

Green Pulse

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Singapore celebrating sustainable
design, biodiversity and wellbeing in
support of President's Challenge 2025**



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Credits:

Editor: editor@greeninfuture.com

Marketing: marketing@greeninfuture.com

Business Development: info@greeninfuture.com

Design and Production: Nandini Subramanian

INTRODUCTION



Wishing everyone a happy and prosperous 2026!

Email – marketing@greeninfuture.com

WhatsApp - +65 97379356

Banyan Tree opened its 100th resort in Singapore celebrating sustainable design, biodiversity and wellbeing in support of President's Challenge 2025



View of the façade of Mandai Rainforest Resort by Banyan Tree

Banyan Group and Mandai Wildlife Group marked a major milestone on 26th November with the Grand Opening of Mandai Rainforest Resort by Banyan Tree. President Tharman Shanmugaratnam officiated the grand opening, inaugurating the resort's Wishing Wall and previewing Banyan Group's inaugural Rainforest Festival. Located in the Mandai Wildlife Reserve, Mandai Rainforest Resort by Banyan Tree marks Banyan Group's 100th resort and its symbolic homecoming to Singapore. Owned by Mandai Wildlife Group, the resort is the first-ever resort situated within a world-leading wildlife and nature destination in a capital city.

Beginning with a musical prelude by young talents from the Wolfgang Violin Studio, the tour featured a guided walk through the resort's sustainable design features, biodiversity corridors and nature-led guest experiences. It also included a preview of the Rainforest Festival, featuring highlights from the Discovery Trail, a curated collection of diversified crafts from around the world at the Banyan Gallery Showcase and the GREEN-HOUSE HangOut sustainability weekend market, as well as a visit to the newly opened Curiosity Cove - Singapore's largest indoor nature-inspired playscape located just a short walk from the resort. Close to 100 beneficiaries from President's Challenge programmes also attended the festival preview, with more than 2,000 beneficiaries invited throughout festival week.

The grand opening day then continued with the premiere of *The Journey*, a twelve-minute short film tracing Banyan Group's evolution and stories of impact from its beginnings in Phuket to its 100th milestone in Singapore, followed by an intimate In Conversation session with Founder and Executive Chairman Mr Ho Kwon Ping and Co-Founder and Senior Vice President Ms Claire Chiang.



View of the interior spaces in the resort showing how the design integrates with nature

The programme also featured a City in Nature dialogue introduced by Ho Ren Yung, Deputy CEO at Banyan Group, which explored Singapore's City in Nature vision and the role of regenerative design, nature-positive development and collaborative stewardship in shaping future cities. Moderated by Dr Mark Watson, Group Director of Sustainability and Impact at Banyan Group, the dialogue brought together leading voices from conservation, design and architecture, including Mandai Wildlife Group Deputy CEO of Life Sciences and Chief Life Sciences Officer Dr Cheng Wen-Haur, DesignSingapore Council Executive Director Dawn Lim and WOW Architects Co-Founder Wong Chiu Man.

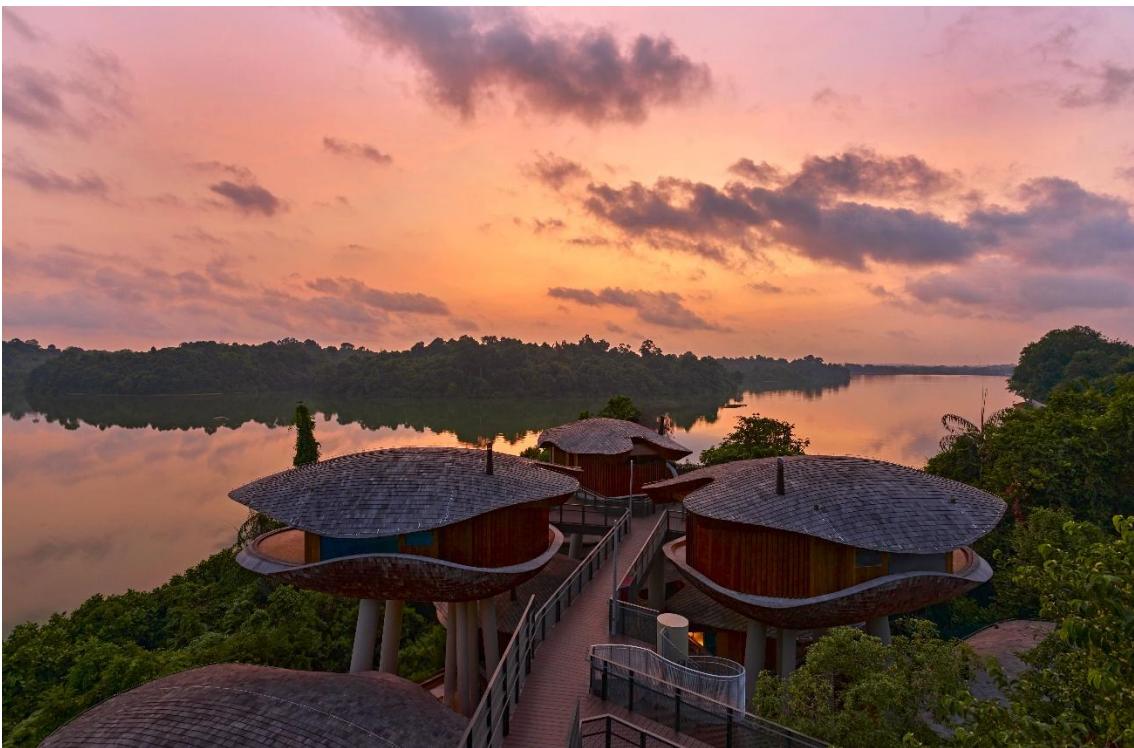
The Grand Opening Day concluded with an appreciation dinner honouring partners and collaborators. Hosted by emcee Paul Foster, the evening featured performances by Min Lee and young talents from Wolfgang Violin Studio, singer-songwriter Shazza, vocal band MICappella and Cultural Medallion recipient Dick Lee, whose rendition of "Home" closed the evening on a heartfelt note.

The resort is an ode to sustainable design and inclusive biodiversity

Mandai Rainforest Resort by Banyan Tree represents Singapore's first Super Low Energy resort, offering an immersive nature experience across 4.6 hectares nestled within the Mandai Wildlife Reserve, Singapore's wildlife and nature destination. The resort features 338 rooms, including standard rooms, family rooms with bunk beds, and 24 treehouses that cater to varying needs of travellers. Inspired by native liana plants, the resort's organic architecture blends seamlessly with the surrounding rainforest and creates flowing spaces that bring guests closer to nature while ensuring universal accessibility.

The resort's design and development were undertaken with careful consideration to the surroundings, based on principles and parameters outlined in the Environmental Impact Assessment (EIA) conducted for the Mandai rejuvenation project. The development site previously housed staff quarters, an animal quarantine facility, and a sewage treatment plant, all of which were decommissioned to make way for the resort.

Universal design principles are integrated throughout, featuring barrier-free access via gentle ramps and connected walkways ideal for strollers and wheelchair-users. Specially designed rooms include connecting doors for caregivers and families, while public spaces offer intuitive wayfinding through preserved heritage trees and distinctive textured pathways. The All-Day Dining venue provides flexible spaces that can be sectioned for private events, while a Discovery Forest rooftop garden offers multi-sensory experiences accessible to all visitors.



The tree house rooms that mimic forms from nature

Sustainability and education are core to the guest experience, with features including natural ventilation systems, solar panels, and water-efficient landscaping. Interactive Energy Displays within each room empower guests to monitor their power use, with gentle reminders when consumption levels exceed eco-thresholds. Every design decision reinforces the commitment to a low-impact, high-comfort guest experience.

Sustainability features

Inclusive Arrival and Connectivity:

- The resort provides a seamless barrier-free journey from a dedicated carpark to all facilities, with accessible and family parking lots strategically located near lift lobbies
- Sheltered walkways with gentle gradients connect all areas, accommodating guests with strollers or wheelchair-users
- Elegant drop-off areas feature generous waiting areas and comfortable seating
- Complimentary buggy service that can accommodate wheelchairs, offers comfortable transportation throughout the resort grounds

Accessible Accommodation and Dining Facilities:

- The resort features 5 accessible rooms, 7 elder-friendly rooms, and 72 spacious family rooms, thoughtfully distributed across the development
- The 24 treehouse pods offer unique nature experiences at different heights, with both elevated and ground-level options available
- Accessible and elderly-friendly rooms are paired with connecting rooms for caregivers and families
- Elder-friendly rooms incorporate night lighting, emergency systems, and intuitive controls for a comfortable, secure stay
- The All-Day Dining venue features flexible sectioned spaces and child-friendly dining areas, creating an inclusive experience

Nature Integration with Inclusive Design

- A sunk fence, also known as a “*ha-ha wall*”, was also incorporated to provide a vertical barrier between the resort and a corridor for native wildlife to pass while preserving the view of the forested areas and reservoir
- Open-sided corridors and walkways feature distinctive textures for intuitive wayfinding while maintaining natural ventilation
- Mature trees on-site serve as natural landmarks for orientation throughout the resort
- Panoramic glass lifts provide stunning forest views while ensuring comfortable and safe vertical circulation
- The barrier-free Discovery Forest at rooftop garden offers multi-sensory experiences through tactile plants and educational signage

Family-Friendly Amenities and Support:

- The Ranger's Club provides dedicated children's facilities in a nature-inspired setting, thoughtfully designed with amenities such as nursing rooms
- The children's playground integrates naturally with landscaped berms for safety and visibility
- Comfortable rest areas with varied seating options along public spaces and nature walks

Other UD Features:

- Hearing enhancement systems are installed at key touchpoints including the check-in counter and function rooms
- Other accessible sanitary facilities include ambulant-friendly toilets, grab bars, and child-sized amenities throughout public areas
- All washrooms feature tactile maps to assist persons with visual impairments
- Clear wayfinding with tactile indicators, braille, and intuitive signage ensures easy navigation for all guests



Video showing the various features of the Resort

Inaugural Rainforest Festival

The inaugural Rainforest Festival took place from 27 November to 3 December 2025 at Mandai Rainforest Resort by Banyan Tree. Visitors could explore discovery trails, artisanal craft showcases, and refreshing treats in nature, alongside a daily line-up of wellbeing sessions, nature walks, creative workshops, family activities, and yoga and movement classes for all ages. The event also included the GREEN-HOUSE HangOut – a pocket-sized edition of Singapore’s largest sustainable lifestyle event – that brought together ten homegrown sustainable brands and live performances by Wolfgang Violin Studio, Joie Tan, Jack & Rai, MiCappella, Heart Songs by Gabrielle Mendoza, and Beans & Beats.

In support of the President’s Challenge, all festival ticket proceeds were donated and matched dollar-for-dollar by Banyan Group. An additional 20 per cent of proceeds from the paid experiences by Mandai Wildlife Group and the resort, and from the sale of SG60-exclusive merchandise at Banyan Gallery, were also donated. All donated proceeds were matched dollar-for-dollar from the Government under the SG60 Matching Grants.

In celebration of the grand opening and SG60, the resort has also introduced a Silver Staycation weekday retreat designed for seniors aged 60 and above, available for stays until 30 April 2026.

ABOUT BANYAN GROUP

Banyan Group (“Banyan Tree Holdings Limited” or the “Group” - SGX: B58) is an independent, global hospitality company with purpose. The Group prides itself on its pioneering spirit, design-led experiences and commitment to responsible stewardship. Its extensive portfolio spans 100 hotels and resorts, over 140 spas and galleries, and 20 plus branded residences in over 20 countries. Comprising 12 global brands, including the flagship brand Banyan Tree, each distinct yet united under the experiential membership programme with Banyan. The founding ethos of “Embracing the Environment, Empowering People” is embodied through the Banyan Global Foundation and Banyan Academy. Banyan Group is committed to remaining the leading advocate of sustainable travel, with a focus on regenerative tourism and innovative programmes that elevate the guest experience.

ABOUT MANDAI WILDLIFE GROUP

Mandai Wildlife Group is dedicated to caring for the planet and protecting animals and nature. Conservation education is intrinsic in all interactions with the Group, to inspire action for a healthier world.

Mandai Wildlife Group is the steward of the Mandai Wildlife Reserve, a unique wildlife and nature destination in Singapore that is home to world-renown wildlife parks which connect visitors to the fascinating world of wildlife. The Group is driving an exciting rejuvenation plan at the Mandai Wildlife Reserve, adjacent to Singapore’s Central Catchment Nature Reserve, that will integrate five wildlife parks with distinctive nature-based experiences, green public spaces and an eco-friendly resort.

Mandai Wildlife Group advocates for biodiversity, contributes to leading wildlife research, develops innovative solutions to promote living sustainably, and collaborates with conservation partners in Singapore and Southeast Asia.

The Group provides funding and in-kind support to its conservation arm, Mandai Nature, for conservation work across Southeast Asia. Mandai X, an entity that is part of the Group, is the growth accelerator and venture-building arm that sparks, catalyses and accelerates innovative ventures in new domains that drive growth and impact at scale.

Sarah Cragg

Sarah joined The Earthshot Prize as Head of Asia Pacific in July 2023. Her primary focus within The Earthshot Prize is to discover, spotlight, and scale eco-innovations throughout Southeast Asia, contributing to the vital mission of healing our planet. Before joining The Earthshot Prize, Sarah was Head of Partnerships and Marketing for Conservation International Asia Pacific. Sarah has over a decade of experience working with businesses in Singapore and the UK, guiding them in embedding sustainability at the core of their operations and effectively communicating their impact to key stakeholders and consumers. She has worked closely with global organisations to build impactful programs and drive positive impact through partnerships between business, government, and civil society, working with organisations such as Unilever, Danone, Essilor, Grow Asia and Microsoft. She is a graduate of the University of Oxford and a qualified solicitor in England and Wales.

Singapore is often seen as a hub for innovation and sustainability in Asia. From your perspective as Head of Asia Pacific at the Earthshot Prize, what unique opportunities and challenges do you foresee for environmental innovators working in Singapore? How can the Prize help accelerate high-impact projects in this city-state?

Singapore is a fantastic launchpad for sustainable innovation —it has strong infrastructure, supportive policies, and easy access to regional markets. The challenge lies in high costs and underdeveloped funding and supply chains. That's where The Earthshot Prize steps in. As the world's most impactful and prestigious environmental award we offer global visibility, support, and partnerships to help ambitious climate leaders overcome these hurdles to help advance or replicate their solutions across Asia and beyond.

At the Reach Conference in Singapore — this is the first global convening held in Asia — what role do you think initiatives like The Earthshot Prize can play in driving collaboration between changemakers, researchers, and local communities to tackle



last-mile sustainability challenges in the region?

The Reach Alliance develops the leaders the world needs to solve urgent, local challenges in the hardest to reach places — those underserved for geographic, administrative, or social reasons. The Earthshot Prize exists to champion the climate leaders turning bold ideas into solutions for our people and the planet. We are part of the same global movement that connects changemakers, researchers, and communities with proven solutions.

At a convening like the Reach Conference, especially here in Asia, we focus on helping make these solutions famous, bringing new partners around them, and unlocking the collaboration needed for rapid, large-scale systemic change. By combining deep and tested local insight with the strength of our ambitious global network and experience, we can help ensure last-mile challenges are met with world-leading action.

For emerging innovators or start-ups hoping to be part of future Earthshot Prize cohorts, what advice would you offer — especially for those working in resource-

● FACE TO FACE

constrained or rural environments?

At The Earthshot Prize we focus on climate leaders with bold ideas and measurable impact. What matters most is demonstrating resilience, ingenuity under constraint and a clear path to rapid and large-scale systemic change. For those working in resource-constrained or rural environments, your local insight is a powerful strength with global potential. We seek leaders who can turn urgency and optimism into action, and our ambitious global network is here to back them every step of the way.

Collaboration is often key for turning ideas into large-scale solutions. How can governments, businesses, and community organisations work more effectively with innovators to accelerate positive change? Collaboration is key to accelerate positive change and turning promising ideas into large-scale impact. We see this reflected across many of our Finalists. For example, the city of Guangzhou in China has become a living laboratory for sustainable transport, showing how bold policy, collaboration and investment can deliver cleaner air and healthier cities. We also see powerful coalitions emerging between businesses, such as those behind the Quay

Quarter Tower and NGOs such as Bonds for Ocean Conservation, pioneered by the Debt for Nature Coalition, who is committed to protecting marine ecosystems and coastal communities by refinancing national debt to increase investments in nature and people. Effective collaboration starts with shared goals and transparent communication. When governments, businesses and community organisations align their incentives and resources, they create the environment and conditions for innovation to thrive. Multi-sector partnerships don't just support good ideas, they are turning promising ideas into large-scale, sustainable and system-wide change.

The Earthshot Prize surfaces and accelerates groundbreaking solutions worldwide. From your vantage point, what are the trends you foresee among innovators in Asia Pacific, especially those who address climate and environmental challenges?

We're seeing exciting trends: nature-based solutions, circular economy models, and tech-driven approaches. Innovators are focusing on climate resilience and community-led projects. Plus, cross-border collaboration is growing fast, which is key for scaling solutions in such a diverse region.



WATG Marks 80th Anniversary from Apac Hub in Singapore, Recognised At SLAA 2025

From the Artful Reimagining of Dangkou Ancient Town Hotel Wuxi to Recent SLAA Recognitions, Singapore-based Global CEO David Moore Charts a Bold Future

Global hospitality architecture and design firm WATG celebrated its 80th year crafting bespoke design solutions across diverse contexts and cultures. From its Asia-Pacific (APAC) headquarters in Singapore, the firm is leveraging its eight-decade legacy to chart a new trajectory for the hospitality industry. This leadership is underscored by recognition for two of its projects at the Singapore Landscape Architecture Awards (SLAA) 2025 for projects in Vietnam.

WATG's CEO, David Moore, is the firm's first to be based in APAC. Based in Singapore for three decades, he helped pioneer the region for the firm in the 1990s alongside founder George 'Pete' Wimberly. He led WATG's expansion into the Asian market and broadened its portfolio to encompass urban, lifestyle, and boutique projects, underscoring the firm's commitment to a truly global perspective and strategic leadership presence in key growth regions.

Throughout its inception, WATG has consistently pushed the possibilities of design, integrating forward-thinking approaches that shape extraordinary spaces. From groundbreaking resorts to urban destinations to cultural landmarks and hospitality icons, the firm has played an integral role in crafting environments that inspire, endure, and elevate experiences.

WATG's placemaking legacy is built on creating cultural landmarks rooted in the local vernacular from the authentic reimagining of Dangkou Ancient Town Hotel Wuxi (MGallery Collection) to the transformative JW Marriott Jeju, which redefined Korean luxury. This forward trajectory continues with the Regent Bali Canggu and the upcoming relaunch of Lagen El Nido in the Philippines.



"Our 80th anniversary is more than a milestone; it provides perspective that pivots us forward," says David Moore. "It gives us 80 years of nuanced insight to allow us to innovate with precision while others guess."

As it enters its ninth decade, WATG is capitalising on a seismic shift in the definition of luxury.

"Experiential luxury is the new currency. Our data confirms that in today's market, the highest ROI and enduring value comes from moments that cannot be replicated. At WATG, we don't just design spaces; we orchestrate the precise emotional connections that define the guest experience. This connection transforms a property from a simple investment into a lasting, meaningful asset," Moore explains.

This philosophy is rooted in WATG's 'people-first' approach which seeks to deepen the human connection with spaces. By prioritising long-term wellness and environmental responsibility, the firm's commitment to giving back more than it takes from the land is most clearly expressed through its holistic, sustainably-minded landscape architecture.

This regional-led design excellence is being celebrated locally. WATG was honoured with two Merit Awards at the SLAA 2025 gala held last Friday on 14 November 2025 for two projects in Vietnam: Hoiana Resort & Golf (Completed) and Izumi Waterfront City (Concept). This latest local recognition for Hoiana adds to its long list of global accolades, including being named 'World's Leading Fully Integrated Resort' by the World Travel Awards (2024) and one of the 'Best Integrated Resorts in Asia' by Travel + Leisure.

Ronnie Tan, Creative Director of Landscape at WATG and Past President of Singapore Institute of Landscape Architects (SILA), highlighted the importance of this recognition.

"Our design philosophy is demonstrated through thoughtful landscape strategies. It is the thread that weaves through the entire guest experience and the 'built-in' wellness that guides how you feel," said Tan.

"As a Singaporean, I am incredibly proud that the creative vision for these international projects came from our Singapore studio. We are not just following global trends, we are exporting Singapore's unique design DNA, which intimately understands how to integrate nature, community, and hospitality together."

From its Singapore studio, WATG is steering its creative vision for the region, designing the next generation of iconic, human-centric destinations across Asia and the world.

About WATG

Celebrating its 80th anniversary in 2025, WATG is a world-leading integrated design firm specialising in hospitality, entertainment, and mixed-use destinations. Founded in 1945, the firm's services span advisory, master planning, architecture, landscape architecture, and interiors. Its acclaimed interior design studio, Wimberly Interiors, is consistently ranked among the Top 20 Hospitality Giants by *Interior Design* magazine. From a network of offices in the Americas, Europe, and Asia, WATG has designed internationally acclaimed destinations in over 170 countries for premier clients like Four Seasons, Hilton, Marriott, and Disney. WATG projects are celebrated for their timeless design, strong sense of place, and proven bottom-line success. Learn more at watg.com.

Equinix Deepens Clean Energy Commitment with Third Solar Agreement in Singapore

Equinix signs 10 MWp solar agreement with ESR and TEPCO HD to cement sustainability commitments to the Singapore Green Plan 2030

Equinix, Inc. (Nasdaq: EQIX), the world's digital infrastructure company[®], signed a solar energy Power Purchase Agreement (PPA) in Singapore with ESR-TEPCO SINGAPORE ASSETCO ALPHA PTE. LTD. (ASSETCO). ASSETCO is a special purpose vehicle established by ESR and Tokyo Electric Power Company Holdings, Inc. (TEPCO HD) — a partnership between one of Asia-Pacific's leading real asset managers and Japan's key power utility.

Equinix's third PPA in Singapore is expected to secure over 10 MWp of renewable energy through rooftop solar deployments from private commercial and industrial buildings nationwide, further supporting the nation's sustainability goals. The agreement also includes a strategic option to scale capacity over time, enabling deeper integration of rooftop solar across Singapore's commercial and industrial sectors. This positions Equinix to play a leading role in accelerating the nation's renewable energy transition and supporting long-term sustainability objectives.

Today's announcement demonstrates Equinix's ongoing efforts to integrate renewable energy into its operations while supporting clean energy deployment in the local markets where it operates. Scheduled to commence in 2026, this 20-year agreement will deliver renewable energy from the solar capacity of locally sourced rooftops.



Since 2024, Equinix has signed three new PPAs, which are projected to result in a total of 143.5 MWp of renewable energy. Once this solar capacity becomes operational, the annual equivalent of avoided

carbon dioxide emissions will be approximately 55,000 metric tons, supporting the company's climate goals while contributing to Singapore's Green Plan 2030.

Yee May Leong, Managing Director, Singapore, Equinix, said, "Digital infrastructure powers Singapore's economic growth, and Equinix is proud to grow alongside the nation—guided by shared values of sustainability, innovation, and resilience. Our PPA with ESR and TEPCO HD reflects our commitment to clean energy and collective action, supporting Singapore's Green Plan 2030 and a greener future for all."

Highlights/Key Facts:

- Established in 2023, ASSETCO is developing a rooftop solar PV corporate PPA initiative across the Asia-Pacific region, targeting the installation of 100 MWp of rooftop solar power generation capacity, primarily on logistics warehouses and data centers.
- In April 2024, Equinix signed its first long-term PPA in Singapore with Sembcorp Industries, which is expected to result in about 75 MWp of solar energy starting from January 1, 2027.
- In December 2024, Equinix signed its second long-term PPA in Singapore, securing up to 58.5 MWp of solar energy from JTC's properties on Jurong Island, commencing in 2029.
- Including this newly signed PPA, Equinix has executed 27 PPAs globally across 11 countries, including India, Japan and Australia, bringing its total portfolio to more than 1.3 GW of new wind and solar capacity.
- In 2015, Equinix was the first in the data center industry to set a 100% clean and renewable energy coverage goal by 2030. Today, Equinix has achieved 96% renewables coverage globally.

About Equinix

Equinix, Inc. (Nasdaq: EQIX) shortens the path to boundless connectivity anywhere in the world. Its digital infrastructure, data center footprint and interconnected ecosystems empower innovations that enhance our work, life and planet. Equinix connects economies, countries, organizations and communities, delivering seamless digital experiences and cutting-edge AI—quickly, efficiently and everywhere.

About ESR

ESR is a leading Asia-Pacific real asset owner and manager focused on logistics real estate, data centers, and energy infrastructure that power the digital economy and supply chain for investors, customers, and communities. Through our fully integrated real asset fund management and development platform, we strive to create value and growth opportunities for our global portfolio of investors. We offer our customers modern space solutions to realize their ambitions across Australia and New Zealand, Japan, South Korea, Greater China, Southeast Asia, and India, including a presence in Europe. Our purpose, Space and Investment Solutions for a Sustainable Future, drives us to manage sustainably and impactfully for the communities we serve to thrive for generations to come. Visit www.esr.com for more information.

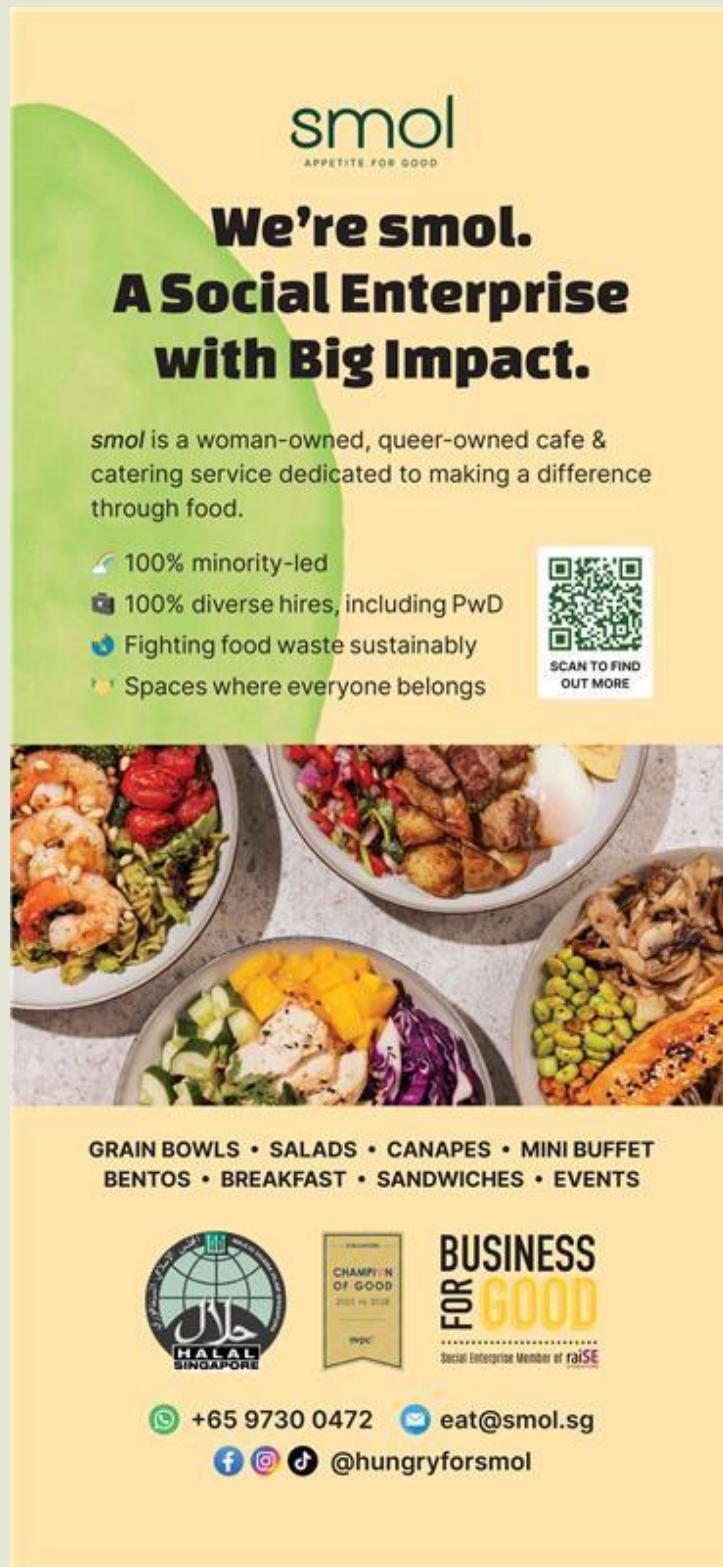
About TEPCO

Tokyo Electric Power Company Holdings, Inc. (TEPCO) is Japan's largest power company group and comprised of four independent business entities: TEPCO Fuel & Power, Inc., TEPCO Power Grid, Inc., TEPCO Energy Partner, Inc., and TEPCO Renewable Power, Inc. The Group generates, distributes and sells electricity and other types of energy principally in the Kanto Region, which includes Japan's two most populous urban centers, Tokyo and Yokohama. TEPCO's 37,939 employees are committed to providing safe, reliable power as well as fulfilling its responsibilities to the communities of Fukushima (as of March 31, 2022).

smol is a raiSE-registered Social Enterprise focused on creating meaningful employment opportunities for marginalized communities. Currently, 50% of our team comprises Persons with Disabilities (PWDs), and among the rest, several come from marginalized communities such as LGBTQ+ individuals and the ex-incarcerated. As a result, all sales directly support the livelihoods of these individuals and help us continue building an inclusive workforce.

We're also proud to share that smol was recently recognised as a Champion of Good and awarded the Enabling Mark (Silver) for our social impact and inclusive employment practices.

On the environmental front, we partner with companies such as Muuse and Yindii to reduce waste, and we track our food wastage, energy, and water consumption. Whenever possible, we source locally — with 90% of our café menu featuring local produce.



smol
APPETITE FOR GOOD

We're smol. A Social Enterprise with Big Impact.

smol is a woman-owned, queer-owned cafe & catering service dedicated to making a difference through food.

- 100% minority-led
- 100% diverse hires, including PWD
- Fighting food waste sustainably
- Spaces where everyone belongs

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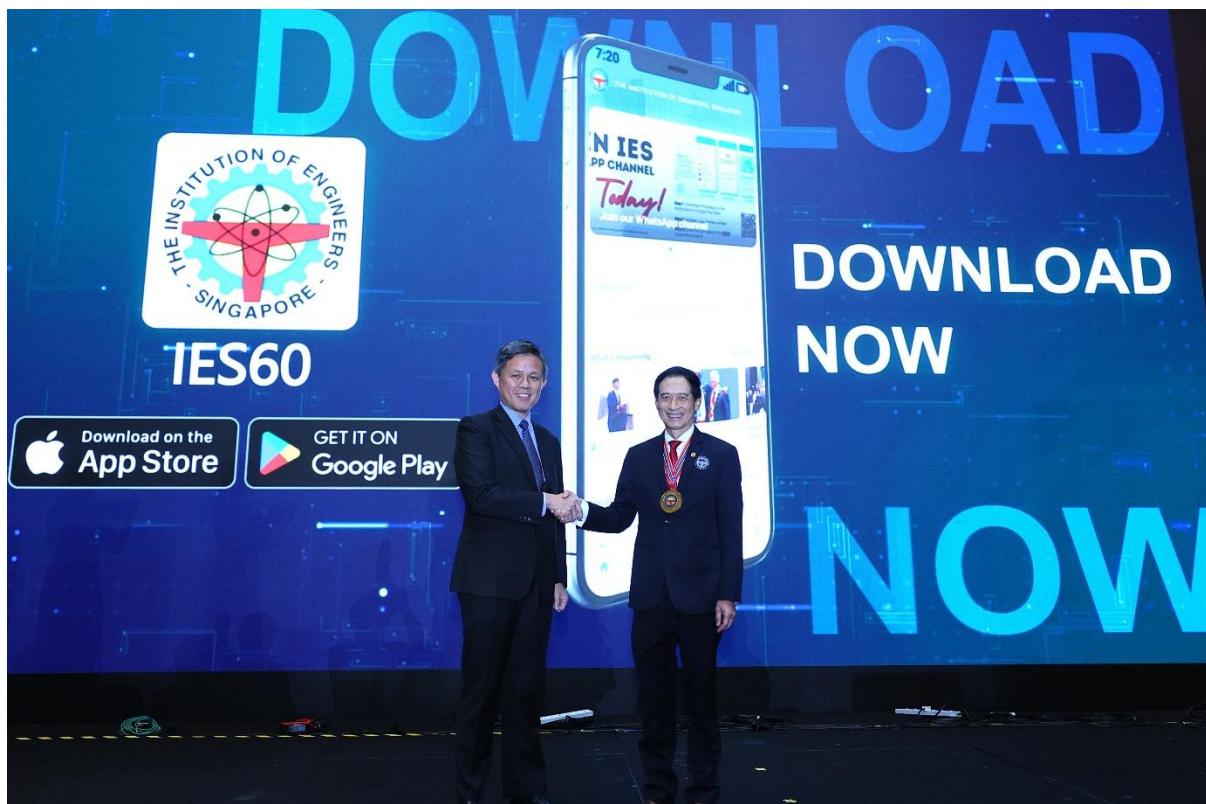
+65 9730 0472 eat@smol.sg
   @hungryforsmol

Engineers Celebrate the Next Chapter of Nation-Building: IES Kicks Off 60th Anniversary Journey at 59th Annual Dinner

Guest-of-honour Mr Chan Chun Sing, Coordinating Minister for Public Services and Minister for Defence in attendance to witness the launch of two notable initiatives

The Institution of Engineers, Singapore (IES) celebrated its 59th Annual Dinner today under the theme **“Engineering Our Singapore Together”**, spotlighting the vital role of engineers in shaping a sustainable and innovative future for the nation. The event was graced by guest-of-honour Mr Chan Chun Sing, Coordinating Minister for Public Services and Minister for Defence, with over 1,100 guests from government, industry and academia in attendance.

As Singapore commemorates SG60 this year, IES also marked the start of its own 60th anniversary journey, reaffirming its commitment to nation-building through innovation, professional excellence and partnerships that will carry Singapore into the next decade of growth.



Minister Chan witnessed the unveiling of two key initiatives that signal a new era of digitalisation and recognition for the profession:

- **Launch of the new IES60 App** – Singapore’s first institutional app with full Customer Relationship Management (CRM) integration, designed to provide seamless engagement for members and non-members through features such as membership management, Continuing Professional Development (CPD) tracking and event registration.
- **Unveiling of the IES-SG60 Commemorative Booklet** – a special publication chronicling six decades of engineering milestones that powered Singapore’s growth, celebrating the ingenuity, resilience and vision of the nation’s engineers.

“Engineering has always been at the heart of Singapore’s progress. As we approach IES60, we renew our resolve to empower engineers to build a greener, smarter and more resilient Singapore. These milestones mark not just our embrace of digital transformation, but also our tribute to the engineers who built Singapore’s foundations and continue to shape its sustainable future,” said Er. Chan Ewe Jin, President of IES.

Honouring Distinguished Engineering Leaders & Partners



During the dinner, IES paid tribute to visionary engineering leaders whose contributions have shaped Singapore’s infrastructure, economy and society. Their achievements exemplify the innovation, resilience and leadership that continue to drive the nation forward.

Professor Lim Siong Guan was honoured with the IES Lifetime Engineering Achievement Award 2025, in celebration of his extraordinary influence and inspirational leadership over a distinguished 50-year public service career.

Mr Desmond Tan, Senior Minister of State in the Prime Minister’s Office and Deputy Secretary-General of NTUC, was conferred the title of IES Honorary Fellow for his steadfast advocacy of engineers at IES and Singapore’s nation-building.

Inspiring the Next Generation of Engineers

Minister Chan also presented the IES Prestigious Engineering Achievement Awards 2025, which recognise projects that exemplify outstanding engineering innovation and significantly enhance Singapore’s development and quality of life. Emerging out of a rigorous evaluation of 32 submissions, the following seven projects are this year’s winners:

Applied Research and Development

- Land Transport Authority – Large-Scale Fire Tests to Validate Electric Bus Safety in Singapore

Engineering Project

- Housing & Development Board – Innovative Building Maintenance Solutions: CRR and Microwave Scanning Technology
- China Communications Construction Company Ltd and One Smart Engineering Pte Ltd – Construction of Viaduct and Tunnels for Rapid Transit System (RTS) Link
- Land Transport Authority – Thomson East-Coast Line Stage 4 – Engineering Sustainability and Excellence in Singapore's Rail Corridor
- Defence Science and Technology Agency – SAFTI CITY – The SAF's Next Generation Smart Training Facility

Technology Innovation

- Land Transport Authority – Smart and Energy Efficient Street Lighting System with Remote Control and Monitoring System (RCMS)
- A*STAR. Institute for Infocom Research – 'Autonomous Collaborative Patrolling Robots

The **IES Sustainability Awards** 2025 were also conferred to honour forward-looking initiatives that promote sustainable practices and environmental stewardship through engineering excellence. A total of four winners clinched the awards from a total of 11 project submissions:

Promising Start-ups for Sustainability

- CRecTech Pte Ltd – Catalytic Innovation Enabling Affordable Green Bio-methanol

Innovative Solutions for Sustainability

- National University of Singapore – SHINE: Self-healing actuatable electroluminescent fibre for sustainable interactive technologies
- Samwoh Corporation Pte Ltd – Effective Use of Sedimentary Rock from Jurong Rock Caverns in Structural Concrete for Building Construction
- Nanosun Pte Ltd – nanobubble Catalytic Oxidation System (n-COS)

Enterprise Singapore (EnterpriseSG) clinched the IES Outstanding Partner Award 2025 for its significant contributions to IES and for making a profound impact on the practice of engineering in Singapore.

Birthing a New Era of Student Scholarships

In line with its mission to nurture the next generation of engineering talent, IES also presented its inaugural student scholarship awards to six recipients. These awards underscore the institution's commitment to supporting promising young engineers in their academic pursuits and professional growth, ensuring a strong and sustainable talent pipeline for Singapore's future.

IES Scholarship Awards 2025

University Category

- Rachael Chan Wen Xuan, Bachelor of Engineering in Civil Engineering, Nanyang Technological University
- Joseph Tan Xue Xian, Bachelor of Mechatronics Systems, Singapore Institute of Technology
- Hansini Prisha Kannan, Bachelor of Electrical Engineering, National University of Singapore

Polytechnic Category

- Chris Goh, Diploma in Robotics and Mechatronics, Nanyang Polytechnic

ITE Category

- Ahmad Danish Bin Johan, Higher Nitec in Electronics Engineering, ITE College Central
- Kayden Koh, Nitec in Aerospace Technology, ITE College Central

IES-Yayasan Mendaki Scholarship 2025 – awarded to two tertiary Malay/Muslim engineering students with outstanding academic performance.

- Muhammad Tsaqif Bin Yusoff, Bachelor Of Engineering in Electrical and Electronic Engineering, Nanyang Technological University
- Ayumi Erraziqa Binte Mohd Imran Lau, Diploma in Aerospace Engineering, Republic Polytechnic



About The Institution of Engineers, Singapore

The Institution of Engineers, Singapore (IES) was formally established in July 1966 as the national society of engineers in Singapore. IES is the premier engineering institution in Singapore and is called upon by the Government to provide feedback on professional engineering matters.

IES is well represented among the faculty members of the major engineering institutions of higher learning in Singapore. Through close collaboration with the local universities and polytechnics, IES organises courses, seminars and talks for engineers and IES members to advance the continuous development of engineers.

The Institution maintains close links with professional organisations of engineers regionally and throughout the world. These include organisations in Australia, China, Japan, United Kingdom and the United States. The Institution also represents Singapore in the ASEAN Federation of Engineering Organisations (AFEO) and the Federation of Engineering Institutions of Asia and the Pacific (FEIAP) in promoting goodwill and fellowship among all engineers in ASEAN and the Asia-Pacific region.

Through its Engineering Accreditation Board (EAB), IES obtained full signatory status in the Washington Accord (WA) in June 2006. The entry grants IES the authority to represent Singapore, the first country within the ASEAN region which has obtained full signatory status in the WA, to vet education systems under the WA mutual recognition framework.

For more info, visit www.ies.org.sg.

Drive For Good 2025: Empowering Youths Through SIM Racing and Community Connection

Global Switch and Legion of Racers join forces to inspire confidence, teamwork, and life skills among aspiring youths from Singapore's impact-driven non-profits, SHINE and MTFA



Global Switch, a leading provider of mission-critical, high-performance data centre solutions across Europe and Asia-Pacific, has partnered with Legion of Racers (LOR), Singapore's leading esports and lifestyle brand, to hold Drive For Good 2025.

Held at Singapore's first wellness-themed serviced residence, The Initial Sama on 26 Evans Road, the programme welcomed approximately 50 young people – identified as those who might benefit most from support and access to opportunities. Working alongside beneficiaries from the Muslimin Trust Fund Association (MTFA) and SHINE Children and Youth Services (SHINE), the programme provided a series of practical, confidence-building activities designed to support personal development, teamwork and essential life skills.

Inspiring the Next Generation

A key feature of the programme was an immersive SIM Racing experience using LOR's professional racing rigs. Through friendly competition, participants were encouraged to practice focus, discipline and perseverance – attributes that play an important role in early social and emotional development.

“It was truly inspiring to see the children so engaged and immersed in the activities. It reminded us why we partnered with Global Switch on Drive For Good in the first place,” said Lim Keong Wee, Co-Founder of Legion of Racers. “Drive For Good is about more than just racing – it is about giving these young people a chance to bolster focus, form lasting friendships, and learn the value of healthy competition.”

Participants also took part in a fast-paced Time Trial challenge, competing to complete a set distance in the shortest possible time. The contest fostered camaraderie, with participants supporting one another and celebrating the collective excitement of simulated motorsport.

The Drive For Good initiative reflects Global Switch's long-standing commitment to the communities in which it operates. By empowering young people, the company continues to support opportunities for learning, growth and aspiration, helping to train the next generation of talent in the local workforce.

"At Global Switch, we believe our strength is built on people – both within our organisation and across the communities we serve," said Terence Teo, Managing Director, Global Switch Singapore. "Drive For Good reflects our continued commitment to supporting personal development and creating opportunities for young people. The energy and enthusiasm we saw on the day demonstrated the real impact initiatives like this can have. We are proud to work alongside Legion of Racers, SHINE and MTFA to deliver such a positive and inspiring programme."



Sustaining Youth Empowerment

Muzdalifah Anuar, Darul Ihsan Girls' Orphanage Home Manager further remarked: "We are grateful to Global Switch and Legion of Racers for providing our beneficiaries with such a positive and empowering experience. The activities gave them confidence, encouraged teamwork, and created lasting memories."

"Drive For Good has once again proven the power of collaboration," said Ms Sasha Ho, Assistant Senior Social Worker, SHINE Children and Youth Services. "Our young people were wholly engaged in the activities and finished the day feeling inspired. Events like Drive For Good are a reminder that, together, we can open doors for future generations one step at a time."

International Aquatic Technology Innovation and Cooperation Conference Held in Shanghai

Zebrafish Capital Targets Global Two-Way Flow of Industrial Technologies

On November 20, 2025, the "Blue Granary · Green Growth: International Aquatic Technology Innovation Conference" was held in Chongming, Shanghai. The event was co-hosted by Shanghai Chongming Modern Agricultural Development Group, Zebrafish Capital, and Huajing Silicon Valley (Shanghai) Agricultural Development Co., Ltd., with academic support from Shanghai Ocean University. Representatives from government agencies, research institutions, industry associations, academic societies, and enterprises from China, Singapore, Malaysia, and other regions explored new strategies for innovation and sustainable development in aquatic science and technology.

Mr. Dong Weiguo, Deputy Director of Enterprise Singapore East China, delivered remarks at the conference. He emphasized that Singapore places great importance on deepening collaboration with Shanghai in modern agriculture, aquatic technology, and food innovation. Both sides see vast opportunities in industrial transformation, technological cooperation, enterprise landing, and talent exchange.



Mr. Xiao Lifeng, General Manager of Shanghai Chongming Modern Agricultural Development Group, introduced Chongming's foundations and development direction in green agriculture and modern aquaculture. As China's national ecological island, Chongming is advancing green agriculture, smart fisheries, and low-carbon industry systems, offering favorable conditions for technology demonstration, achievement transformation, and international cooperation. The conference will further enhance regional innovation synergy in aquatic technology.

The conference agenda centered on three themes: Blue Granary, Green Growth, and International Collaboration, featuring speeches from experts worldwide.

Researcher Gao Hongquan from the National Aquatic Technology Promotion Center of the Ministry of Agriculture and Rural Affairs presented policy insights on fishery economic trends under the 14th Five-Year Plan and strategic considerations for the 15th Five-Year Plan. Professors Liu Liping and Wang Chun from Shanghai Ocean University shared research findings on high-quality development in Chinese aquaculture and the "rice-fish symbiosis" ecological farming model. Representatives from Singapore and Malaysia discussed frontier developments in tropical oyster centers, sustainable urban aquaculture, emerging application scenarios, and advanced food safety systems.

Multiple international cooperation agreements were signed during the event. Four Singaporean organizations—Mushroom World Academy, Kinross, Innovate 360, and Blue Aqua International—signed entry agreements with the Yangtze River Delta Agricultural Silicon Valley in Chongming, covering fields such as functional food ingredients, food processing, high-density recirculating aquaculture, and soil remediation.

Three strategic cooperation agreements involving cross-border scientific research communities and the international transfer of modern Chinese agricultural solutions were signed, covering the regional expansion of the rice-fish symbiosis model in Southeast Asia, next-generation "fishery–photovoltaic integration" projects, and the development of modern agricultural application scenarios.

The conference also hosted roundtables on "Regional Collaboration in Modern Aquaculture Development" and "Innovative Pathways for Eco-friendly and Antibiotic-Free Aquaculture." Participants from research institutions, water authorities, industry associations, enterprises, and investment organizations engaged in discussions on green farming, AI-enabled technology, ecological governance, and industrial upgrading.

As one of the event's organizers, Zebrafish Capital, headquartered in Singapore, was founded by major food industry leaders and investment institutions. The firm focuses on incubating and investing in global agri-food technology projects while promoting the export and internationalization of high value-added and specialty food products from China. Powered by both international market demand and technical application scenarios, Zebrafish Capital aims to help local governments build differentiated, regionally competitive industry ecosystems.

"Agriculture connects humanity, the environment, and the future," said Henry Sim, CEO of Zebrafish Capital. "We hope to use Singapore as a bridge to build an agricultural technology platform that combines innovation and demonstration through technology and capital." According to Henry Sim, Zebrafish Capital's overseas agricultural investments are progressing steadily, while its domestic private equity investment platform is under active preparation and is expected to begin operations in the first half of next year.

Leveraging Singapore's strengths in agricultural technology innovation, food safety, and global collaboration, Zebrafish Capital continues to serve as a connector of transnational resources, a driver of international cooperation, and a promoter of industrial ecosystems. The firm is deeply engaged in Chinese agricultural science parks, green foods, alternative proteins, and modern agricultural equipment, fostering cross-border resource integration, two-way technology transfer, and mutually beneficial market development.



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GREEN IN FUTURE PTE LTD, Reg No. 201627389Z
14, Robinson Road, 08-01A, Far East Building, Singapore-45.
Tel: +65-9737 9356 (WhatsApp only)
Email: paru@greeninfuture.com
www.greeninfuture.com