



HOW ARE
OUR PEOPLE
POWERING OUR
PROGRESS?



Soloing in Singapore,
gaining LTA's trust

Eyes on Australian
energy transmission

Road, rail,
marine bridges

Investor confidence
in Vietnam

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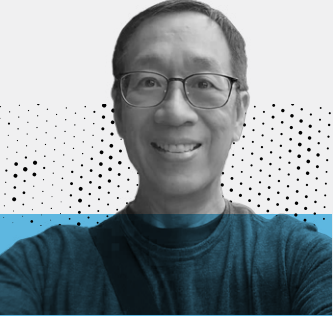
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Featured Contributors



WONG CHONG LING

With a career journey dominated by design and technical roles, his progression into Gamuda's design and technical team was a natural fit. Passionate about interior design, his endeavour to nurture this innate interest is now consumed by daily routine activities. In spite of it all, he continues to find delight in it!



YII HING

Since joining Gamuda Naim Engineering and Construction in 2007, he's had fascinating work experience from Electrified Double Track Project to Klang Valley Mass Rapid Transit, Pan Borneo Highway, and now Batang Lupar Bridge No. 2. He enjoys meeting new people each time he comes into a new project and is looking forward to completing this spectacular bridge and many more to come.



SHAIKH ABDUL HAFIZ GANI

Over 30 years of specialising in tunnelling and mega infrastructure projects. Since joining Gamuda, he has significantly contributed to tunnelling in Singapore. He's an ardent golfer and a road cycling enthusiast.



LOH YUE VERN

Born and raised in KL, she spends her time either playing badminton, binge-watching Netflix or looking for flight tickets for her next holiday. Almost completing her fourth year in Gamuda Land, she's a firm believer that meetings shouldn't last longer than her laptop battery or her bladder.

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Gamuda Berhad's quarterly internal newsletter, RISE, compiles content from Workplace's weekly posts and showcases events from our regional offices. The upcoming issue will be released in October 2024. You can pick up a print copy at the Group Corporate Communications and Sustainability (GCCS) Department on Level 13, Menara Gamuda, or read the online edition at rise.gamuda.com.my.

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SINGAPORE VICTORY! THE WINNING FORMULA

DATO' UBULL DIN OM REFLECTS ON THE SINGAPORE TEAM'S SUCCESS

Amidst the echoes of triumph following our victory in Singapore, a new chapter unfolds as we converse with Dato' Ubull Din Om, the man behind these successes.

Seated comfortably, Dato' Ubull, the project development maestro who was pivotal in securing recent overseas projects, shared his reflections. **"Our journey in Singapore, spanning eight years since our establishment in 2016, reached a turning point in 2019," he began, revealing the three-year wait before winning the Gali Batu Multi-Storey Bus Depot project awarded by the Singapore Land Transport Authority (LTA).**

"This win was truly momentous, not just for the project itself but for the trust and recognition gained from the LTA," Dato' Ubull continued. Yet, he acknowledged the joint venture nature of the triumph, underscoring the anticipation of the day when Gamuda could stand independently in the host country. Fate, however, intervened when our partner ran into financial difficulties, propelling us into the limelight to carry on the work, a fortuitous twist of destiny.

Fast-forward to 2022, we secured the Defu Station and Tunnels, MRT Cross Island Line (Phase 1) project in collaboration with a local partner, followed by an independent triumph in 2023 - West Coast Station and Tunnels, MRT Cross Island Line (Phase 2). Dato' Ubull illuminated the formula behind the success: "Meticulousness and calculated risks have been our guiding principles in Singapore. The scrutiny of our performance in the Defu Station and Tunnels project, coupled with site visits focusing on Centralised Labour Quarters (CLQ) and safety best practices, solidified the LTA's confidence in Gamuda's capability to deliver even when going solo."

"Our winning strategy is deeply rooted in technology and innovation," Dato' Ubull emphasised, referring to the adoption of the autonomous tunnel boring machine (TBM) and Building Information Management (BIM) technologies in past projects. The strides we have made in digitalising records

and reporting not only impressed the Singapore clients but also enhanced overall efficiency. **"Timeliness and quality are non-negotiable; they form the bedrock of our strength,"** he added.

Reflecting on the importance of leadership, Dato' Ubull noted, "It was crucial for us to assemble the right team." Eileen Teo leads the business and commercial section, while Toh Seng Kah manages projects in Singapore. The design team, led by Lee Seng Hoor and Wong Keam Tong, complements the ensemble of 95 individuals, including Singaporeans and Permanent Resident (PR) holders, diligently managing our projects in the country.

"The journey has not been without its challenges. Intense scrutiny by the LTA, Building and Construction Authority (BCA), and various consultants demands our meticulous attention," Dato' Ubull accentuated. In a highly competitive landscape with rivals from China, Korea, Japan, the Netherlands, and beyond, maintaining efficiency becomes paramount.

"To avoid cost overruns, our efficient team, led by the capable Eileen Teo, manages the supply chain with finesse," Dato' Ubull affirmed. With 13 tenders participated, three successfully won, and 11 waiting to happen, the total number of projects in the pipeline amount to a staggering RM15 billion. Anticipating a bustling 2024 as well, Dato' Ubull encapsulated his driving force, stating, "The thrill of tendering for jobs and navigating the intricacies of our operations keeps me going."

At its heart, the narrative of Gamuda in Singapore is not just a tale of triumphs but a saga of resilience, innovation, and the relentless pursuit of excellence. As the future beckons with tender opportunities on the horizon, the promise of continued success and unwavering commitment remains at the forefront of Gamuda's journey.



"This win was truly momentous, not just for the project itself but for the trust and recognition gained from the Land Transport Authority (LTA)."

*Dato' Ubull Din Om
Executive Director,
Gamuda Engineering*

GOING BEYOND BLUEPRINTS

In conversation with our West Coast Station and Tunnels project team.

Shaikh Abdul Hafiz Gani
Senior Tunnel Manager,
Gamuda Singapore

His journey with Gamuda Singapore commenced alongside the Defu Station and Tunnels (CR111) project inception in 2022. His involvement during the design phase of the project provided him with the opportunity to contribute and optimise his tunnelling expertise for the West Coast Station and Tunnels (CR209) tender.

How has the tunnelling team contributed to the CR209 project?

The tunnelling team's involvement begins even before tunnelling commences. During the design process, we ensure precise TBM specifications. Our pitch to the LTA showcased our technological prowess and instilled confidence in Gamuda's capabilities.

In the simplest way of describing it, what does a tunnel manager do?

A tunnel manager ensures seamless operations when tunnelling begins. This involves transparent budget considerations, meticulous procurement, logistical planning, risk mitigation and adherence to specifications. Additionally, we oversee project scheduling, manage stakeholder communications, ensure compliance with regulatory requirements, and coordinate with various teams and contractors. Finally, when the tunnelling works start, we must execute the construction works efficiently without compromising safety.



[L-R] Daphne and Shaikh share a strong working relationship, and their combined expertise in tunnelling and design, respectively, is crucial for ensuring the efficient delivery of CR111 and CR209 projects.

What made our proposal stand out during the tender process, enabling us to secure CR209 as our first independent venture in Singapore?

Three factors – First, we successfully minimised the number of traffic diversions to just one, reducing public's inconvenience. Second, we can use our digital capabilities, such as the Autodesk Construction Cloud (ACC) system to improve project efficiency. Thirdly, additional enhancements to the TBM design, such as Horizontal Sonic Probing (Advanced Geological Forecasting System) and Cutter Disc Load and Temperature Monitoring System, were incorporated to address the challenging ground conditions.

Describe a key moment where collaboration between the design and tunnelling teams led to a better outcome?

During the segment design phase, we identified an issue with high steel reinforcement levels. Through various simulations with the design team and adjustments to concrete properties,

we successfully reduced the required rebar. Additionally, our tunnel route passes beneath two HDB blocks (public housing). During foundation investigations, we discovered that one lift shaft pile was dangerously close to the tunnel alignment despite initial assessments during tender stage indicating adequate clearance. With confirmed results, our design team promptly facilitated a realignment, streamlining construction and enhancing cost efficiency.

Daphne Yip Lin Fun
Senior Design Manager,
Gamuda Singapore

Originally stationed at Gamuda Singapore Branch Office, she was later transferred to lead the design team for the CR111 project with her expertise. During the tender stage of CR209, she was assigned as the project's Design Manager. Currently, her primary focus is on the design and build of C209 while overseeing CR111 as needed.

How did you adapt your design approach to meet Singapore's renowned high standards and regulations?

For CR111, we've completed 60 percent of the design, while CR209 is in the preliminary stage. Singapore's strict regulations involve multiple agencies such as the LTA, BCA and Public Utilities Board (PUB) governing aspects like drainage and sewers. Before initiating any construction, we must undergo rigorous design scrutiny considering the regulatory requirements above as well as by LTA-accredited checkers and final approval of all external agencies including the LTA. This meticulous process, coupled with evolving guidelines, extends our design period to two-and-a-half to three years.

What ensures the success of a design?

Effective communication and coordination among all teams, including the construction and tunnel teams, are crucial for obtaining timely approvals. Understanding the rationale behind our construction methods is essential to executing designs according to our methodology. By fostering clear communication and working towards our plans, we can minimise the need for repeated amendments in our submissions which causes time and cost implications.

How do the design elements align with Singapore's vision and long-term urban development plans?

As the master planner for land use in Singapore, the Urban Redevelopment Authority (URA) holds significant sway in project approvals. We ensure the station layouts fit within the envisioned urban landscape with considerations that the station and tunnels must be designed in a "fit for purpose" manner as well. This includes considerations such as space requirements and pedestrian connectivity. Additionally, achieving Green Mark status is crucial and required by the LTA and BCA. Therefore, our design considerations prioritise environmental sustainability, employing features like green concrete and energy-efficient ventilation systems.

Reflecting on your journey on CR111 and CR209 thus far, can you share a challenging yet rewarding moment?

One notable instance in CR111 was when we encountered a significant challenge with an existing 230kV power cable above the station entrance. Initially, our proposed pipe roofing scheme raised concerns about its potential risks due to underground obstructions. After a thorough review, we explored alternative methods, such as conventional diaphragm walls, to ensure the station's entrance excavation integrity while supporting the cable.

This process involved extensive coordination with the utility agency, subcontractors and the construction team over five months. Ultimately, our revised scheme was approved by the relevant agencies and the LTA, underscoring the importance of maintaining the safety of critical infrastructure.



DEFU STATION AND TUNNELS, MRT CROSS ISLAND LINE (PHASE 1) PROJECT UPDATES

Completed:
- Noise barrier erection
- Traffic diversion stage 2

Ongoing:
- Construction of diaphragm wall
- Construction of bored piling work
- Launching shaft and cut and cover (LSCC) struttred excavation

Our Other Projects in Singapore



Gali Batu Multi-Storey Bus Depot – Construction work is on track for completion in the fourth quarter of 2024.



OLÁ – Completed in 2024 and fully sold out.



GEM Residences – Completed in 2020 and fully sold out.

AMONGST ASIA'S MOST HONoured

Institutional Investor
2024 ASIA (EX-JAPAN) EXECUTIVE TEAM
MOST HONoured COMPANY
GAMUDA

GAMUDA RANKS TOP 3 INDUSTRIALS OVERALL BEST COMPANY IN ASIA BY II RESEARCH

Institutional Investor Research (II Research) has ranked Gamuda among the top three best Asian companies in the Industrials (including Infrastructure) sector in the 2024 Asia Pacific (ex-Japan) Executive Team.

We were also named among the Most Honoured Companies for the Rest of Asia (one of only two Malaysian companies to accomplish this feat) after achieving the top three rankings in four of six categories – **No. 2 for Chief Executive Officer, No. 2 for Environmental, Social and Governance, No. 1 for Investor Relations Professional, and No. 3 for Overall Investor Relations.**

II Research is a leading global independent performance and qualitative market intelligence provider. Its survey seeks opinions from senior executives in corporations, fund management groups,

and securities firms to develop rankings based on qualitative attributes related to research, sales, trading, investment banking, and investor relations. It is the Gold Standard for such surveys globally.

This year's survey reflects the opinions of 5,894 investors, portfolio managers and analysts from 1,388 global firms, ranking Gamuda among the top peers in this sector alongside Larsen & Toubro and LG Energy Solution.

This outstanding achievement solidifies Gamuda's regional strategic growth across the Asia Pacific market, which has driven its consecutive project victories in Australia, Taiwan, Vietnam, Singapore, the United Kingdom and Malaysia. This showcases the confidence and support we have inspired among global investors and partners.

Thank you to all regional colleagues, who have been instrumental to the Group's success. Let us continue our nearly five decades of winning trajectory on innovation, strategic acumen, human capital and resilience.

[Read The Star article on our outstanding achievement](#)

[Read II Research's 2024 Asia Executive Team Methodology](#)

ENGINEERING CAPABILITIES FOR ENVIRONMENTAL GOOD

In a unique social impact project, 10 Gamuda Australia graduates teamed up to regenerate local flora and fauna in Western Sydney, gaining real-life conservation experience. It enabled the graduates to discover their purpose in work by channelling their engineering capabilities towards creating a positive impact on the environment.

The innovative project was designed in partnership with the Deerubbin Aboriginal Lands Council (LALC). Leading the programme was LALC's Senior Conservationist, Kayne Moreton, who kicked off the week with a visit to a sacred Aboriginal area called "The Rock and The Tree". He shared the Indigenous approach to conservation and held a traditional Aboriginal smoking ceremony for the participants.

Over the course of the week, the graduates designed and built 30 unique habitat prototypes, and planted seedlings. This included:

- Bee Hotels to attract native bees, which will pollinate the threatened native species of fauna spread throughout the area.
- Bird Boxes as nests for kookaburras to rejuvenate the bird population.
- Special PVC Bird Boxes to attract cockatoos back to the area, which will help rejuvenate the local flora and fauna.
- Planted 400 native seedlings donated by Gamuda, further enhancing the restoration of the local ecosystem.

"It's been a huge effort, and we're so proud of our graduates who have been the champions of Gamuda's commitment to sustainability and conservation. We hope this project has set them up to make a positive impact as they begin their career in our industry."

Rebekah Pluijmers
Senior Training and Development Advisor,
Gamuda Australia



This project also plays an important role in Gamuda's reconciliation journey, which aligns with our Reconciliation Action Plan and Seeds of Growth sustainability framework.

Gamuda Australia's Graduate Programme has gained momentum since its launch in 2023. As graduates develop the skills needed to launch their careers, it also gives them the opportunity to make a positive change in the world at the start of their journey.



TARGETING AUSTRALIA'S CLEAN ENERGY TRANSITION

Gamuda Australia has teamed up with Rohas Tecnic Berhad (Rohas) to exclusively bid for and build transmission projects in Australia, connecting renewable energy to the national grid.

The Australian Government has set a target to achieve 82 percent of renewable electricity generation by 2030. It is estimated that ahead of achieving this target, there is currently AU\$53 billion worth of transmission projects approved, earmarked, or in planning nationally.

Head of Energy, David May said the teaming agreement with Rohas is a key part of Gamuda's energy market entry strategy, as it provides a turnkey solution to take on large-scale energy transmission projects in the country.

"Australia will need to build over 10,000km of new transmission lines to connect renewable energy generation to our national grid over the coming years as part of our clean energy transition goals,"

"The partnership will combine Gamuda's strengths in local project knowledge, reputation and delivery platform with Rohas' technical expertise, resources and offshore supply chain to satisfy the technical needs and scale of these large-scale transmission projects from the onset," May said.

Rishabh Dev Khaitan, Chief Operating Officer of Rohas Group's HG Transmission (HGPT) said, "This partnership enables us to play a key role in Australia's largest-to-date energy transformation. We see it as an opportunity to advance in our over 20 years of collaborating with Gamuda internationally. It also allows us to leverage Gamuda's substantial local expertise when we set out to successfully execute power transmission projects together."

The Rohas agreement supports Gamuda's strategy to align with international strategic partners to move into the energy sector.

Rohas is a leading Malaysian supplier of turnkey solutions for transmission networks. Through its subsidiary HGPT, Rohas is an established international specialist that has delivered 4,700km of transmission networks and infrastructure projects across 11 countries with a capacity to supply 42,000 tonnes of transmission towers annually, alongside an approved standardised tower design database and in-house design team.



The teaming agreement allows us to provide a ready-to-go and de-risked solution for large-scale transmission projects.



DT INFRASTRUCTURE SCORES AUSTRALIA'S LARGEST SIGNALLING PROJECT

The AD Alliance, a collaboration between DT Infrastructure and rail manufacturer Alstom Transport, has been chosen as the preferred proponent for Perth's METRONET High-Capacity Signalling (HCS) project.

Led by Rail Systems Engineering and supported by the team in Western Australia, this project marks a significant milestone for DT Infrastructure. Our success originates from efforts dating back to 2019 to collaborate with Alstom and cement DT Infrastructure's position as a first-class provider in rail systems.

Modern city train in Perth

The HCS project is a remarkable endeavour, standing as the most extensive network-wide signalling project ever undertaken in Australia, enabling the growing city of Perth to upgrade its ageing signalling system and meet the demands expected of a modern city's train service.

It involves upgrading the existing signalling and control systems to an integrated Communications-Based Train Control system. It will optimise the existing rail network infrastructure, enabling increased train frequency while maintaining a superior level of reliability, safety and efficiency.

The project will be delivered in multiple line-by-line stages to minimise

disruption to train operations. The rollout is expected to be over 10 years, resulting in a metro style rail signalling system with a timetable-free "turn up and go" train service, where trains are controlled by a state-of-the-art system. This project provides long-term multiplier socio-economic benefits.

Next stop – Design and delivery

The contract for the project is expected to be finalised in the coming months. Design and delivery are expected to commence in the second half of the year.

We extend special recognition to every team member involved in the HCS bid. Thank you to everyone for your invaluable contribution, in what was a mammoth effort over many years.

WELCOMING THE NEXT GENERATION OF THE CONSTRUCTION INDUSTRY

Taking a quick break from delivering Australia's most complex road project, the DT Infrastructure team welcomed 30 Year 10 students on-site at the Warringah Freeway Upgrade.

The visit is part of the ongoing collaboration between DT Infrastructure and the University of New South Wales to encourage young people to explore a career or further their education in STEM fields.

Partnering with schools for major projects is essential to provide students

with exposure to real-world applications. This initiative addresses labour shortage while promoting gender diversity for a balanced construction workforce.

The students got an inside look at what it's like to work on a major road project and the different career pathways available to them. Learning directly from current leaders further enriches their understanding.

We received great feedback from the students on how inclusive the site was as we continue to close the gender gap in our industry.



GREEN LIGHT FOR GAMUDA LAND'S 75 LONDON WALL AND FAREHAM TAKES FLIGHT

Our property arm once again pushing the boundaries of design and innovation with two remarkable projects in the United Kingdom and Australia.

75 London Wall, United Kingdom

Workspaces play a role in energising employees and providing a conducive environment for maximum productivity. After all, we spend hours in them from Monday to Friday. That's what we're going for with 75 London Wall – sustainable, best in-class offices that prioritise workers experiences and are shaped by an environmentally-minded ethos.

Our joint venture with Castleforge has recently been given the go-ahead by the City of London planning authorities to redevelop the marquee ESG-inspired building, which was earlier referred to as Winchester House and formerly the UK headquarters of Deutsche Bank.

The granting of full planning consent marks a significant step forward for 75 London Wall. It further solidifies our presence in the United Kingdom property market, where we aim to build a portfolio of real estate investments that deliver compelling returns for our shareholders.

75 London Wall is anticipated to be delivered by Q3 2027

Working with London-based architects Orms, we are designing a distinctive occupier experience that attracts and retains high-talent, high-skilled workers.

“To bring workers back into the office, occupiers will increasingly look for spaces that set them apart from their competitors. We never bought the idea that office working was ‘dead’, and so it is proving as people flock back to Central London,” said Michael Kovacs, Founding Partner of Castleforge.

Our research with Castleforge also shows that demand for new office spaces will be concentrated in luxury amenities and prime locations, as well as the flexibility of shorter leases and providing hospitality for small- and medium-sized companies.

75 London Wall’s capacity will be increased by 40 percent to 688,000 sq ft. Its design will grow into the original architecture by introducing new storeys as stacked layers that subtly change in material and detail as the building rises, to introduce lightness to the top of the structure. This will ensure that the development looks like one building, rather than a traditional building and extension.

Considering the perspectives of the local community, we are incorporating a new cultural event space, in addition to Priors Garden, a green public space designed by the award-winning Andy Sturgeon Design, to pause on an enhanced pedestrian route that links to Austin Friars via a historic city passageway.

“This is the kind of project our cities need: sensitive to context and respectful of the existing grain, while taking advantage of opportunities to improve the building offer, both inside and out,” added Colin McColl, Director at Orms.

KEY FEATURES OF THE GRADE A+ ACCOMMODATION



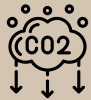
Target BREEAM ‘Outstanding’



Target WELL Core ‘Platinum’



Target NABERS UK 5 Star Design for Performance



Minimisation of whole-life carbon emissions, retaining 89% of existing built fabric



Flexibility of space



Focus on daylight levels

Fareham, Australia

Nestled in the bustling heart of St Kilda, Victoria, Gamuda Land’s AU\$90 million Fareham project has broken ground, marking the beginning of an exciting journey. Teaming up with the family-owned builder, Markscon, Gamuda Land is set to redefine sustainable apartment living in Melbourne while boosting the local economy.

Fareham isn’t just about creating living spaces; it’s about crafting an urban oasis where luxury meets eco-consciousness. Fareham residential development has achieved an impressive 8.0 Star Nationwide House Energy Rating (NatHERS). According to a 2020 report, only five percent of Australian properties were rated 8 stars or higher, making this an incredible achievement for the project and the team involved.

Designed by architects BayleyWard, the homes seamlessly blend traditional elements with modern, energy-efficient features, creating sustainable and healthy living experiences.

Imagine stepping into your future home: the 16-storey Fareham, featuring 73 apartments, powered by an embedded network providing 100 percent renewable energy, including rooftop solar photovoltaic panels. It will also feature electric vehicle charging capabilities, secure bike parks and an onsite bicycle workshop to encourage greener travel options.

Additionally, most apartments will offer breathtaking bay views. With extensive landscaping and greenery by Loci Design Collection, Fareham will provide residents access to a communal garden, a well-being room and a communal rooftop.

Markscon’s outstanding track record and ability to independently execute critical construction elements led to its selection to deliver the project.

“Markscon has helped deliver some of Melbourne’s most boundary-pushing projects, including two Nightingale projects. Both Markscon and Gamuda Land share a vision of creating meaningful and sustainable urban environments,” said Jarrod Tai, General Manager of Gamuda Land Australia.

Set for completion in 2026, Fareham is more than a development; as it takes shape, it emerges as a beacon of innovation and sustainability.

Discover Fareham’s selection of one, two, and three-bedroom apartments today. For more information, contact info@gamudaland.com.au.



Cr Marcus Pearl, Councillor, City of Port Phillip; Nick Readett-Bayley, Director of BayleyWard; Jarrod Tai, General Manager of Gamuda Land Australia; John Marks, Managing Director of Markscon, celebrating a groundbreaking collaboration that promises to set new standards in eco-friendly apartment living in Australia.



The project team participating in a traditional smoking ceremony. This significant ritual, conducted during the groundbreaking ceremony, honours the land and its Indigenous heritage, symbolising a fresh start and cleansing the site for the Fareham project.



EATON PARK IN VIETNAM KICKS OFF WITH A BANG

"The event provided us with invaluable insights into the premium project and equipped us with the necessary tools to effectively promote and sell Eaton Park units. The partnership with Gamuda Land propels us towards a common goal - a shared commitment to excellence and delivering exceptional value to our clients."



Forget the sterile boardroom. This wasn't your average property launch. Our Gamuda Land Vietnam team pulsed with energy as we transformed the launch into a sensory explosion – think booming music, dazzling lights, and the infectious buzz of a stadium concert!

We brought the glitz and glamour of the entertainment world to showcase our crown jewel, Eaton Park, in Thu Duc City, Vietnam.

With more than 2,700 attendees, this event is Gamuda Land's first unique approach to brief 24 biggest property agencies about the latest 'super product' – Eaton Park in the Vietnamese market. This strategic partnership entails a mutual commitment, as evidenced by the requirement for each sales agency

to pay a deposit to Gamuda Land to sell more than 20 units.

Beyond showcasing the commitment and confidence of our sales agents, this launch underscores the high-end and exclusive nature of our properties.

It reinforces our position as a leading developer in Vietnam. As the curtain falls on this spectacular event, one thing is clear: the future of property sales is evolving, and Gamuda Land is leading the charge.

[Watch the kick-off event highlight video](#)



We chose to work with Gamuda Land as it is recognised as one of the Top 5 Best Foreign Real Estate Developers in Vietnam due to its quality and innovative project delivery. Being certified as official distribution agents for Eaton Park further enhances our credibility as property sellers."

Ngo Van Phap
Property Sales Agent,
Vietnam



We have seen our high-end properties in Vietnam snapped up fast within an average of 300 to 400 units a year. With Eaton Park, our sights are set even higher, aiming for a doubled uptake rate compared to the norm.

BOOSTING INVESTOR
CONFIDENCE IN VIETNAM

Our investor relations team brought 14 analysts and fund managers to visit Eaton Park and other key project sites in Ho Chi Minh City (HCMC), including Celadon City.

“Our aim was to highlight the significance of Eaton Park to Gamuda Land Vietnam and the growing importance of the Vietnamese market to the Group, underlining our property strategies here.”



Clarence Boudville
Senior Group General Manager,
Investor Relations, Gamuda Berhad

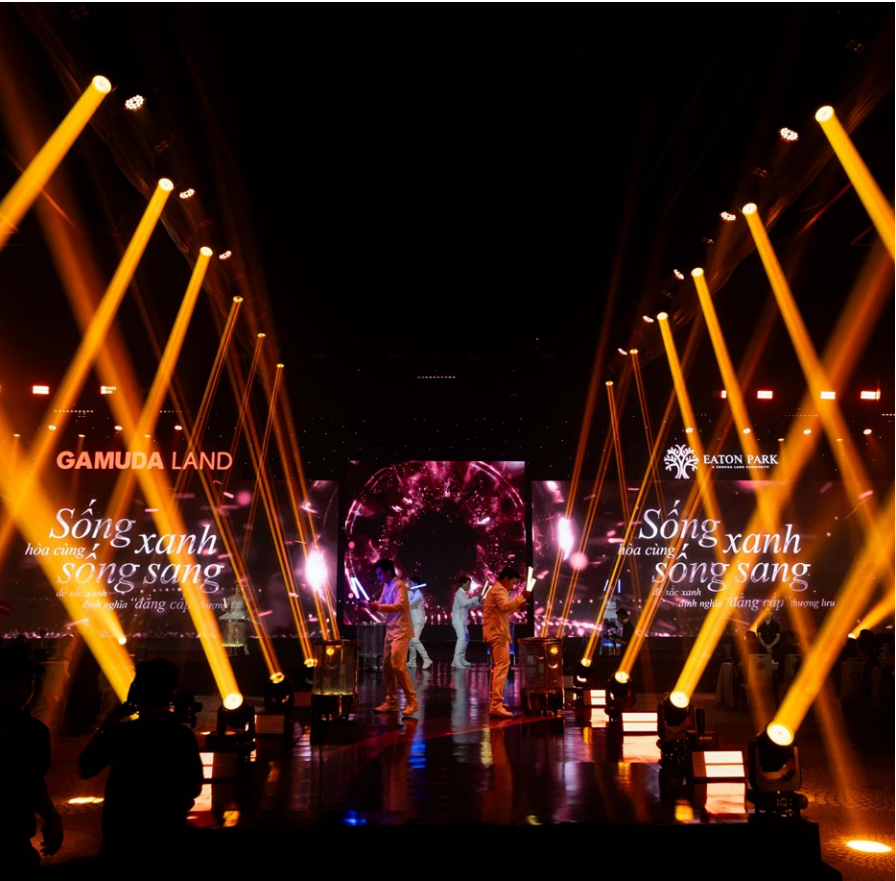
The visit was essential in strengthening our relationship with the analysts, reinforcing our credibility and transparency among them and ultimately boosting investor confidence. Coinciding with Eaton Park’s official launch on 18 May, they also witnessed the incredible take-up rate of 95 percent (for the first phase) within two hours!

Since entering the market in 2007 with Gamuda City in Hanoi, Gamuda Land has grown by leaps and bounds, with Vietnam properties contributing circa 40 percent to overall property revenue in FY23. The analysts projected that this revenue percentage will be maintained in the coming years as HCMC continues to be a major driver for our growth. Their prospects on Eaton Park and Celadon City are also upbeat, acknowledging good product location, pricing and rising demand.



[Top] Our investor relations team brought analysts and fund managers on a site visit to the Eaton Park project.

[Bottom] The analysts were also present at Eaton Park’s vibrant official launch event.



GAMUDA LAND AND SAMSUNG INTRODUCE
BESPOKE AI TO THE CAMELLIA

Gamuda Land has partnered with Samsung Malaysia Electronics to redefine modern living by integrating cutting-edge AI technology into homes, enhancing convenience and significantly reducing carbon footprints.

Introducing the comprehensive Samsung Bespoke AI ecosystem at The Camellia show unit in Gamuda Cove - a first in Malaysia. This initiative aligns with Gamuda Land’s commitment to sustainability and smart living. This collaboration will further enhance the eco-friendly infrastructure of the township.

Samsung’s Bespoke AI Home lets future homeowners streamline household chores and prioritise personal activities with smart devices that offer AI-driven energy management and personalised recommendations. Refrigerators, washers, air-conditioners, vacuums, and TVs have intelligent functions like AI Energy Mode, AI Wash, and AI Pro Cooking that adapt to homeowners’ preferences and needs for maximum convenience.

Gamuda Land’s vision for Gamuda Cove is to create a township that stands the test of time. AI and 5G are also applied in public infrastructure throughout the town. Digital infrastructure, mobility, environmental monitoring, safety, and energy systems leverage data to enhance services and promote environmental sustainability.

For example, smart traffic lights and predictive maintenance optimises traffic flow, which optimises energy efficiency and enhances community safety. Gamuda Land is exploring the integration of smart grids to further boost energy efficiency including having homes that are equipped with the necessary infrastructure for seamless solar panel installation.

EDUCATION THAT BUILDS AN INTERNATIONAL WORKFORCE

He was labelled *mat rempit* for motorcycle racing with friends. Then Mohd Nor Shafiq Hadi Misro joined 1,000 other local youths who made up the very first batch of our Tunnelling Training Academy (TTA) trainees, and his life took a complete 180.

What started out as an initiative to build a local talent pool of tunnellers which didn't exist before in Malaysia, simultaneously supported the skills volume needed to deploy the KVMRT project. Gamuda has since been on a roll to build a future-ready workforce for Malaysia, ramping up STEM and AI capabilities, and driving innovation and national resilience. Here are the education initiatives we've launched locally and regionally, and the scale of our impact!

14
education and vocational training initiatives regionally

>100,000
employees and trainees benefited from upskilling and vocational training

>780
students impacted through scholarships offered and committed regionally

>500
TVET graduates employed by Gamuda

Read about Nor Shafiq and other TTA trainees' stories



AUSTRALIA

15
women have successfully completed the Women in Tunnelling Pre-Employment

11
students as a School-Based Apprentice or Trainee

17
Indigenous youths to receive scholarships committed to NRL in 2024

The Tunneling and Infrastructure Academy (TIA) provides a safe and simulated training environment with specialist tunnelling equipment and virtual reality simulators, to train and upskill our employees and subcontractors, in partnership with Registered Training Organisations, Group Training Organisations, universities, schools, and Aboriginal businesses.

We partner with organisations like the National Rugby League to provide scholarships for indigenous youth and offer programmes such as Women in Tunnelling, in partnership with 'Empowered Women in Trades' to bridge gender gaps in construction.



Gamuda has embarked on an impressive journey over the past two years, partnering with schools in Greater Western Sydney, to facilitate school-based apprenticeships and traineeships in Civil Construction and Electrotechnology.



To date, the TIA has 671 training enrolments for women via onboarding and inductions, traineeships and apprenticeships, and a range of accredited training programmes in tunnelling, civil and WHS.



SINGAPORE

In collaboration with Singapore's Ministry of Education, Gamuda Singapore will be providing scholarships to top civil engineering students from prestigious universities such as the National University of Singapore, Nanyang Technological University, Singapore Institute of Technology, and others.



VIETNAM

10
scholarships being offered in 2024

5
students received scholarships from Gamuda Land Vietnam

100
USSH students received one-off financial assistance

Gamuda Land Vietnam sponsored five Vietnamese students to pursue tertiary education through its inaugural scholarship programme last year.

With its success, a new season is back, with up to 10 scholarships offered this year. Now, even final year university students are welcome to apply, and includes majors in wider STEAM categories, such as Business Studies, Business Administration, Human Resource Management, and Law.

Previously, one-off financial assistance was given to 100 students from the Vietnam National University, University of Social Sciences and Humanities who were severely impacted by the COVID-19 pandemic.



[Third from left] Ho Yim Cheng, General Manager of Human Resources and Admin and [middle] Jane Nguyen Hong Le, Head of Vietnam Human Resources and Administration awarded five students with Gamuda Land Vietnam's Scholarships in 2023.



MALAYSIA

1,500
TTA trainees

50
engineers upskilled at GET's Gamuda Innovation Hub

600
individuals to be trained in Next-Gen Digital IBS TVET course over next five years, with RM30 million committed under the MoU

640
Gamuda Scholarships offered, with RM30 million committed in 2024 to reach 120 students

>42,000
GPOS trainees

50,000
graduates of KTC

Tracing our journey back to 1997, we established the Gamuda Plant Operator School (GPOS) to streamline the different competency levels of crane and earthmoving plant operations.

We then launched the Tunnelling Training Academy (TTA), the world's first learning institution for tunnel boring machine technology. Providing highly specialised TVET to young graduates and school leavers, the TTA is proof that construction doesn't have to be outdated or stagnant.



The TTA was designed in collaboration with international experts from Siemens, Bosch, and Herrenknecht.

Beyond tech application, safety is our top priority. The KVMRT Safety Training Centre (KTC) focuses on developing skills and competencies in high-risk activities.

As sustainable development becoming increasingly important, we established the first TVET course on the Next-Gen Digital Industrialised Building System, in collaboration with VTAR Institute.

Bringing transformative impact to the lives of deserving students from B40 and M40 families, the Gamuda Scholarship provides financial aid, professional development, and career placements with opportunities to work overseas.



Ts. Lim Hui Yan [sixth from left], Executive Director of Gamuda Engineering and Head of Yayasan Gamuda with 2023's cohort of scholars.

In 2022, Gamuda Land collaborated with Universiti Teknologi Malaysia to reward the best landscape architecture students. The collaboration extended to a research grant, professional and short courses, formulating park and green area guidelines, garden landscaping competitions and landscape furniture initiatives.

With Building Information Modelling (BIM) being an award-winning tool, we've launched the BIM Academy to train employees and subcontractors to design and automate our projects.

Since then, we've rolled out diverse, specialised education initiatives. Within the family, Gamuda Excellence Transformation (GET) supports our own digital transformation journey through a data-driven approach. It's all about helping our teams discover new ways of work.

Gamuda AI Academy

We are making strides with GenAI beyond project integration with the recent launch of our Gamuda AI Academy. The Academy offers world-class training, industry-leading technology, and unparalleled mentorship to master full stack AI. Its aim is to forge new generation of skilled professionals and AI innovators with the latest GenAI tools on Google Cloud in one course.

The Academy harnesses the power of Google Cloud's platform to quickly build and deploy solutions that infinitely scale, enriched with Gamuda's cutting-edge use cases, such as the Autonomous Tunnel Boring Machine (A-TBM), Building Information Management Augmented Reality (BIMAR), and other innovations.

In this unique opportunity, we are fully sponsoring digital and AI upskilling pathways for the students. With this, Gamuda takes another step towards bridging the AI talent gap in line with the national digital transformation roadmap.



Gamudians train at the BIM Academy to leverage technology for sustainable digital construction.

MEET THE SCHOLARS

Justin Chin Jing Ho
Managing Director, Gamuda Engineering
• Civil and Environmental Engineering, Imperial College London

Ts. Lim Hui Yan
Executive Director, Gamuda Engineering & Head, Yayasan Gamuda
• Mechanical Engineering (Manufacturing and Automation), Universiti Putra Malaysia

Ngan Yew Teng
Senior Project Manager
• Civil Engineering, Universiti Teknologi Petronas

John Lim Ji Xiong
Group Chief Digital Officer
• Mechanical Engineering, University of Bristol

Arthur Mun Siew Meng
Digital Engineering Manager
• Civil Engineering, Imperial College London

Sachdave Singh A/L Sadu Singh
Senior Engineer (Software Development)
• Mechanical Engineering, University of California, Berkeley

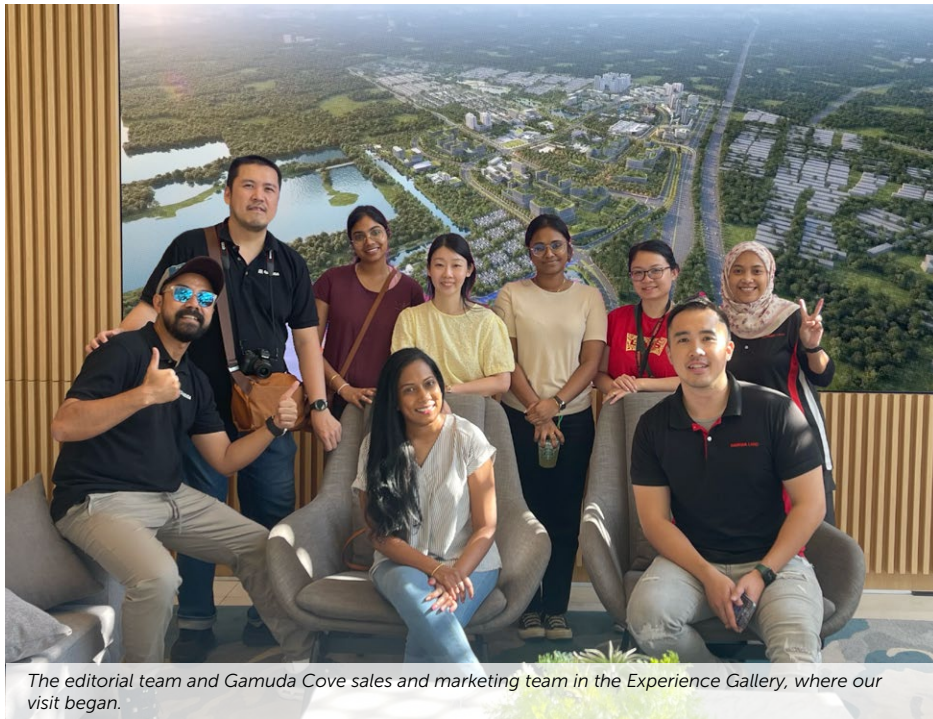
Tricia Low Yi Ching
Design Manager
• Civil Engineering, Imperial College London

Mujana Binti Mohamad Shueb
Senior Engineer
• Civil Engineering, Universiti Teknologi Petronas

Madhu Shiv A/L Jayawant
Project Manager
• Civil Engineering Infrastructure, University Kuala Lumpur

Nur Najihah Binti Ahmad Nazmi
Senior Project Planner
• Civil Engineering, Universiti Teknologi MARA

Tan Tho Wei
Head of Talent Management and Organisational Development
• Mechanical Engineering, University of Bath



The editorial team and Gamuda Cove sales and marketing team in the Experience Gallery, where our visit began.

THROUGH MY LENS: WETLANDS TO BIOPHILIC WONDERLAND

The sky's blue tangos with the azures of Gamuda Cove. Woven into the sprawling wetlands of Kuala Langat, Selangor, water is definitely the township's element.

This blending of nature sanctuary and smart city masterplan design claims honour to being Malaysia's first 5-Diamond Low Carbon City. Here I am, about to find out why.

My journey began at Gamuda Cove Experience Gallery. Opposite it stands the first Starbucks in the country built with Next-Gen Digital Industrial Building System (IBS). As the sales and marketing team regaled my teammates and I over the scale model, I couldn't wait to explore it in life-size.

Mori Pines brings Scandi-living to life here. Interior design services are offered for these units, so I could create my dream home without breaking the bank. Next-Gen Digital IBS now features renovation-friendly indoor walls for even higher levels of customisation. I can picture first-time homeowners and young families filling the two-storey terraces and semi-Ds with love and laughter.



Camping, boat riding, and picnicking are some of the activities you can do at the Paya Indah Discovery Wetlands.

The Camellia's countryside landscapes and prairie architecture made me feel like I stepped into a Monet painting. The spacious semi-Ds are a haven for multigenerational families to stay close.

Then I was spirited to The Waterlily, a secret hideaway by the water's edge. The bungalows could host glamorous garden parties in backyards that merge into the canal, meant for leisurely kayaking. Beyond that lies the 90-acre Wetlands Arboretum, habitat to water lilies that lend its name to the town's most luxurious residence.

Everywhere I look, Gamuda Cove reflects Gamuda Land's concerted efforts to embrace biophilic designs that connect people with nature, as well as digital engineering and IoT solutions. 5G connectivity powers this township. For instance, smart streetlamps will dim if no cars or pedestrians are on the road, and this saves electricity.

Placemaking is another key feature of our townships. It brings communities together and gives future dwellers a sense of belonging. Gamuda Cove has Paya Indah Discovery Wetlands, SplashMania Waterpark and Discovery Park.

Melodies of wildlife greeted me as I walked into the Wetlands Arboretum Centre. Environmental education is conveyed by the Rangers, some of whom are Orang Asli from the nearby community. Varieties of fauna is cultivated at the nursery, from trees to aromatic herbs that made me suddenly crave laksa.

On the guided Safari Insta Tour, we went deeper and deeper into the wetlands, passing the Bamboo Trail and nostalgic Rumah Melayu, then Lake Sendayan, where one could take an idyll boat cruise.

We popped in to say hello to Lily, Baby and Indah, the adorable hippos who ignored us and chomped on bamboo shoots. Our next spot was a beady-eyed saltwater crocodile nestled motionless on the ground, too busy incubating her eggs to care. Her eggs take about three months to hatch, during which time mom will go without moving or eating to guard her babies. There are about 68 crocodiles in the area, tagged by PERHILITAN.

Then it was off to SplashMania Waterpark. The Amazonia, a huge pirate ship marking the blue skyline,

is where the Sumaumeira Drop, the world's tallest waterslide (76m high), starts. From where I stood, the slide looked like a near-vertical drop! With live performances and a DJ deck, this is definitely the place to party.

SplashMania Waterpark has 39 award-winning attractions ranging from chill to thrill, and if I wanted to learn surfing, I could shred it at Surf Mania with the help of a trainer.

Hopping on the E-Tram, we crossed the Townsquare, where there will be 100 lifestyle retail units upon completion. I can't wait to see everything come together because I heard that al-fresco cafes will dot this European-inspired

commercial hub. The E-Tram is Malaysia's first integrated tram system, another of Gamuda Land's ways of inspiring people to go car-free and reduce footprint.

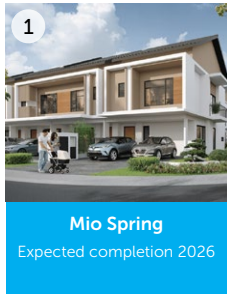
Pulling up at the Discovery Park, it was nearly time to wrap up our day with a ride on Cove AeroBar. As we made our ascent 35m into the air, I recalled the moment in the Experience Gallery where I stood over the town model. Here in the sky, that moment has come full circle, as the panorama of Gamuda Cove in real life took my breath away.



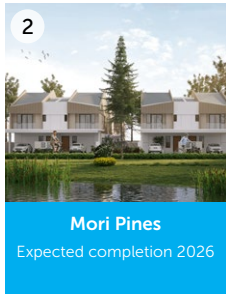
Did you know that hippos can hold their breath for up to five minutes underwater?



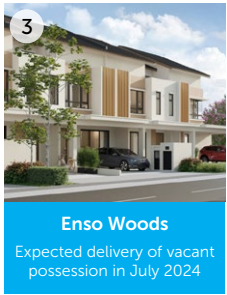
Kids Adventure, Family Adventure, Thrill Adventure and Extreme Adventure! Which rides will you choose?



Mio Spring
Expected completion 2026



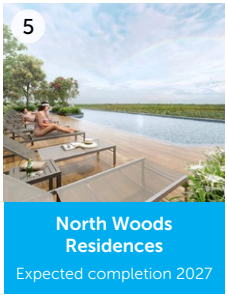
Mori Pines
Expected completion 2026



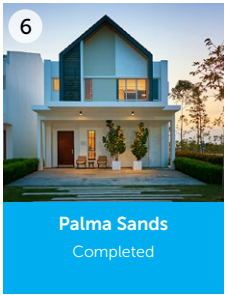
Enso Woods
Expected delivery of vacant possession in July 2024



Maya Bay Residences
Completed



North Woods Residences
Expected completion 2027



Palma Sands
Completed

Landbank

- 474 acres for landed residences and affordable homes
- 372 acres for commercial and serviced apartments
- Central Business District
- Education Hub
- Commercial Park
- Wellness District
- Wetlands Commercial
- Heart of Cove
- Regional Corporate Centre
- 250 acres for greeneries and water bodies
- 434 acres for infrastructure and amenities

Gamuda Cove



Renewable Energy

Solar panels with 1,331kWp capacity at Wetlands Arboretum Centre, Experience Gallery and SplashMania Waterpark. Additional 390kWp in planning for Kelab Tani, ASAI Gamuda Cove Hotel and Townsquare.

Tesla Malaysia's largest Supercharging station in SEA with 24 charging bays.

3.8km E-Tram route and 64km interconnected cycling and walking paths for intra-city connectivity.

Green Spaces

6.36% of blue space (lakes and ponds).

10.43% of green space (landscapes, parks and gardens).

1,111 acres Paya Indah Discovery Wetlands jointly operated with PERHILITAN.

90 acres Wetlands Arboretum.

1,326 acres Kuala Langat Forest Reserve.

60 acres Central Park with three lakes and 5km walking path.

Water Management

SplashMania Waterpark harvests rainwater for non-potable use, such as park irrigation. Toilets have dual flush systems with low flow for efficient use of water.

Semi-Ds, bungalows and high-rises harvest rainwater for non-potable use, such as landscape irrigation and out cleaning.

Central Lake water used to irrigate common landscape areas.

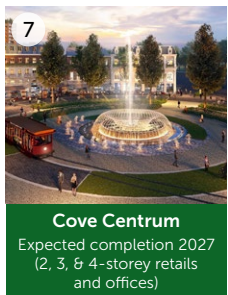
Digital and Sustainable Solutions

Next-Gen Digital IBS to build homes, now with hackable indoor walls. The first Starbucks in Malaysia built with Next-Gen Digital IBS.

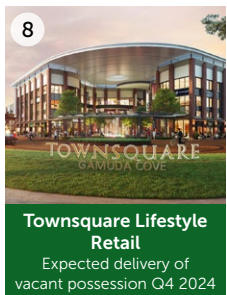
5G powers Gamuda Cove's cutting-edge features and smart infrastructure.

Energy-efficient materials and smart home technologies part of sustainable building practices.

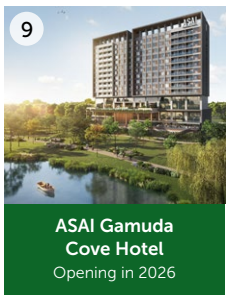
Renewable energy for solar streetlights. Timer and LED lighting reduce energy consumption.



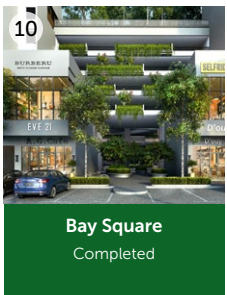
Cove Centrum
Expected completion 2027
(2, 3, & 4-storey retails and offices)



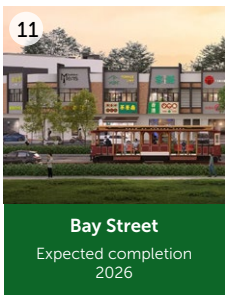
Townsquare Lifestyle Retail
Expected delivery of vacant possession Q4 2024



ASAI Gamuda Cove Hotel
Opening in 2026



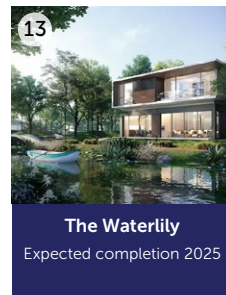
Bay Square
Completed



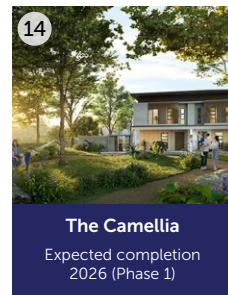
Bay Street
Expected completion 2026



Chinese Primary School
Completion in 2025



The Waterlily
Expected completion 2025



The Camellia
Expected completion 2026 (Phase 1)

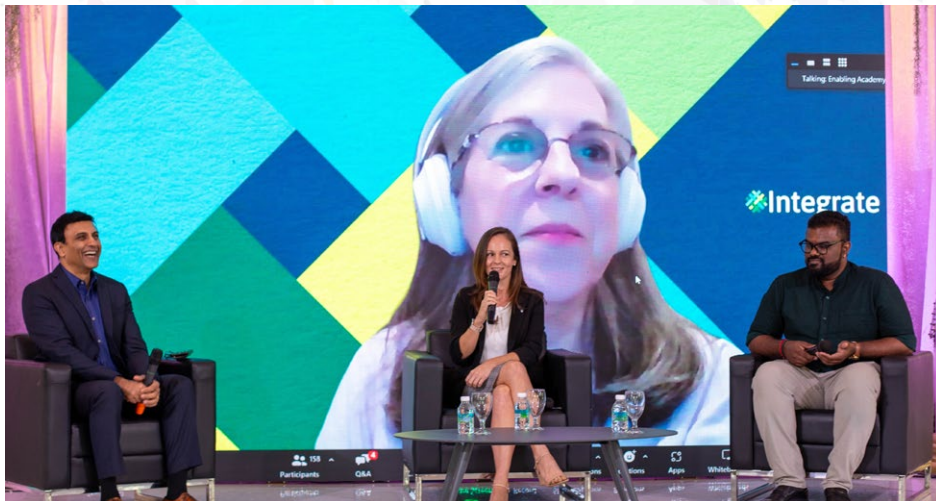


Bronze Provisional GreenRE Certification Residential Category
- THE CAMELLIA



Gold Provisional GBI Certification
**- THE WATERLILY
- GAMUDA COVE**

A DECADE OF IMPACT



L-R: Hiren, Vicky, Viknes and Tracy [on the screen] discussing the topic of embracing neurodiversity in the workplace.

With 15 to 20 percent of the global population falling under the neurodivergent umbrella, of which a staggering 85 percent of adults with autism remain unemployed, it is imperative to delve into the underlying reasons.

Neurodivergence means that some people’s brains work differently from what’s considered typical. It’s not a disease or something that needs to be “fixed.” Instead, it’s a way of recognising that everyone’s minds process the

world in unique ways. People who are neurodivergent might have special strengths or face challenges that are different from those who think in more common ways. This idea helps us understand and respect these differences as part of the natural variety of how humans think and interact with the world.

As the recent “A Decade of Neurodiversity Impact” panel session kicked off, anticipation filled the hall. Representatives from partner companies, NGOs, private centres, universities

and relevant government agencies had gathered to celebrate a decade of empowerment and inclusion in the workplace. Yet, amidst the jubilation, moderator Hiren Shukla stopped them short with a thought-provoking question: “What happens when great minds don’t think alike?”

This seemingly simple question struck a chord, resonating deeply with the audience and sparking a dialogue among the guest panellists: Tracy Powell-Rudy (Vice President of Corporate Engagement for Integrate Autism Employment Advisors); Vicky Little (Chief Operating Officer at Specialisterne Australia); and Vikneswaran Vijayan (Tunnel Manager, Gamuda Singapore).

Over the course of the next hour, the panel dissected the multifaceted challenges contributing to this statistic: a lack of understanding and awareness, insufficient top-level commitment to embracing neurodiversity, inadequate training for both neurodivergent and neurotypical employees, and the struggle to find the right technical and environmental fit for neurodivergent employees. Addressing these challenges is pivotal to providing meaningful

support to our neurodivergent colleagues, fostering an inclusive workplace environment and closing the growing skills gaps.

The panellists put forward several suggestions to tackle these challenges: implement specialised training programmes to aid adults with autism integrate into the workplace; establish mentorship or coaching initiatives to provide support to neurodivergent employees; instead of stereotyping job roles for neurodivergent individuals, conduct thorough assessments of their skill sets and align job matches with their abilities and the needs of the workplace.

Aimed at raising awareness and enlarging the network of partner corporates to provide sustainable employment opportunities to individuals with autism, EA conducts an Employment Transition Programme (ETP) that trains and places individuals with autism into companies that embrace diversity and inclusion in their workforce.

To date, it has expanded to include other neurodivergent individuals as part of the expansion plan.

From engineers to data analysts, each graduate of the programme serves as a testament to the power of inclusion and the limitless potential that lies within every individual.

Read The Edge article on how Enabling Academy is driving neurodiversity

Watch our success stories

THE IMPACT



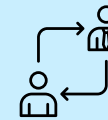
118 graduates placed across 10 industries.



Over 50 partner companies.



81% graduates secured and sustained jobs.



First in Malaysia to publish an Employment Transition Programme Trainer’s Manual. More than 7,500 copies distributed.



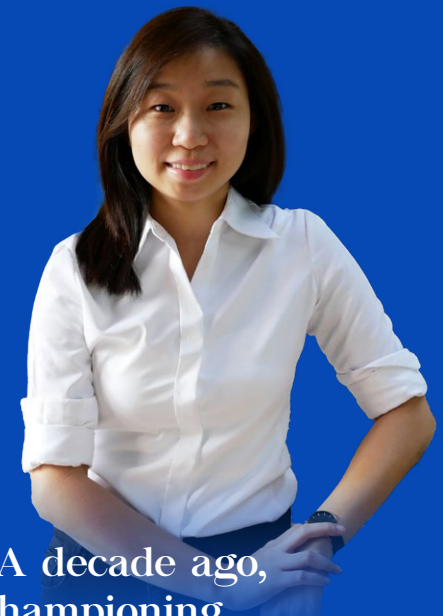
Engaged over 950 participants for ETP practitioners’ workshops.



Partnership with the Department of Social Welfare Malaysia.



Recipient of Anugerah Korporat Prihatin 2021 by Ministry of Women, Family and Community Development.



“A decade ago, championing neurodiversity felt like pushing a boulder uphill. Today, that boulder rolls with momentum thanks to our collective efforts. Every time a neurodivergent person thrives in the workplace, we see the power of embracing different ways of thinking. Our work has changed lives, and we’re just getting started.”

Ts. Lim Hui Yan,
Head of Yayasan Gamuda

BRIDGING PLACES & PEOPLE

From road bridges to rail bridges and marine bridges, Gamuda has constructed engineering marvels all over Malaysia and across international shores. What does it take to put these structures together?

Enter Gamuda's design team! These maestros expertly balance artistry and durability, creating iconic structures. Let's journey through Gamuda's bridge-building legacy, exploring the challenges, innovations, and impact of these remarkable structures.

"We take pride in building modern bridges that are functional, architecturally majestic and able to withstand harsh weather fluctuations. This multifaceted prowess in the built environment showcases our diverse capabilities with emphasis on 'safety in design' and sustainability, as well as a commitment to delivering exceptional value."



Lee Seng Hoor
Director of Engineering,
Design and Technical,
Gamuda Engineering.

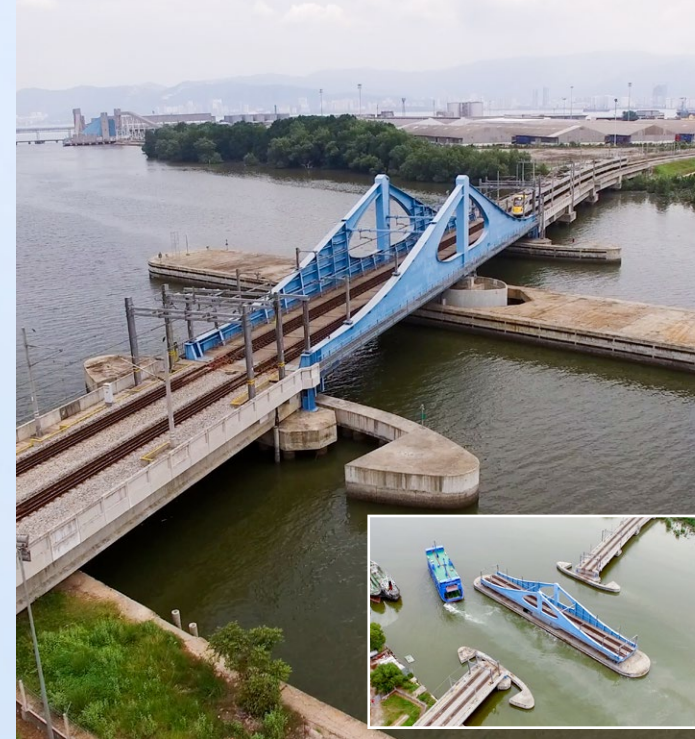


The LDP: Where Beauty Met Necessity

This takes you back to 1996, when Gamuda was making its second foray into highways. As part of the Lebuhraya Damansara-Puchong (LDP) project, we built not just two, but a three-level overpass crowned with a cable-stayed marvel. This 600m-long harp in the sky became an instant landmark as it's Malaysia's first-ever land bridge (it was also famously known as the Motorola bridge given that the former Motorola factory was beside the highway).

From mining pond to overpass, this belle of bridges makes for insta-worthy content with light trail photography at night.

The team's decision to go for its celebrated cable-stayed design was a practical one (that it is also aesthetically pleasing is a bonus)! "You see, as the project was to be constructed at an existing, busy intersection, we had to find ways to minimise disruption to the traffic below. The solution lay in the concept's allowance for longer spans without columns at the bottom that would interfere with traffic," explained Wong Chong Ling, General Manager of Design at Gamuda Engineering.



Railways and Waterways: Unique Demands

Our trip down memory lane continues with the Electrified Double Track Project (EDTP), adding the 282m-long Prai Swing Bridge and 3.45km-long Bukit Merah Marine Viaduct to our belt.

"Rail bridges must be built on gentle inclines," said Wong. As they're meant for trains, not road vehicles or roller-coasters, it would take too much energy for them to chug uphill on a slope and maintain the train speed. "For that reason, these rail tracks were built low and close to the lake surface, which also kept the construction cost down. For Bukit Merah Viaduct, this was practically achievable as there was no requirement to raise the viaduct higher for navigational clearance of large boats." During the construction period, we also anchored a silt curtain tightly to the lakebed to prevent debris from potentially contaminating the nearby water treatment plant.

As for the Prai Swing Bridge, "It swings perpendicularly at a 90° angle for vessels to go across. We installed the power supply underwater using submersible cables for seamless operation," said Wong. The Prai Swing Bridge was already a legend, so we stayed faithful to its appearance and even replicated its iconic blue during reconstruction!



Taking Expertise International

"With a clientele that includes government ministries and the private sector, Gamuda continues to be trusted globally for innovation breakthroughs and responsible development," said Lee. Our credibility enabled us to win Bahrain's Sitra Causeway Bridges and Taiwan's Guantang Marine Bridge deals.

The former allowed us to cut our teeth, constructing in the severe marine environment of the Arabian Gulf.

"Using stainless steel rebar for the outer layer of concrete structures offered the bridge higher durability and extended life span. Concrete mixes with lower porosity reduce corrosion of steel reinforcements, caused by chloride content in seawater," said Wong. The four-lane dual carriageway bridges were designed to British Standard with a lifespan of 120 years!

In Taoyuan, Taiwan, we hired a dedicated risk management team that scheduled work around wind, wave, tide and current forecasts to minimise risks to our workers on the 1.61km-long Guantang Marine Bridge. Taiwan is known to be hit by hurricanes and tornadoes, adding a layer of challenge to our work there.

A steel box cofferdam kept our workers dry, away from the waves, which can average a few metres high, depending on the season. We also used precast segmental box girders to reduce offshore lifting and concreting work and the need to work at height.

Thanks to rigorous engineering and safety measures, Gamuda proudly became the first Malaysian company to win the Public Construction Golden Safety Award from Taiwan's Ministry of Labour in 2022.



Where we are with
Batang Lupar Bridge No. 2

- Tallest cable-stayed tower and second-longest bridge span in Malaysia
- Sarawak, Malaysia
- 2020 – 2025
- 870m long, 145m high, navigational clearance of 23m
- 45% completed

Poised to be Malaysia’s tallest cable-stayed tower, its height makes the bridge sensitive to movement. We extensively cross check between design and construction at each point to strictly adhere to the sequence outline, according to Yii Hing, Project Manager of Operations at Gamuda (NAGA) JV Sdn. Bhd.

“Sophisticated stage-by-stage analysis of construction loads including balance cantilever deck casting and stayed cable forces is carried out using the MIDAS CIVIL software to ensure not to overstress the tower and deck structure,” he said.

Other important measures undertaken:

- Stability checks on existing riverbank prior to construction.
- Constructing temporary sheetpiling cofferdam to cast thick pile cap 6m below ground level.
- Constructing temporary steel strutting and skeleton to support tapering tower leg.
- Assembling, hoisting up and operating of underslung form traveller to construct deck in balance cantilever mode.
- Drone surveying and digital mapping for as-built survey and quantity calculation.

“We adopted drone surveying and digital mapping to carry out the as-built survey and quantity calculation. In this project, we have set new standards on group safety and health awareness among the locally recruited teams in Sarawak and upskilling them in bridge construction technology,” said Yii.

To date, progress stands at 45 percent, and we’re on track to meet the target completion date. We’re reaching the final lift of casting for Tower 1 and the construction of the deck is expected to be in full swing in May. As for Tower 2, we target to complete it by the year’s end.

Between the elements and crocodiles lurking beneath the watery depths of the Batang Lupar Bridge No. 2 and Kuantan Bridge, our bridge projects make for riveting experiences.

Technology: Driving
Precision and
Innovation

Apart from our design team’s expertise, our story wouldn’t be complete without recognising the role of advanced tools and technologies across all projects.

As the work involves multidisciplinary teams, we leverage on Building Information Modelling (BIM) to collaborate and ensure each component fits perfectly.

“We don’t just draw 3D outlines – we go deeper, like drawing 3D rebar arrangements and preparation of bar bending schedules for every piece of reinforcement in the Segmental Box Girders (SBGs), to ensure every bar is prepared to the correct angles and shape before they are fabricated for construction,” related Wong.

This meticulous, tech-driven approach minimises errors and maximises safety across all stages. “Our strength lies in combining human ingenuity with the power of digital solutions. This agility in new ways of working and striving for industry excellence defines Gamuda’s difference,” echoed Lee.

As a leader in digital construction, we constantly push boundaries, breaking industry stereotypes and modernising the sector.

SPOTLIGHTS



1. Our Innovative Journey
Across Borders

A high-level delegation led by (fifth from the left) Dato’ Sri Alexander Nanta Linggi, the Minister of Works, made a visit to our Defu Station and Tunnels project site in Singapore. The delegation witnessed our remarkable progress and the technologies we utilised for the project, including the autonomous TBM. By harnessing cutting-edge solutions, we monitor manpower efficiently, analyse productivity trends, and strengthen the ties between the Malaysian and Singapore construction industries. Together, we push the boundaries of what’s possible.

2. Shining Bright at the West
Coast Earth Hour 2024
Event

The CR209 team basked in the visit of (second from the right) Mr. Desmond Lee, Minister for National Development and Social Services Integration at the West Coast Earth Hour 2024 event. Our booth showcased the West Coast Station and Tunnels, reflecting our dedication to sustainability and expertise in the field. Together, we ignite the journey towards a greener tomorrow!

3. Unveiling CJ18 PingZhen
Station's Evolution

A glimpse into Taoyuan’s Urban Railway Underground Project progress! CJ18 PingZhen Station Section construction has commenced with the installation of a temporary railway bridge alongside live tracks. Seen here are the intricacies of construction, from diaphragm walls to deep RC foundations, promising a seamless future for commuters.



4

4. Tales from the Tunnels of 161kV Songshu Guangfeng Underground Transmission Line Project

This project marks a milestone as our team in Taiwan deftly guides tunnel segments through limited spaces at launch shaft 3. The first TBM steadily advancing through weathered sandstone at 20m depth, and the second TBM hoisted down into launch shaft 1. Our precision and dedication drive us closer to completing this monumental underground transmission line project.



5

5. Introducing The Meadow: Where Tranquility Meets Urban Chic

Discover Gamuda Land Vietnam's newest gem in Binh Chanh, Ho Chi Minh City, spanning 5 hectares. This enclave offers 212 townhouses and villas in four unique designs, embodying green living with 63 percent greenery coverage and 30 diverse amenities. Immerse in a lifestyle that's both serene and vibrant!



6

6. On Track and On Toast: A Joyous Gathering

MMC Gamuda and Gamuda senior management came together to break bread at MMC Gamuda's recent Hari Raya Open House Celebration. The informal gathering, held for the teams that worked on the elevated portion of the MRT Putrajaya Line, brought cheer to all the attendees and strengthened the bonds built over the course of the project.



7

7. Honouring Gamudians 2024: Capturing Unity, Collaboration and Joy

For this year's Labour Day celebration, Gamudians dove into exciting activities at Menara Gamuda and engaged in a lively photo contest which aimed to showcase unity, collaboration, and joy among colleagues. Here's to the exceptional teamwork and the unforgettable moments we create at Gamuda!

FunPark

EYE OF GARDENS

Elevate your FunPark experience at Gamuda Luge Gardens with our newest attraction - Malaysia's tallest ferris wheel. At a majestic 50-metre high, this iconic landmark promises panoramic views of the Northern Klang Valley city skyline like never before.

Simply walk in with your staff ID to secure your discounted tickets and create unforgettable moments with your loved ones.

**30%
OFF**

Exclusively for Gamuda employees only

