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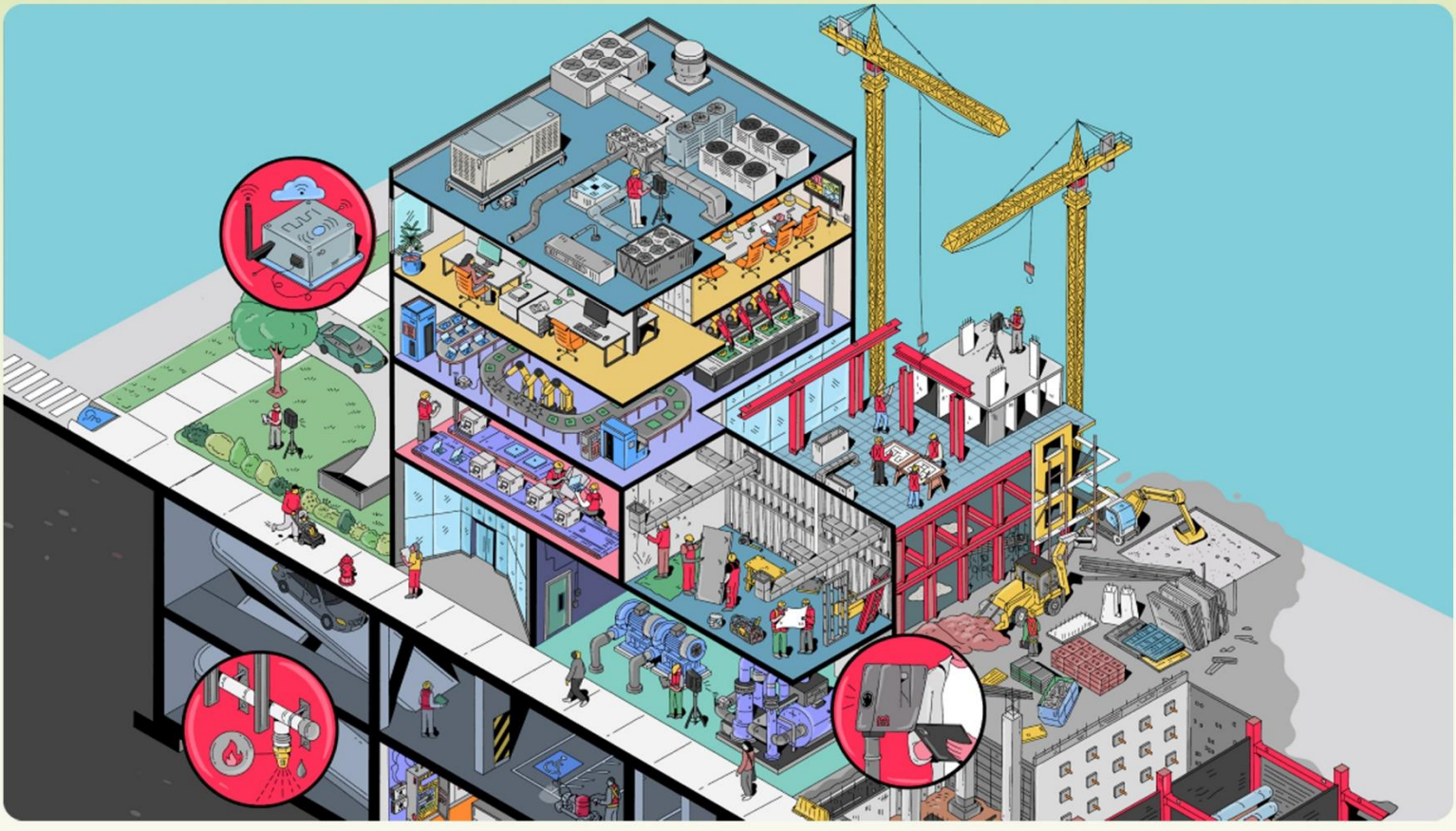
Matterport: a Sustainable Virtual Solution from Board to Building



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INTRODUCTION

We at Green in Future present the various trainings and workshops we conduct based on our motto:

- promote AWARENESS
- change ATTITUDE
- help to ADOPT

We aim to promote sustainability to the masses by bridging the gap between the technology and the common man and have some offers for the festive season. To know more, contact us at:

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Matterport: a Sustainable Virtual Solution from Board to Building

It is common knowledge that the construction industry contributes the maximum to carbon emissions and global warming. With climate targets getting more comprehensive across nations, and sustainability becoming not just a necessity but also an attractive market for clients, investors, and tenants alike, energy efficient designs are becoming a necessary and lucrative solution to combat demand and environmental challenges. In such a scenario, it becomes necessary to embrace sustainable solutions at the drawing board itself, and continue it through pre-construction, construction, post-construction, and demolition stages.

This is where smart technologies, and advanced digital tools can facilitate the journey of a project into an efficient result. Matterport is one such company where digital visualisation is made possible for designers, stakeholders, clients, and potential tenants, not just before construction, but also during and post construction, that is during its operational phases.

What does Matterport do?

Matterport is a spatial data platform that turns building data into 3D visuals and models. The model provides optimal visualisation and BIM/CAD file outputs for design teams to propose designs, which is then used by different construction teams to add, edit, and track progress and issues before and during construction. It can also be used for as built structures to progress, detect issues early, support remote inspections, and even to promote the property. So, this becomes a useful tool in the construction, facility management, and real estate industries.

Matterport offers an array of services and tools for 3D visualisation, drawings, editing, marketing, facilities management, security, and property analytics. The whole software-as-a-service package covers services needed to design, build, and manage any structural project. It also provides a platform to collaborate with all the teams involved in the project that helps in taking unified decisions, detecting issues early on, and facilitating effective solutions. With project sustainability becoming increasingly critical, Matterport has proven to support sustainable construction and property management.

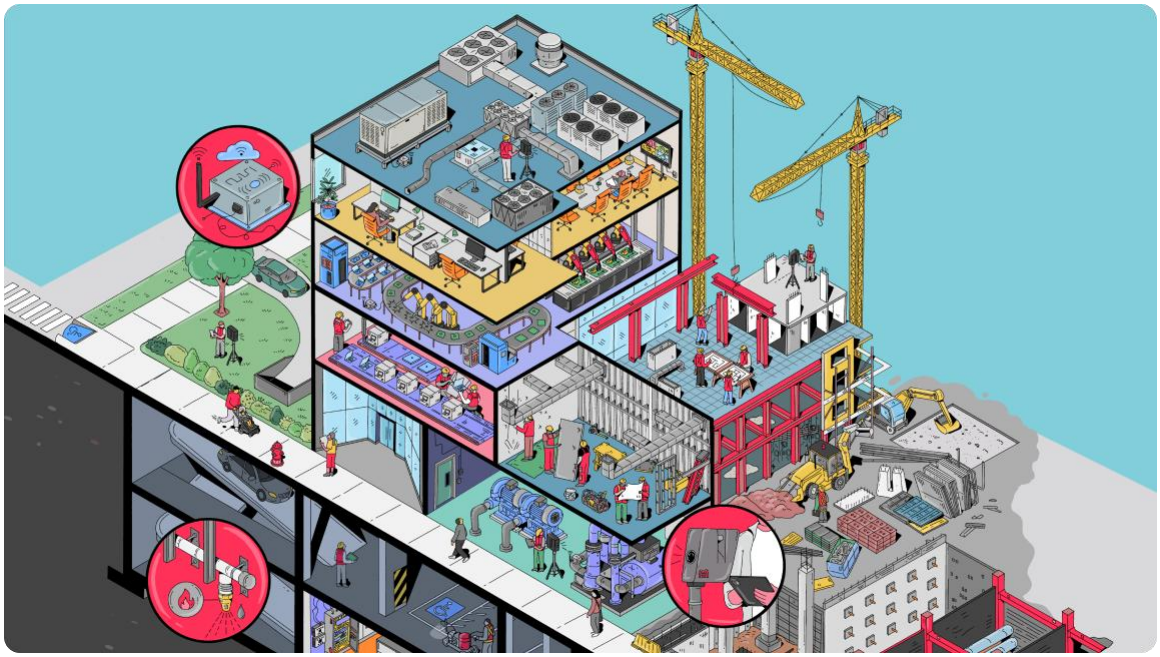
How can Matterport help you?

Matterport's speciality lies in the ability to digitally capture a potential or already built structure and evaluate, track, and maintain its operation during and post-build. This is very effective in estimating or assessing material and cost estimations for a project (e.g. in fit-out or restoration projects), reducing site visits during build-phase, significantly lowering carbon emissions for construction projects across vast regions or countries. It can also help in obtaining the values for reporting.

At every phase, it also supports with risk mitigation by offering a dimensionally accurate 3D visualisation layer to centrally reference data across design, construction, and operations; departments that are traditionally fragmented and cause rework and material wastage because of lack of effective collaboration.

Stage	Sustainability impact enabled by Matterport
Design & Planning	• Accurate as-built capture, and timely rectifications reduces redesign and material waste • BIM integration improved issue resolution and reduced site visits
Construction	• Remote collaboration cuts travel and prevents rework
Handover	• Digital documentation ensures continuity and less data loss
Operations & FM	• Ongoing digital twin supports energy optimisation and maintenance planning – when layered with operational information • Potential for companies to digitise hundreds of properties • Reduced site inspections and travel • Enabled smarter asset management at scale

What actions help elevate sustainability in your project?



Building responsibly not only includes activities at the time of construction but starts before, at the planning stage, and lasts much longer, throughout the lifecycle of the structure up till its demolition. These include:

1. **Site assessment** – The location of the building has always been of prime importance; it heavily depends on the type of project and accessibility. Access to public transport can reduce carbon emissions, tapping into already available infrastructure reduces the need to provide newly built infrastructure, and having a naturally occurring ecosystem that has preservation plans in place can be consciously and meticulously integrated into the new project to help protect and enhance the environment.
   Matterport helps with site assessment and providing digital twins for the existing conditions of the site which can be shared across teams and cognisant decision making becomes easier. This could also reduce site visits which would add to carbon emissions.
2. **Material selection** – Care should be taken to understand the embodied carbon of all materials used in the building, information on the material's sourcing, manufacturing, usage, and disposal should be clearly determined to calculate the actual carbon content. Intentionally choosing materials that are locally available and have lower impacts can considerably help to make the project more sustainable.
   In this regard, Matterport offers digital twin technologies that provide accurate spatial dimensions to help surveyors accurately estimate materials required to support sourcing to installation. This makes gathering and organising data seamless and ensuring that the choices align with the sustainability goals of the project.
3. **Energy-efficient systems** – Systems that involve natural and renewable resources like solar power, passive cooling and heating, geothermal energy, and wind energy aid in reducing the dependence of the built structure on artificial forms of energy. Gathering sufficient data on how these systems will function at the time of designing can assure clients of its function as a sustainable design.
   Digital twin and IoT technologies from Matterport help to visualise the systems in a building at the design phase itself and tweaks can be made between teams to achieve the desired results. At the operational stage, these systems can also be real-time monitored for optimal use through their services for recording, maintenance, and repair.

4. **Waste management** – Managing waste has always been a difficult task, especially from construction sites as the amount is always enormous. Planning how much waste would be generated, where it would go, possibilities for reuse and recycling can go a long way in reducing waste and efficiently managing it. Having clarity at how much material is needed, proper use of that material, and sourcing recycled or reusable materials are conscious choices in a sustainable project.
   With technologies that provide accurate data on the quantity and quality of materials to be used in a project, material waste can be reduced. Matterport's BIM clash detection can prevent construction and installation errors, helping to reduce waste generation even before construction begins.
5. **Certifications** – Sustainability is not just a trend or a fancy word today, there are many agencies that identify it and presents awards, certifications, and recognition for projects that cater to the frameworks and standards of performance. Be it LEED, BREEAM, WELL, LBC, each have their own set of assessment criteria like energy, materials, well-being, and other positive impact creating benchmarks that can create notable fame to the building.
   Technologies that are provided by Matterport can not only assist in checking and aligning the performance of the buildings with the standards but also give information to agencies to make an educated decision on certifying the structure. Creating digital twins can make the analysis easier.
6. **Indoor Environment** – As a built structure, its main task is to provide shelter to protect from any natural occurring calamity. While this may be the basic requirement; with humans tend to stay more indoor than outdoors, it becomes necessary to make the indoor environment comfortable, healthy and productive. Optimising natural ventilation, natural daylighting, and limiting toxicity in the indoor environment becomes equally significant when designing. This can reduce cost along with reducing carbon emissions.
   IoT technology from Matterport helps to assess how the building will perform before occupation which helps to change the spaces to facilitate maximum comfort to users. Using it during the operational phase can give real-time data that can ensure prompt maintenance and repair.
7. **Collaboration** – A key factor in making successful projects is collaboration. And in many cases, the collaborators are in different locations around the globe, making it tough to work and solve issue together. Having a common document that has the structure model with all data can help to reduce time on working out issues and challenges.
   With digital documents, it becomes easier for all teams to access and make necessary changes as the design evolves and as and when issues or repairs arise. Digital twins' technology provided by Matterport can enable lesser site visits and document progress daily reducing delays, travel time, and material use. This presents a more sustainable mode of working, especially when projects involve international stakeholders.

What are the tangible advantages of using Matterport?

The main advantages of using Matterport's services are three-fold:

- It potentially reduces unnecessary site visits and rework, saving time and money
- It facilitates better coordination and decision-making through shared data, that accounts for fast, optimal solutions

- It helps to extend the lifecycle value of buildings beyond handover because contractors can provide longer term support to a building even if there are changes in usage, ownership, management modes over time.

With Matterport's technology, it becomes easier to collaborate, organise, resolve, and take decisions across stakeholders. This saves time, energy, and money while reducing carbon emissions and allowing for designing a truly sustainable project. It becomes easier to manage when clients adopt the technology as an asset and start capturing digitally from the bid or early planning stage and use it till the end of the lifecycle of the building.

Traditional Methods vs. Digital Twins

Challenges		Outcomes	
95%	of all data captured in construction and engineering industry goes unused Source: FMI	53%	Cost savings on travel & site visits
52%	of rework is caused by poor project data and miscommunication Source: Autodesk	30%	Less time to complete projects
24%	of total project cost (direct or indirect) is rework Source: Navigant Construction Forum	24%	Improved sustainability

Matterport's journey in Sustainability

As a company, Matterport has also inculcated actions that provide results in a positive impact, not just through their services but also as a holistic approach towards their ESG goals. They gather data on their own greenhouse gas emissions to measure, monitor, and effectively reduce their carbon footprint. They make sure to work with partners who are able to provide full data on their emissions to ensure transparency throughout the collaboration. Their ESG 2023 report can be accessed here.

Mark Teo

Mark Teo is a seasoned sales and business leader with over 20 years of experience driving growth and transformation across the Asia-Pacific region. Currently serving as Senior Director of Commercial, APAC at Matterport (CoStar Group), Mark brings deep expertise in helping organizations leverage Digital Twin technology to transform the built environment.

Beyond corporate leadership, Mark is an active contributor to industry knowledge sharing. Mark has spoken at SCAL (Singapore Contractors Association Ltd.) and SIBL (Singapore Institute of Building Limited) seminars, as well as industry workshops and webinars across Southeast Asia and Australia. These sessions focus on virtual inspection and digital documentation workflows using Digital Twin technology—an innovative approach that integrates building facility management, smart construction, and professional project management.

Matterport is transforming the way physical spaces are viewed and managed. How do you see digital twins improving operational efficiency, ESG reporting, and contributing to sustainability goals in the built environment across Asia-Pacific?

Digital twins are increasingly becoming a strategic asset across Asia-Pacific and Australia, where diverse building portfolios and regulatory pressures demand smarter, more sustainable operations.

Creating a dynamic, data-rich replica of physical spaces, digital twins enable stakeholders to move from reactive to predictive management - reducing site visits, streamlining maintenance, and improving asset lifecycle planning. This is particularly valuable in geographically dispersed markets like Australia and Southeast Asia, where operational efficiency directly impacts cost and carbon footprint.

Digital twins provide a verifiable, visual layer to track building performance, support audit readiness, and enhance transparency in reporting. They help bridge the gap between design intent and operational reality, enabling teams to monitor energy usage, space utilisation, and compliance more effectively.

Ultimately, digital twins support sustainability goals by minimising travel, reducing rework, and enabling data-driven decisions that optimise resource use. As governments and enterprises across APAC accelerate their net-zero commitments, digital twins will support how the built environment is sustainably documented, managed, and improved over time.

Singapore and other regional cities are extensively accelerating smart city initiatives. How much can spatial data and AI-powered digital twins help in future urban planning and green infrastructure management?

Spatial data and AI-powered digital twins are reshaping how urban environments are digitally planned, managed, and sustained.

Matterport's core value lies in its ability to quickly and accurately digitise real-world spaces into immersive, data-rich 3D environments. This creates a single source of truth for planners, builders, and project managers to collaborate better and reduce fragmentation in decision-making.

For urban planning, this means faster site

analysis, more informed design scenarios, and the ability to reduce rework by identifying and rectifying defects as projects progress. In green infrastructure management, digital twins provide a scalable way to monitor assets, optimise maintenance cycles, and support property lifecycle planning—all while reducing the need for repeated physical inspections.

Matterport uses AI to speed up the creation of spatial datasets from days to minutes, allowing building contractors and operators to unlock deeper insights on their assets, such as identifying inefficiencies, predicting maintenance needs, and improving resource allocation. Ultimately, Matterport enables cities to move towards more resilient, data-driven urban ecosystems, supporting smarter growth while advancing sustainability and net-zero goals.

How has the demand for digital twin technology evolved since the pandemic? What are the sustainability benefits emerging from this shift, especially since industries are increasingly adopting remote collaboration tools?

Since the pandemic, we have observed more small to mid-sized construction firms adopting digital twin technology. It is no longer regarded as a niche innovation but rather as a sound investment for as-built documentation, boost remote collaboration, operational continuity, and resilience.

Pre-pandemic, digital twins were primarily used for documentation, visualisation, and improving on-site workflows. For example, Takenaka Corporation leverages Matterport for building surveys and project collaboration.

This value expanded significantly post pandemic, as organisations rapidly adopted digital twins to enable remote site access, virtual inspections, and distributed decision-making. For example, construction teams used Matterport to allow stakeholders to "walk" sites virtually, reducing physical visits while maintaining coordination and project accuracy. This shift has persisted, with virtual inspections and remote collaboration now seen as standard practice rather than contingency.

Read more about Matterport's customer's transition through covid and realising digital twin value-added use cases.

Ultimately, the pandemic accelerated adoption by reframing digital twins as a platform for smarter, lower-carbon ways of working—enabling organisations with regional/ international business operations to scale operations, reduce travel, and embed sustainability into everyday workflows.

As climate resilience becomes a bigger priority, how can digitalisation help businesses and governments better prepare for risks such as extreme weather, ageing infrastructure, or resource constraints?

As climate resilience takes an elevated spotlight, digitalisation - particularly through digital twins - is enabling organisations to shift from reactive response to proactive risk management.

Digital twins create a dynamic, data-rich replica of infrastructure, allowing businesses to simulate wayfinding and emergency response plans in various scenarios. This means responses to flood events, heatwaves, or system failures can be modelled in advance, helping identify vulnerabilities and prioritise investments before disruption occurs.

Real-world applications already show this impact. In disaster response, Matterport digital twins are being used to document and assess damage after hurricanes, reducing repeat site visits and accelerating recovery workflows. In public safety, digitally mapped buildings have helped first responders drastically improve preparedness, cutting response and search times by enabling detailed pre-incident planning.

For ageing infrastructure, digital twins consolidate fragmented records into a single, accurate source of truth, enabling remote audits and predictive maintenance. This reduces unplanned downtime and extends asset lifecycles while minimising resource use. Combined with IoT data, they provide real-time monitoring and early detection of risks, supporting faster, data-driven decisions without relying on manual inspections.

Ultimately, digitalisation equips businesses with the visibility and foresight needed to anticipate risks, optimise resource allocation, and build

more resilient, sustainable infrastructure systems.

In five to ten years, what innovations or trends do you believe will most significantly shape the future of sustainable buildings and smart spaces in the APAC region?

We will see more built environment players in APAC benefiting from the convergence of spatial data, AI, and connected ecosystems - turning buildings into intelligent, adaptive assets.

One of the most significant shifts will be the rise of AI-powered digital twins. Platforms like Matterport are already evolving from static 3D models into dynamic, data-driven environments where spaces can be analysed, optimised, and even redesigned automatically. Generative AI will enable stakeholders to simulate layouts, optimise space utilisation, and improve operational efficiency in real time while hitting sustainability goals. Matterport's customers are also realising measurable sustainability benefits. Danone reduced in-person site visits by up to 50%, cutting travel-related emissions while improving cross-border collaboration.

Closely linked to this is the integration of IoT and real-time data. Smart buildings will increasingly rely on connected sensors to monitor occupancy, energy use, and environmental conditions. Combined with digital twins, this creates a continuous feedback loop—allowing buildings to self-optimise, reduce energy waste, and respond dynamically to both user behaviour and climate conditions.

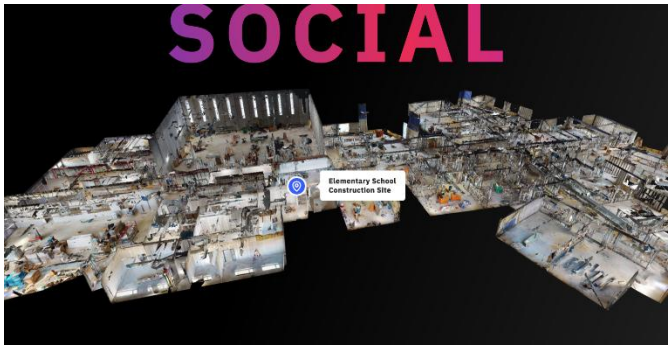
Finally, ESG and net-zero alignment will become embedded by design. Digital twins will serve as the foundation for enabling transparent reporting, and supporting circular, resource-efficient building strategies and minimising rework and wastage. Read how KLM used Matterport digital twins for remote training, lowering operational cost and carbon footprint.

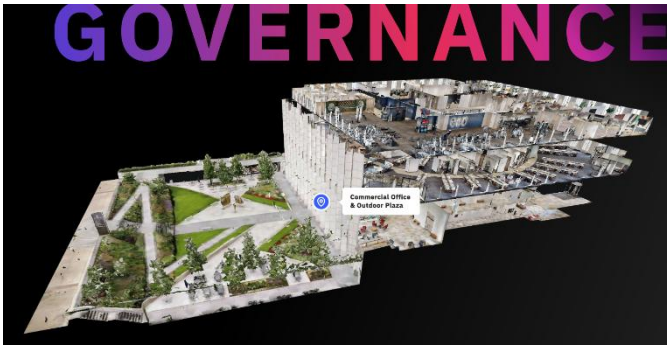
What excites you most personally about the intersection of technology, sustainability, and the future of the built environment?

From a Matterport perspective, we're moving beyond static documentation to creating living digital representations of the physical world - spaces that can be explored, analysed, and improved without the constraints of being on-site. This fundamentally changes how teams collaborate, make decisions, and manage assets across the entire lifecycle.

Such technologies when applied in construction manufacturing or real estate is innately supporting sustainability goals. When you can remotely access a site, reduce unnecessary travel, and eliminate rework through better visualisation and coordination, sustainability becomes embedded into everyday workflows—not treated as a separate initiative. Digital twins make it easier for organisations to operate more efficiently while lowering their environmental impact in very practical ways.

With the incorporation of AI, we're starting to see digital twins evolve into intelligent environments that can surface insights, optimise layouts, and guide better decisions in real time. Ultimately, we hope that Matterport can help our customers design and operate spaces that are not only more efficient, but also more sustainable and resilient by default.





Examples of Social and Governance Structures by Matterport's technology

WORLD CITIES SUMMIT 2026: A MILESTONE 10TH EDITION IN SINGAPORE Liveable and Sustainable Cities: ACT Now! 14 – 16 June 2026 | Suntec Singapore Convention & Exhibition Centre

The milestone 10th edition of the World Cities Summit (WCS) 2026 takes place in Singapore from 14 to 16 June this year. Organised by Singapore's Centre for Liveable Cities (CLC) and Urban Redevelopment Authority (URA), the biennial Summit is a global platform that convenes government leaders, industry experts, and academia to inspire conversations on cities, address urban liveability and sustainability challenges, share integrated urban solutions, and forge new partnerships.

The past nine editions of WCS have welcomed over 140,000 delegates, from more than 250 unique cities, including Ministers, Mayors, and other government leaders. In 2024, WCS hosted over 3,500 delegates from close to 100 cities, including 115 Ministers, Mayors, and Governors. Building on this momentum, WCS 2026 continues its commitment to urban excellence while emphasising the transition from dialogue to delivery and identifying priorities for action.

The 10th edition marks an important milestone in Singapore's role as a trusted global convenor of urban leaders, and as a springboard for further knowledge sharing and collaboration between cities. This edition reinforces the central role of cities in tackling pressing challenges such as climate change, housing, and sustainable infrastructure, while emphasising implementable outcomes and stronger city-to-city collaboration across the world. It reflects Singapore's continued commitment to advancing liveable and sustainable cities worldwide.

About WCS 2026

The theme for WCS 2026, **"Liveable and Sustainable Cities: ACT Now!"** is a rallying call for the urgent need to **Accelerate, Collaborate, and Transform** urban environments to create more liveable, resilient, and sustainable cities.

Participants can look forward to engaging discussions across six thematic tracks: **Cities for People, Resilient & Regenerative Cities, Smart Cities, Financing for Cities, Future Cities, and the WRLDCTY Connections Stage** – designed to address the most pressing issues and opportunities in urban development. Each track comprises high-level leadership plenaries, indepth discussion sessions, practitioner-led masterclasses, and special convenings and roundtables. These are organised with local agencies and partners, including international ones such as the World Bank Group, C40 Cities, United Nations Development Programme, Bloomberg CityLabs, and the Urban Land Institute (ULI) among others.

The Summit will host distinguished speakers and attendees. Non-exhaustively, some of them include:
• Lawrence Wong, Prime Minister and Minister for Finance, Singapore
• Chee Hong Tat, Minister for National Development, Singapore
• Indranee Rajah, Minister, Prime Minister's Office, Second Minister for Finance and Second Minister for National Development, Singapore
• Ministers & Regional Governors from Kenya, Indonesia, Malaysia, Philippines and Cambodia have indicated interest in attending WCS 2026.

• Mayors and city leaders from:

o Abu Dhabi	o Battambang	o Berlin	o Boulder
o Bogotá	o Bucharest	o Cape Town	o Chiang Rai
o Christchurch	o Doha	o Essen	o Freetown

o Heidelberg o Hobart o IRDA o Jakarta
o Kota Kinabalu o Madrid o Muscat o Penang Island
o Phnom Penh o Zhenjiang
o London - 2026 Lee Kuan Yew World City Prize Laureate)

10th Edition of WCS Showcases the Importance of City-to-City Collaboration

Contributing to the global urban agenda, WCS 2026 has attracted the participation of more international partners such as C40 Cities, CDP, EU International Urban and Regional Cooperation (EU-IURC), Intergovernmental Panel on Climate Change (IPCC), Urban Land Institute (ULI), World Resources Institute and the World Major Association of the Metropolises, among others. For example, as a key partner to the WCS, the European Union (EU) funded International Urban and Regional Cooperation (IURC) programme – which fosters city-to-city and region-to-region partnerships – will enable over 40 EU and Asian/Australasian cities and regions to participate in this edition of WCS in Singapore as part of its Annual Networking Event. The IPCC session is a senior leaders roundtable engaging IPCC scientists, mayors, senior city officials, and urban climate experts to further discuss the IPCC's Special Report on Climate Change and Cities (SRCities).

Together, the Summit will highlight how cities are where ideas are implemented to address important issues such as climate change, affordable housing, health and wellness, urban energy transition, water management, jobs and mobility, social inclusion, digital innovation, and sustainable financing in addition to other challenges that face cities.

New Programme Offerings at WCS 2026

Additionally, a new track the "WRLDCTY Connections Stage" will explore liveability, lovability, and longevity in cities. The new track will also highlight the social dimensions of the Infrastructure and Environment industry such as placemaking and heritage and culture. More information on the WRLDCTY Connections Stage is in the Annex. These new topics serve as catalysts for sustainable and innovative urban solutions that contribute to shaping a more liveable future. Their inclusion in WCS 2026 furthers knowledge sharing and collaboration opportunities across borders and sectors, moving all towards transforming cities for a more liveable future.

WCS 2026 also introduces the introduction of practitioner-led masterclasses and delegate site visits linked to sessions, enabling a more holistic understanding of topics coupled with realworld experiences. For instance, the Housing Development Board-led site visit to Harmony Village examines ageing in place and community connectedness to build inclusive, sustainable communities; Jurong Lake Gardens showcases National Parks Board's key initiatives under "Parks for Health" – a key element in restoring nature for healthy cities; and a tour of heritage businesses situated in Kampong Gelam, by the National Heritage Board, exemplifies heritage driven urban planning to ensure loveable cities.

Through its expanded programme and new offerings, WCS 2026 continues to advance global urban development dialogue, foster meaningful partnerships, and drive innovative solutions that will shape liveable and sustainable cities of tomorrow. The 10th edition also features a larger WCS Exhibition which provides a platform for cities, corporates, SMEs, local start-ups, and others to profile themselves on a global stage. This supports a pro-enterprise approach which helps local start-ups, SMEs, and larger organisations alike to showcase their strengths and explore global possibilities.

Accelerating Asia's Sustainable Transition through Innovation, Finance and Partnerships

Ecosperity Week 2026, held in Singapore from 18th to 21st May 2026, convened global policymakers, investors, innovators, business leaders, and sustainability practitioners to address one of the defining challenges of our time – enabling Asia's transition towards a climate-resilient, low-carbon future.

The event commenced with a keynote address by **Mr Teo Chee Hean, Chairman of Temasek Holdings**, who set the tone for the week by emphasising the need for stronger regional cooperation, long-term resilience, and practical solutions to address climate and sustainability challenges in an increasingly uncertain global environment.

In his opening remarks, Mr Teo highlighted the importance of balancing economic growth with environmental responsibility, underscoring the role of innovation, partnerships, and systems thinking in enabling Asia's sustainable transition. He remarked that climate action must move beyond aspiration to implementation, requiring governments, businesses, financial institutions, and communities to work collectively towards resilient and inclusive solutions.

Following the keynote, **Day 1 of Ecosperity Week 2026** convened leaders from across sectors to discuss how Asia can navigate key challenges shaping the region's future, including:

- **Energy Security** – balancing growing energy demand with decarbonisation imperatives.
- **Infrastructure Demand** – developing resilient and sustainable infrastructure to support rapid urbanisation.
- **Artificial Intelligence (AI) Adoption** – leveraging emerging technologies to enhance productivity and sustainability outcomes.
- **Critical Mineral Supply Chains** – strengthening supply chain resilience to support clean energy technologies and industrial transformation.

The sessions reflected a strong recognition that Asia's transition pathway must integrate economic competitiveness, sustainability, and resilience to remain future-ready.

Financing Asia's Transition (FAST) Conference was held on the second day, which brought together policymakers, financial institutions, investors, and industry leaders to discuss pathways for mobilising capital to scale climate-resilient solutions across Asia. The conference opened with an **Opening Address by Mr Chee Hong Tat, Minister for National Development and Deputy Chairman of the Monetary Authority of Singapore**, who underscored the importance of partnerships, financial innovation, and practical implementation in accelerating Asia's sustainability transition. The key themes included:

1. Financing the Transition: Powered by Partnership, Driven by Bankability – A central message from the conference was that sustainability solutions must be financially viable and investment-ready. Stakeholders discussed collaborative approaches between governments, private capital, and industries to accelerate deployment of scalable climate solutions.

2. The Transition Dilemma: Short-Term Returns vs Long-Term Decarbonisation – Speakers explored tensions between immediate financial performance expectations and long-term sustainability commitments, highlighting the need for patient capital and supportive policy frameworks.

3. Scaling the Next Generation of Fission & Fusion: From Ambition to Deployment – The session examined emerging opportunities in advanced nuclear technologies and their potential role in future clean energy systems, while addressing deployment and investment challenges.

4. Financing Asia's Energy Transition Infrastructure: Capital and Execution – Discussions centred on the scale of financing required to modernise regional energy systems and the execution capabilities needed to deliver large-scale infrastructure transformation.

5. Enhancing the Bankability of Climate Adaptation and Resilience – Participants explored innovative financing mechanisms to make climate adaptation and resilience projects more investable and attractive to financiers.

The conference concluded with **Closing Remarks by Dr Steve Howard, Vice Chairman, Sustainability, Temasek**, reinforcing the need for collective action and sustained momentum to achieve climate and development goals.

Major Announcements and Launches

Several important announcements and collaborations were unveiled during Ecosperity Week 2026:

Report Launch A4S-TNFD Report: ***Asking Better Questions on Nature: A Guide for CFOs*** was launched at the Ecosperity Action Hub, providing guidance to financial leaders on integrating nature-related risks and opportunities into decision-making.

Award Announcement: The **Liveability Challenge 2026** announced its grand winners, recognising breakthrough innovations that address sustainability and urban resilience challenges.

Strategic Collaboration Signing: A collaboration signing ceremony between **Commonwealth Fusion Systems (CFS)** and **A*STAR** marked an important milestone in advancing innovation and clean energy technologies through research and partnerships.

Key Takeaways

Ecosperity Week 2026 reinforced several critical priorities for Asia's sustainability journey:

- **Partnerships are essential** to mobilise finance and scale solutions.
- **Bankability matters** — climate solutions must attract investment to accelerate adoption.
- **Technology and innovation**, including AI and advanced energy systems, will shape future resilience.
- **Climate adaptation and resilience financing** require stronger frameworks and greater investor confidence.
- **Purposeful implementation** must now complement ambition.

Ecosperity Week 2026 demonstrated that while climate challenges remain significant, momentum for action is growing. The transition ahead will depend on stronger partnerships, innovative financing mechanisms, and solutions that are both impactful and economically viable.

The conference message resonated clearly: **"Powered by Innovation, Driven with Intent."**

As Asia continues its sustainability journey, Ecosperity Week remains an important platform for shaping conversations that translate ambition into measurable action.

PAS 2026: Driving Collective Impact Through Philanthropy, Innovation and Partnerships

The **Philanthropy Asia Summit (PAS) 2026**, held in Singapore between 18th-20th May 2026, concluded after three days of global dialogue, collaboration, and action-oriented discussions focused on addressing some of Asia's most pressing challenges — from climate resilience and health systems to food security, sustainable development, and inclusive growth. Convened by the **Philanthropy Asia Alliance (PAA)**, the summit brought together philanthropists, foundations, policymakers, development organisations, scientists, investors, and business leaders to explore how philanthropy can accelerate scalable impact in an increasingly uncertain and polarised world. The summit emphasised a key message: **complex global challenges require collaborative and systems-level solutions, supported by catalytic philanthropy and cross-sector partnerships.**

Day 1: Setting the Agenda for Systems Change

The summit opened with a keynote by **Dr Soumya Swaminathan**, renowned global health expert and former Chief Scientist at the World Health Organization, who highlighted the interconnected nature of **health, food security, nutrition, and climate resilience**. Drawing on lessons from science and implementation, including work linked to the **M.S. Swaminathan Research Foundation (MSSRF)**, Dr Swaminathan stressed the importance of investing in resilient food systems, evidence-based interventions, and inclusive approaches that support vulnerable communities facing climate and economic challenges.

The opening day also featured discussions on:

- Climate adaptation and resilience financing
- Future-ready food systems and agricultural innovation
- Health equity and strengthening public health systems
- The role of philanthropy in supporting sustainable development goals
- Collaborative models for impact investment and social innovation

A recurring theme was the need to shift from fragmented interventions towards **integrated systems transformation** that creates long-term impact.

Day 2: Mobilising Capital and Partnerships for Impact

The second day focused strongly on how philanthropy can catalyse partnerships and unlock funding for scalable solutions:

Climate and Nature-Based Solutions – Discussions highlighted investments in biodiversity protection, regenerative ecosystems, climate resilience, and community adaptation models, particularly for vulnerable populations in Asia.

Food Systems Transformation – Experts examined opportunities to build resilient food systems through sustainable agriculture, technology adoption, nutrition-focused interventions, and support for smallholder farmers.

Blended Finance and Impact Investing – Participants discussed how philanthropy can de-risk investments, crowd in private capital, and support innovative financing models to scale sustainable solutions.

Innovation and Technology for Social Good – Conversations explored the role of technology, artificial intelligence, data, and innovation ecosystems in addressing development challenges more efficiently and inclusively.

The day reinforced the importance of **multi-stakeholder partnerships** involving governments, academia, philanthropists, civil society, and private sector actors.

Desmond Kuek, CEO, Temasek Trust, delivering remarks at the Impact Investing Roundtable 2026

The Philanthropic Agenda held at PAS 2026

Day 3: From Conversations to Collective Action

The final day shifted focus towards implementation, accountability, and scaling measurable impact. At **The Impact Agenda**, leaders reflected on lessons learned and discussed practical pathways to accelerate progress through partnerships and shared responsibility.

In his closing remarks, **Shaun Seow, CEO of the Philanthropy Asia Alliance (PAA)** highlighted the growing importance of philanthropic collaboration in an increasingly fragmented world. He emphasised that no single institution could solve today's interconnected crises alone, and that partnerships will be critical to achieving meaningful and sustained impact.

The summit concluded with renewed calls to:

- Strengthen **regional and global collaboration**
- Scale **evidence-based and investable solutions**
- Support **community-centred innovation**
- Increase **philanthropic capital for climate, health, and food systems**
- Build stronger ecosystems for long-term societal resilience

Key Takeaways from PAS 2026

PAS 2026 demonstrated that philanthropy is increasingly evolving from traditional grant-making towards a more strategic and catalytic role in shaping systems change.

Three clear priorities emerged:

1. Collaboration is critical – Cross-sector partnerships are essential to addressing interconnected global challenges.

2. Innovation must be inclusive – Technology and science must support equitable and community-driven outcomes.

3. Long-term systems thinking matters – Sustainable impact requires patient capital, policy support, and sustained engagement.

As **Philanthropy Asia Summit 2026** comes to a close, the conversations have reinforced a shared understanding that meaningful impact requires not only resources, but also trust, partnerships, and long-term commitment. From climate resilience and food systems transformation to health equity and social innovation, PAS 2026 demonstrated how philanthropy can act as a powerful catalyst in building a more resilient and inclusive future for Asia and beyond.

The Intrapreneur Imperative: How Singapore Firms Can Turn Internal Talent into Strategic Advantage

Singapore's economic story has long been defined by discipline, efficiency and world-class execution. As the red dot confronts the upcoming more complex phase with slower global growth, rising regional competition, and the urgent need for innovation, the limits of this successful model are being tested.

The next phase of competitiveness will not come from doing the same things better. It will come from doing **different things differently**.

Junko Iwaya and **Jovin Hurry** reflect on the rise of the "social intrapreneur" to offer a timely, and a mostly personal Japanese lens from Junko, on how to effectively go about doing things differently. This lens describes employees who reshape their roles from within by connecting personal conviction, corporate capability and societal need to create new forms of value.

For Singapore's business leaders, the lesson is not cultural. It is strategic.

Beyond Productivity: Activating the Individual

Singapore's productivity challenge is well documented. Despite sustained investment in technology and skills, gains have been uneven. The typical response has been to double down on automation, AI, and process optimisation.

These remain necessary, but insufficient.

Junko's Japanese experience points to a different lever. A concept that inspired her to work towards empowering potential innovators within and outside her company is **job crafting**, a term coined by researchers Amy Wrzesniewski and Jane E. Dutton in 2001, where employees actively redefine their roles around problems they care about.

Consider DBS Bank, often cited for its transformation into a "digital bank". Much of its success has been attributed to leadership and technology. What about the less visible aspects, for example teams empowered to experiment, question processes, and reshape their own mandates…

Imagine extending this further. Instead of innovation being confined to designated units, others like relationship managers, operations staff, or risk analysts could be encouraged to identify inefficiencies or unmet customer needs and build solutions around them.

This is not about adding more work. It is about **redirecting existing energy**.

For a labour-constrained economy like Singapore, this shift from managing employees to **activating them** could be one of the most underutilised sources of productivity.

Strategy as a Living System

One of the most striking insights from Junko's personal work experience is that impact emerges when three elements align: **individual passion, organisational resources,** and **societal challenges**.

This reframes how strategy is typically constructed in Singapore boardrooms.

For example, the evolution of CapitaLand toward sustainable urban development reflects a broader industry shift. However, sustainability strategies often remain top-down driven by regulatory requirements or investor expectations.

What if employees within CapitaLand, like the urban planners, asset managers, and community engagement teams were encouraged to develop initiatives tied to issues they personally care about, such as ageing populations, urban loneliness, or climate resilience…

These ideas, when supported by the company's capital and platform, could evolve into new business lines, not just CSR initiatives.

In this model, strategy becomes less about predicting markets and more about **cultivating intersections** where internal motivation meets external needs.

The Limits of Scale and the Power of Networks

Singapore's corporate success has often been built on scale and control. Now as problems become more complex whether in sustainability, healthcare, or regional development, the limits of the firm are increasingly evident.

Junko's Japanese intrapreneur model emphasises **co-creation**: building collaborations that extend beyond organisational boundaries.

This is already visible in parts of Singapore's economy.

Singtel, for instance, has expanded through partnerships across digital services, cybersecurity, and regional platforms. However, these efforts are often structured at the corporate level. The next step is more granular.

What if mid-level managers and teams were empowered to initiate cross-border collaborations themselves, working with startups in Indonesia, sustainability groups in Vietnam, or urban innovators in Thailand?

Similarly, Grab has built its regional presence through ecosystem thinking by integrating payments, mobility, and services. Yet even here, the question remains: how much of this ecosystem-building is driven from the centre, versus emerging organically from within teams?

Junko's experience suggests that innovation ecosystems are most dynamic when they are **bottom-up as well as top-down**.

For Singapore, positioning itself as ASEAN's innovation hub will depend not just on attracting companies, but on enabling its people to **plug into and shape regional networks**.

Trust as a Competitive Advantage

Singapore's corporate environment is known for its rigour with their clear KPIs, defined structures, and strong governance. These are strengths, but they can also create friction for early-stage innovation.

One of the more counterintuitive lessons from Junko's corporate experience is the role of **trust-based collaboration**, i.e. initiatives that begin without formal contracts, evolving through shared purpose and mutual understanding.

This may seem at odds with Singapore's risk-managed culture. Yet in fast-moving domains, excessive structure can slow down experimentation.

Sembcorp Industries is repositioning itself around renewable energy and sustainable solutions. Many of the opportunities it is pursuing across emerging markets and new technologies require rapid learning and adaptation.

In such contexts, not every initiative can be fully specified upfront. Building internal cultures where teams can test ideas, form partnerships, and iterate quickly, and this within broad strategic guardrails, will be critical.

Trust, in this sense, is not the absence of discipline. It is **a different kind of discipline**, one that prioritises speed, learning, and adaptability.

From Talent Development to Intrapreneurship Design

Singapore has invested heavily in talent development, but much of this still focuses on skills acquisition through courses, certifications, leadership programmes.

Junko's experience would suggest a more structural approach: **designing organisations to produce intrapreneurs**.

This means moving beyond encouragement to intentional systems. This means building platforms for cross-functional collaboration, making time and space for experimentation and offering recognition and career pathways for internal innovators.

For example, Singtel and DBS Bank have both experimented with innovation labs and internal ventures. The next step is to ensure these are not isolated pockets, but part of a broader operating model.

Similarly, large conglomerates like Keppel Corporation could benefit from enabling employees across business units, i.e. energy, infrastructure, real estate, to collaborate on emerging themes such as decarbonisation or smart cities.

The goal is not to turn every employee into an entrepreneur. It is to ensure that **those with the drive to create can do so without leaving the organisation**.

What Leaders Can Do Now
For Singapore business leaders, the implications are clear but action need not be complex.

A few starting points might be considered:

1. Create space for job crafting - Encourage teams to redefine parts of their roles around problems they care about. This can begin with small pilots around innovation sprints, internal challenges, or cross-functional projects.
2. Link purpose to business strategy - Move beyond abstract purpose statements. Identify where employee passions intersect with strategic priorities, e.g. sustainability, regional growth, digital transformation, and support initiatives at those intersections.
3. Enable bottom-up collaboration - Provide platforms be they physical or where employees can connect across departments and with external partners.
4. Loosen structures at the edges - Allow early-stage ideas to develop with lighter governance, focusing on learning rather than immediate returns.
5. Recognise and reward intrapreneurs - Make internal innovation visible. Celebrate those who build new initiatives, even if outcomes are uncertain.

These are not radical changes. But collectively, they signal a shift from managing work to **mobilising people**.

A Strategic Inflection Point
Singapore's challenge today is not a lack of capability. It is how to deploy that capability in a more uncertain, interconnected world.

Junko's Japanese experience with social intrapreneurs offers a quiet but powerful insight: transformation does not always begin with grand strategies. It often starts with individuals, redefining their roles, building connections, and gradually reshaping the organisation from within.

For Singapore firms navigating economic restructuring and regional competition, this may be the missing piece, not just better strategies, but **better engines of strategy from within**.

In the years ahead, those who learn to cultivate these engines may well set the pace, for Singapore and for the ASEAN region.

Junko Iwaya *is an Architect and a Project Manager at the Innovation Design Center in Nikken Sekkei in Japan. Nikken Sekkei is an architectural, planning and engineering firm from Japan, ranking as the sixth largest architectural practice in the world, according to UK Building Design's annual survey in 2026.*

Jovin Hurry is a Sustainability Strategist & Senior Writer

POWERING SUSTAINABLE SPACES:

How Peak Engineering is Redefining the Built Environment

As cities across the world accelerate towards climate resilience and resource efficiency, the built environment has emerged as a critical frontier for change. In Singapore—where sustainability targets are ambitious and non-negotiable—engineering solutions must evolve beyond maintenance to intelligence, integration, and impact. This is where Peak Engineering & Consultancy Pte Ltd is making its mark

BEYOND MAINTENANCE: ENGINEERING WITH PURPOSE

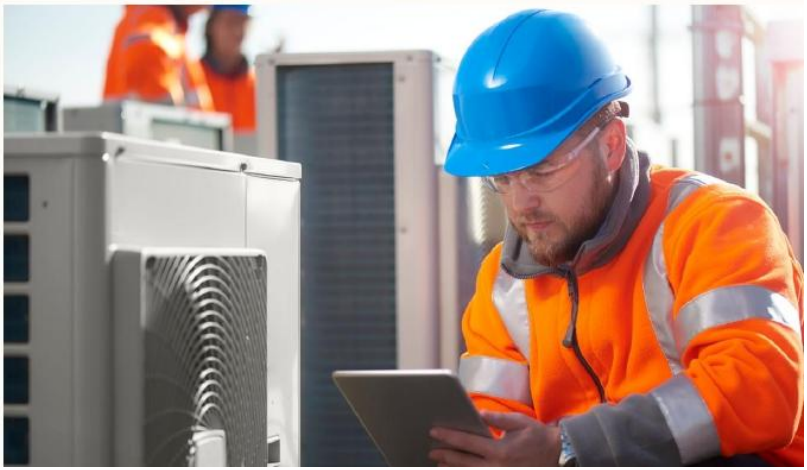
Traditionally, facilities management has been viewed as a backend function—essential, yet often overlooked. Peak Engineering is challenging that narrative by positioning facilities as active contributors to sustainability outcomes. By integrating engineering services with smart technologies, the company enables buildings to operate more efficiently, reduce energy consumption, and extend asset lifecycles. From air-conditioning optimisation to intelligent monitoring systems, every intervention is designed with a clear objective: doing more with less.

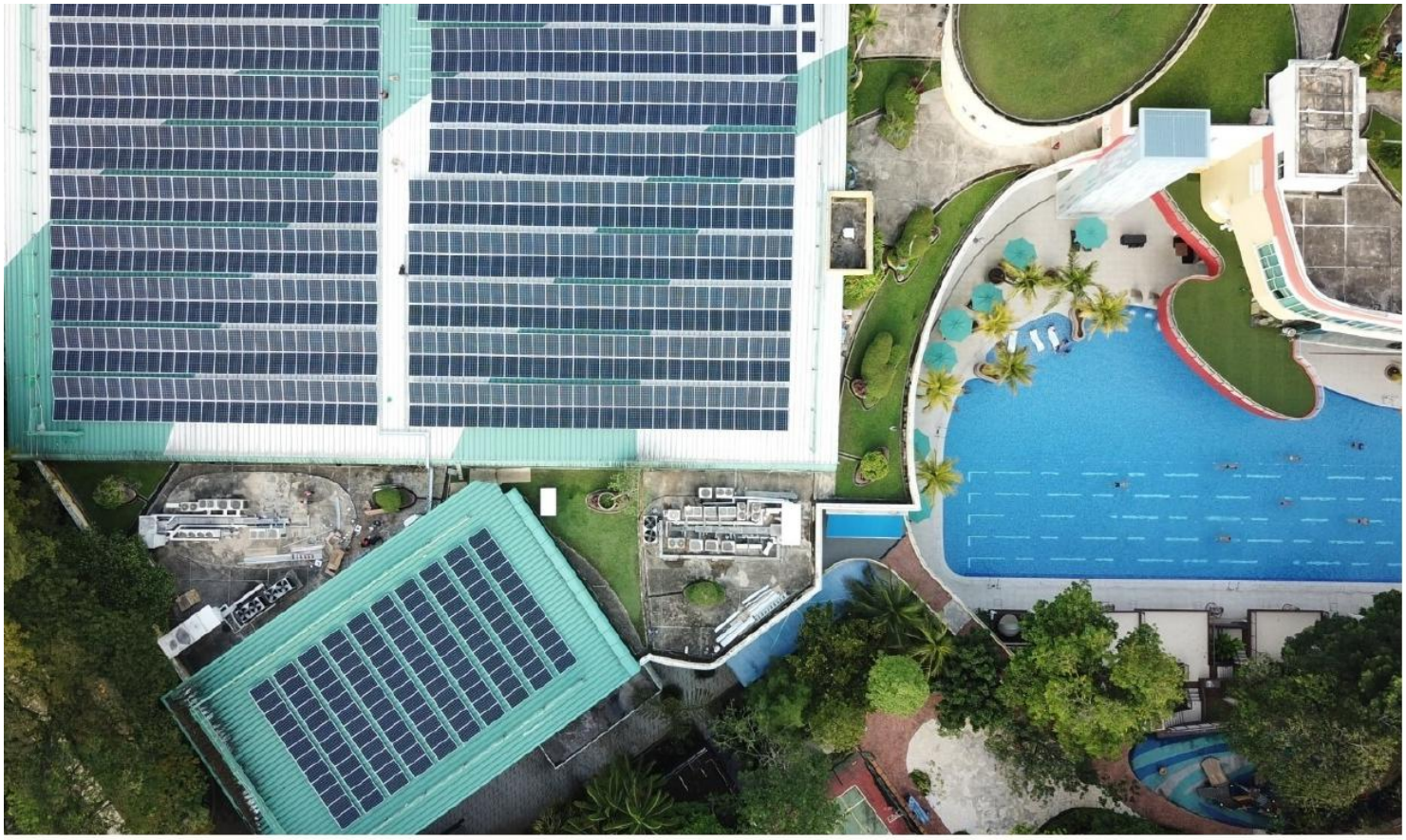
SMART SYSTEMS FOR A LOW-CARBON FUTURE

At the core of Peak Engineering's approach is the adoption of data-driven, smart building solutions. These include:

- Real-time energy monitoring systems
- Predictive maintenance technologies
- Automation for lighting and cooling systems
- Solar PV integration for renewable energy adoption

Such innovations not only reduce operational costs but also contribute directly to lowering carbon emissions—an increasingly important metric for organisations navigating ESG commitments.





SUSTAINABILITY AS STRATEGY, NOT SLOGAN

What distinguishes Peak Engineering is its embedded approach to sustainability. Rather than treating green practices as optional enhancements, the company integrates them into the design, operation, and optimisation of every project.

This aligns closely with Singapore's broader push towards greener infrastructure and net-zero ambitions. By helping clients transition to energy-efficient systems and sustainable operations, Peak Engineering acts as a key enabler of climate action within the built environment.

CERTIFIED EXCELLENCE IN FACILITIES MANAGEMENT

Peak Engineering's commitment to quality and professionalism is reinforced through its recognition as a Gold Facilities Management Company—a certification that reflects excellence in service delivery, workforce capability, and technological integration. This accolade underscores the company's ability to meet the highest industry standards while continuously innovating to support sustainable, future-ready infrastructure.

SIFMA Certified Facilities Management Company Gold

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GREEN IN FUTURE

Green In Future is a novel venture of like-minded professionals with achieving a sustainable future as the target. Among the many services provided, the diffusion of technology to as many as possible and as far as possible, educating and generating awareness by being the link between the producer and the user, giving adequate training to the interested to adopt an innovation in Urban Landscaping, Urban farming, Education, Environmental issues and Health etc. are in the forefront.

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