenery – ideal for young children, stroller users, and wheelchair users at a lower eye level.
- Shelters are made from a translucent material that helps mitigate solar heat gain while allowing light to pass through, preserving views of the park's surroundings.
- Intuitive wayfinding through visual cues, colour zoning, and clear sightlines to key amenities guides visitors along continuous, barrier-free routes, with kickrails to assist visually impaired guests.

Universally Accessible Adventure+* Activities

- With input from Disabled People's Association, the Canopy Glider ride vehicle was refined to accommodate wheelchair users, with seats modified to have removable side guards and armrests. Trained staff could also be on hand to assist with boarding and disembarking using a portable side-access ramp. To complement the ride experience, in-vehicle audio narration describes the animal habitats below, offering helpful cues for all guests, including those who are visually impaired.
- The Ravine Swing, an 8-metre plunge and swing, is one of the park's most exciting activities. It is also designed to accommodate guests with physical disabilities who have an appetite for adrenaline.

**To participate in these activities, guests will need to satisfy criteria to ensure they are in good health. Guests should seek medical advice if uncertain.*

Inclusive Interpretives and Wayfinding

- Interpretive signage is paired with life-sized, anatomically accurate animal sculptures, and audio features that play each species' call. These features engage different senses, allowing visitors of all abilities to connect and appreciate the unique characteristics of wildlife.
- Directional signages feature Braille translations, enabling visually impaired guests to navigate the wildlife park independently.

Family-Friendly and Inclusive Amenities

- Three outdoor play areas are evenly distributed across the park, alongside two indoor air-conditioned interpretive areas for respite from the tropical weather.
- The Log Playground features an inclusive bucket swing that can be used by children of different physical abilities with parent or adult supervision.
- Four air-conditioned nursing rooms are located across the park - at the entrance and adjacent to Rangers Retreat, the park's African-themed restaurant. Each is equipped with an armchair, a changing table, and a water dispenser with warm water.

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- Frequent sheltered rest stops and benches with armrests are generously distributed throughout the park. Guests are encouraged to bring reusable bottles and refill at water stations to stay hydrated.
- An accessible changing room in the park is equipped with adult changing tables to help caregivers safely assist with personal care needs. Similar accessible changing rooms are available throughout the Mandai Wildlife Reserve, having been included as part of the precinct's rejuvenation plans.

Enabling Village Extension (Vista Building)



Developer

SG Enable Ltd

Architect

Ar Phua Hong Wei
WOHA Architects Pte Ltd

Project Details

Enabling Village (EV) has been a landmark of inclusive community design since its opening in 2015, earning the BCA Universal Design (UD) Mark Platinum in 2016.. The Vista extension, completed in October 2025 and officially opened by the Prime Minister in December 2025, represents the next chapter of this journey — a vertically stacked village that deepens EV's commitment to UD while extending its physical and social reach into the surrounding neighbourhood.

Located at 22 Lengkok Bahru on a curved 110-metre plot between two schools, Vista is a 4-storey extension that connects the rustic Redhill neighbourhood to the busy Jalan Bukit Merah belt. By lifting the building to create a sheltered Village Plaza at ground level — complete with a landscaped garden slope, amphitheatre, and timber-clad pavilions — the design creates a 750-metre sheltered accessible linkway from Redhill MRT to Jalan Bukit Merah via the Village. The extension's 2nd storey connects horizontally to the existing Enabling Village ground level, stitching the two precincts seamlessly together.

Internally, Vista houses the Enabling Academy, an inclusive learning environment for post-18 vocational training, and i'mable Collective Space, a multi-purpose space for retail, exhibition, F&B, and community gathering. Universal design principles are embedded throughout — from wide-capacity lifts and spacious corridors to fully accessible washrooms with height-adjustable basins and changing facilities at designated levels. Dedicated calm rooms with pastel-coloured padded walls, dimmable lighting, and sensory chairs provide safe retreats for users who need them.

Alongside Vista's construction, SG Enable commissioned a user experience study to refresh the broader Enabling Village experience. This culminated in a comprehensive renewal of programming, branding, and wayfinding across the entire campus, including the introduction of the Enable Lane with wayfinding totems, restored building murals, and a 62-metre community mural titled "Garden of Possibilities" co-created by over 650 community members

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— including persons with disabilities, caregivers, students, and nearby residents — in commemoration of EV's 10th Anniversary and SG60.

Features

Seamless Neighbourhood Connectivity

- Vista creates a 750-metre sheltered, barrier-free linkway connecting Redhill MRT to Jalan Bukit Merah, with the building's 2nd storey connecting directly to the existing Enabling Village at ground level for seamless movement across the entire campus
- The sheltered linkway extends to the bus stop along Jalan Bukit Merah, ensuring all-weather accessibility for commuters and wheelchair users
- The Village Plaza features an accessible amphitheatre connected to garden ramps that overcomes the existing slope to accommodate wheelchair users and visitors of all mobility levels

Universal Design Throughout Vista

- All storeys are served by wide-capacity lifts with large buttons, tactile labelling, and audio cues exceeding minimum accessibility requirements.
- Spacious corridors on every floor and sensor-operated doors support independent navigation for wheelchair users, mobility aid users, and families with strollers
- All washrooms are fully accessible and exceed minimum size requirements. Washrooms on the 1st and 2nd storeys also feature changing facilities and height-adjustable basins to support users with diverse mobility needs.

Inclusive Learning and Community Spaces

- Enabling Academy classrooms are equipped with hearing enhancement systems, movable partitions, and configurable furniture, enabling seamless transitions between different learning and training configurations.
- Dedicated calm rooms with padded walls, dimmable lighting, and sensory chairs provide safe retreats for users who need a quieter, lower-stimulation environment
- The Garden Amphitheatre and Garden Terrace are fully accessible, with the terrace featuring an accessible slide and pavilions for inclusive outdoor recreation

Intuitive Wayfinding for All Users

- The Enable Lane — a colour-contrasted pathway with roughened tactile surface — establishes a clear north-south axis through the Village, enabling intuitive navigation for all users including those with visual impairment
- Totems at building entrances display layouts, tenant information, and amenities; at the drop-offs, larger totems integrate digital displays with adjustable colour, size, viewing height.
- All touch and feel features were developed through extensive consultation with the visually impaired community

Family-Friendly and Inclusive Amenities

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- Accessible washrooms include child-friendly urinals and integrated hand-washing and drying systems
- Accessible and family parking lots are located near lift lobbies, with comfortable rest areas and varied seating distributed along public spaces and walkways throughout the Village
Seats are thoughtfully placed along common spaces and walkways, with charging points and grab bars, providing convenient opportunities for rest and respite.

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Great World Mall



Developer

Allgreen Properties Limited

Architect

Ar. Ng Meng HuiRSP Architects
Planners & Engineers (Pte) Ltd

Project Details

Great World is a mixed-use development comprising a retail mall, office tower, and Great World Residences, strategically integrated within a mature residential precinct and well-connected to surrounding developments and public transport networks. Following a S\$80 million Asset Enhancement Initiative (AEI) completed in 2020, the mall underwent further enhancement in 2023 to build on its transformation and strengthen its vision of creating a seamless "living in one location" experience through the integration of retail, residential, and workplace environments.

The AEI was guided by three core principles: family-centric design, community integration, and universal accessibility and inclusivity. The design prioritises accessibility, intuitive wayfinding, comfort, and seamless connectivity, creating a more inclusive, accessible and welcoming environment for users of all ages and abilities - including families with young children, seniors, and persons with mobility needs.

The development plays an active role in integrating the surrounding urban fabric. In collaboration with the Land Transport Authority (LTA), the mall provides 24/7 step-free public access through basement linkages and a pedestrian overhead bridge, enabling seamless and sheltered connections between adjacent residential developments and the MRT station. Plans are also underway to extend these connections to upcoming developments Promenade Peak and Zyon Grand through fully sheltered linkways.

Following the AEI, the mall has seen a notable increase in shopper traffic, reflecting its successful transformation into a more inclusive, accessible and well-connected community destination that enhances everyday experiences and brings together residents, families and visitors.

Features

Inclusive Arrival and Accessible Connectivity

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- Three accessible entrances serve the mall, with entrance driveways widened and designed with gentle gradients. Framed façade openings at key drop-off zones act as distinctive visual markers, enhancing wayfinding and creating a clear sense of arrival for all visitors.
- Dedicated family and accessible parking bays are strategically located near car park lift lobbies, supported by clear signage and vibrant colour coding for easy identification. Wheelchair rental services are available at the Customer Service Counter.
- In collaboration with LTA, 24/7 step-free connections link the mall to the MRT via basement linkages and to adjacent residential developments via a pedestrian overhead bridge, with additional ground-level entries further strengthening connectivity within the surrounding precinct.

Inclusive Circulation and Wayfinding

- Widened circulation pathways throughout the mall enable smooth, barrier-free movement for wheelchair users, families with strollers, and elderly visitors. Multiple lift lobbies provide flexible vertical circulation options, with escalators repositioned towards the central atrium to improve visibility and spatial orientation.
- A large multi-level event atrium serves as a visual anchor, providing strong visual connections across floors and enabling intuitive orientation for all users. Clear visual corridors, colour zoning, and consistent signage with pictograms work together to support intuitive navigation and reduce reliance on any single wayfinding element.
- Interactive digital directories with animated navigation and wheelchair-accessible viewing functions are complemented by staffed information counters designed at accessible heights, providing clear and inclusive assistance throughout the visitor journey.

Comfort and Elderly-Friendly Design

- Resting nodes with seating and backrests are provided at key locations including drop-off areas and circulation nodes, supporting elderly users and caregivers throughout their journey. Additional seating with grab bars is being planned at both main entrance drop-off points.
- The calming, warm timber-toned environment helps create a comfortable and welcoming atmosphere, with adequate lighting, contrast in material finishes, and minimised clutter applied throughout to improve spatial clarity and safety.
- Aromatic features at selected lingering spaces such as entrances and lift lobbies promote a sense of calm, enhancing the overall sensory experience for all visitors.

Family-Friendly and Inclusive Amenities

- An outdoor playground "Great World Playland" features bespoke play elements including a metal tube slide, climbing nets, and trampoline tunnels, alongside a green rooftop terrace with child-friendly seating and playful elements, providing welcoming spaces for families to play, gather and interact.
- Additional child-friendly amenities include an arts area, low-height arcade machines, and vending machine stations designed to cater to children of varying ages, heights, and abilities including wheelchair users.

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- Three nursing rooms are distributed across Basement 1, Level 1, and Level 2, each designed with a bright and cheerful ambience and equipped with diaper changing stations and drinking facilities for caregivers and infants.
- 15 diaper changing stations are distributed across all levels of the mall, exceeding the required number, ensuring convenient access for families throughout their visit.

Harmony Village @ Bukit Batok



Developer

Housing & Development Board
(HDB)

Architect

Ar. Ng Hoe Theong
AGA Architects Pte Ltd

Project Details

Jointly offered by the Ministry of National Development, Ministry of Health and Housing & Development Board, Harmony Village @ Bukit Batok is Singapore's first Community Care Apartment (CCA) project that integrates senior-friendly housing with care services that can be scaled according to residents' needs.

Completed in October 2024, Harmony Village @ Bukit Batok incorporates thoughtful senior- and dementia-friendly features that support safe and independent living. Each CCA unit comes with pre-installed senior-friendly fittings and finishes, such as wide wheelchair-accessible entrances and bathrooms with slip-resistant flooring and grab bars.

To help residents navigate the development, there are colour-coded wayfinding features and distinct motifs on each floor. A key innovation of the project is the transformation of storey shelters into dual-purpose spaces that serve both as shelters and communal spaces, encouraging residents to interact and connect with their neighbours. An accessible pedestrian thoroughfare on the ground floor provides seamless connectivity to nearby amenities, including Bukit Batok West Hawker Centre.

Harmony Village @ Bukit Batok represents a new assisted-living housing model in Singapore, demonstrating how thoughtful and inclusive design can empower seniors to live independently, while remaining active and connected within the community.

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Features

Dementia-Enabling and Senior-Friendly Design

- Colour zoning across residential floors and contrasting fixtures improve navigation and spatial recognition. Each floor cluster is assigned a distinct colour and thematic icon, enabling residents to identify their level intuitively without relying on memory alone.
- A dark grey tile band guides residents from the drop-off porch to the lift lobby, letterbox, and communal living room, providing a clear and intuitive wayfinding route throughout the development.
- Continuous grab bars along corridors, seating provisions at lift lobbies on every floor, and intuitive layouts reduce fall risk and support independent living for elderly residents.
- Unit numbers have been enlarged and positioned at a lower height for easier viewing

Community Care Apartment Design

- Colour-contrasted grab bars, lowered counters, and built-in seating at entrances and bathrooms provide both usability and dignity for seniors with varying mobility needs.
- Each unit has a wide wheelchair-accessible main door with built-in bench, grab bar and utility hook at the entrance.
- Bathrooms feature foldable shower seats, slip-resistant flooring, and a service yard that keeps the space naturally lit and dry. A full-height sliding panel allows residents to flexibly separate the living and bedroom spaces.

Communal Spaces and Social Life

- Transformation of storey shelters into dual-purpose spaces that serve both as shelters and communal spaces for residents.
- Themed communal spaces – including gardening, dining, exercise, arts and crafts and reading rooms – providing varied and meaningful spaces for residents to gather and engage.
- The family-friendly hawker centre features colour-zoned flooring to aid navigation, and caters to multi-generational users through safer, more accommodating dining spaces.
- The 3rd storey roof garden offers a foliage garden, rain garden, butterfly garden, trellis walk, reading corner, viewing deck, elderly fitness area, children's playground, and community garden. Raised planters are designed for wheelchair users, enabling accessible interaction with greenery.