

Companies at WCS 2026 Innovators Alley



Ailytics

Ailytics, established in 2021, is a vision AI solutions provider within the heavy industries with 140+ customers, 5,000+ active cameras, and 400M sqm area coverage.



AiR Digital / Pan United

AiR Digital Solutions is a technology firm specialising in AI-powered digitalisation for ready-mix concrete and quarry operators. Wholly owned by Pan-United Corporation, the company transforms traditional manual operations into intelligent, automated workflows across 300+ concrete products, 35 batching plants, and 500+ trucks



Carbon1010 by SUTD

Carbon1010 is a Singapore-based climate-tech startup focused on decarbonising the built environment through advanced material innovation and intelligent system integration. Developed from over a decade of research, its proprietary C³™ regenerative sorbent materials are capable of capturing both carbon dioxide (CO₂) and moisture, addressing a critical yet often overlooked contributor to urban energy demand and indoor air quality.

At the World Cities Summit 2026, Carbon1010 will showcase its 3CPO (Carbon Capture Control Process Optimiser) decarboniser—designed for seamless integration with existing HVAC infrastructure. The system continuously captures and moisture through an energy-efficient regeneration process, reducing cooling loads while maintaining healthier indoor environments.

Early deployments in commercial buildings have demonstrated measurable reductions in energy consumption and improved indoor air quality. By transforming buildings into active carbon management systems, Carbon1010 offers a scalable pathway for cities to reduce emissions, enhance liveability, and accelerate progress toward net-zero urban environments.



CBM

CBM Pte Ltd is a leading provider of integrated facilities management services in Singapore, delivering sustainable, end-to-end solutions across commercial, industrial, residential, and public sector environments. With decades of operational experience, the company offers a comprehensive suite of FM services spanning cleaning, security, environmental, engineering and laundry services, underpinned by deep domain expertise and a strong track record in reliability and regulatory compliance.

Anchored on ESG principles, CBM is advancing a next-generation operating model that addresses manpower constraints, enhances occupational safety, and reduces environmental impact, while strengthening governance through digital transparency, automation, and data-driven insights.

The showcase features three strategic innovations. The Façade Cleaning Robot (Environmental) mitigates high-risk work-at-height operations through automated mechanical scrubbing, improving safety while enabling efficient, low-disruption cleaning. The Robotic Dog for Surveillance (Security) delivers autonomous, AI-enabled perimeter patrols that enhance coverage and response times, while reducing reliance on manpower. Complementing these is the Washing Agent for Laundry (Systematic), a room-temperature chemical solution that reduces energy and water consumption as well as CO₂ emissions, while maintaining high hygiene and performance standards.



ConcreteAI

Founded in 2022, ConcreteAI is a National University of Singapore (NUS) deep-tech spin-off that leverages AI and IoT technology to revolutionise concrete strength monitoring in construction. Formed by a team of NUS engineers with domain expertise, the company addresses a critical \$1.5 billion global inefficiency in concrete testing by providing real-time, in-situ concrete strength monitoring that eliminates the traditional destructive cube testing process.



EcoVolt

Ecovolt's AI-Native Building Orchestration System (AI-BOS) is a modular platform that integrates existing building infrastructure with targeted IoT devices to unify data and control across entire portfolios. By aggregating siloed systems - ACMV, lighting, plug loads, metering, occupant feedback - into a single AI decision engine, AI-BOS delivers sustainability compliance, operational efficiency, and utilities optimisation without proprietary lock-in.



Energy Research Institute ERI@N

Dynamic Load Management System to help validate power management solutions for EV charging points at HDB carparks, and possibly another related project depending on the booth size. Dynamic load management is alternative solution towards the traditional ways of providing ancillary services by controlling the demand of non-time critical load in the response of changes in the system. It could lead to significant reduction in cost and carbon dioxide as well as it could help to facilitate the connection of intermittent renewable energy generation, such as solar and wind power. This solution is made feasible by implementation of smart grid in power system.



Entropy Lab

Entropy Lab is an advanced materials spin-off from Nanyang Technological University specialising in advanced passive cooling technologies for the built environment. Its flagship product, PasteCool® Ultra, is a novel geopolymeric paint that redefines passive cooling by harmonising optical and structural material properties – enabling buildings to both reject solar heat and release trapped thermal energy, akin to sweating to cool down naturally. This dual-action approach reduces energy loads and minimises reliance on active cooling systems, offering a practical and scalable solution for sustainable and low-carbon thermal management.



FloodX / Flexi Systems



Flexi Systems is a Singapore-based engineering and water-technology company specialising in integrated environmental and digital solutions for stormwater treatment and erosion control management applications. The company provides system design, equipment supply, installation, maintenance, and data-driven monitoring solutions that support regulatory compliance, operational efficiency, and sustainable water management across infrastructure and construction projects.

FloodX is a technology-focused environmental solutions company delivering smart flood management, stormwater monitoring, and digital water infrastructure solutions. The company leverages IoT, remote monitoring, analytics, and integrated dashboard platforms to help clients improve flood resilience, optimise environmental operations, and enable real-time decision-making for urban water and infrastructure management



Flora Aer

An engineered regenerative nature-based solution for Indoor and outdoor air purification

- Singapore's own home-grown Active Green Wall Air Purification System
- IAQ filtration on par with HEPA based systems
- Reduces TVOC and stabilises CO2
- Reduces particle matter (PM 2.5)
- Increases active negative ions
- More durable and less maintenance costs: no changing of filters required
- Has positive psychologically wellness effects on occupants
- Absorbs sounds and provides acoustic insulation to office space



Global Healthcare SG

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Global Healthcare SG (GHSG) is a Singapore-incorporated medical device company on a mission to protect human life as global temperatures outpace the body's ability to cope. GHSG has built the world's leading portable, passive medical cooling platform for climate adaptation.

Headquartered in Singapore with manufacturing in Malaysia, GHSG bridges materials science, clinical research, and institutional healthcare to address one of the defining health challenges of our time.



Greenphyto

Greenphyto, founded in 2014 by CEO Susan Chong, is one of the world's largest and tallest agri-tech farms dedicated to securing sustainable food supplies through innovation. We developed the Vertical Industrial Farming System (VIFS™), a fully automated, climate-independent farming solution that enables the production of fresh, pesticide-free vegetables at scale and efficiency—boosting output by 45 times compared to traditional methods.

Our Controlled Environment Agriculture (CEA) facility, capable of producing over 2,200 tonnes annually, contributes significantly to Singapore's food resilience. As a Greenmark Gold Plus-certified building and holder of various international standards (ISO9001, ISO14001, ISO27001, ISO45001), we are committed to sustainable, secure, and efficient farming. Beyond technology, Greenphyto is deeply rooted in social responsibility.

We are a signatory of the UN Global Compact, recipient of the Company of Good Award, and actively support charities, and community organizations through donations and education on hydroponic farming. This minimizes food waste and aids families in need. Our corporate purpose—anchored in doing good while doing well—mirrors the vision of our founder, Susan Chong, whose prior success with Greenpac exemplifies blending business excellence with social impact. Today, her legacy drives Greenphyto's mission to revolutionize agriculture and nourish the world sustainably. Hydrogreens is a brand by Greenphyto, and focuses on fresh produce.



GWS Living Art

GWS Living Art is a Singapore-based urban green technology provider that specialises in creating a more sustainable world through tech-enabled green solutions, including green wall systems, green roof systems, IoT green technologies, and tech-enabled water systems. Since its establishment, the company has delivered projects across 5 countries, with more than 15,500m² of green walls and over 100,000m² of green roofs installed across the region.

GWS Living Art delivers turnkey projects that enhance biodiversity, improve environmental performance, and create healthier, more liveable cities. Driven by a mission to advance nature-based solutions for sustainable communities, the company works closely with architects, developers, and institutions to transform urban spaces through ecological design and climate-responsive engineering.

H3Zoom H3ZOOM

H3Zoom, is an AI-powered drone inspection technology company providing automated façade and interior visual inspection solutions through a unified cloud platform.



Hocklim Engineering Pte Ltd

Hocklim Engineering Pte Ltd (“Hocklim”) is a local civil and geotechnical engineering company, with a specialisation in climate resilience and flood mitigation measures. Through Cool Ideas Enterprise (CIE) with HDB, Hocklim was able to expand its offerings to include geotechnical instrumentation and monitoring services, with its GeoBarrier System (“GBS”) – a climate resilient solution which will maintain slope strength during heavy rainfall.



Joe Green

JOE Green Pte Ltd, incorporated in 2006, is a Singapore-based manufacturer and supplier of lightweight, high-performance concrete wall panels and green building materials, including LiGrA technologies. Its solutions reduce embodied carbon, improve thermal efficiency and durability, and support Green Mark targets, while advancing sustainability through waste reduction, energy savings, and applications across construction and emerging industries.



N&E Innovations

N&E Innovations Pte. Ltd. is an agritech company focused on transforming food waste into high-value, sustainable materials. By upcycling food waste into functional biomaterials, we support circular economy practices while addressing global challenges in food preservation, packaging, and hygiene.

At the forefront of its innovation is ViKANG™, a next-generation biodegradable cling wrap designed to replace conventional plastic films. Beyond cling wrap, N&E also develops a range of sustainable solutions, including eco-cleaning solutions, hand sanitisers, and vacuum bags. These products are engineered to enhance food safety, extend shelf life, and reduce environmental impact by leveraging natural, food-derived compounds.

At the exhibition, N&E will present live demonstrations showcasing how its solutions improve shelf-life extension and reduce waste in real-world applications. Comparative displays with conventional solutions highlighting performance, compostability, and antimicrobial effectiveness. N&E innovations can help businesses reduce plastic usage while minimising food waste across supply chains.



Pivot

Pivot Green Solutions is an integrated sustainable technology company focused on delivering measurable energy savings and carbon reduction for commercial, industrial, hospitality, and data centre environments. Rather than approaching sustainability as a long-term concept, Pivot focuses on practical implementation—helping clients reduce energy consumption, improve operational visibility, and achieve cost efficiencies from day one.

At the core of Pivot’s offering are its AI-enabled IoT lighting systems and high-efficiency air filtration solutions. These technologies are designed to work to assist companies reduce their energy consumption, enabling real-time monitoring, adaptive control, and data-driven optimisation of building environments. This allows clients to gain better visibility of their operations while steadily progressing toward their sustainability targets.



SingHealth

SingHealth is embedding sustainability into high-acuity clinical care through measurable, system-level interventions that enhance efficiency while maintaining quality and safety. Guided by the “5 + 2 Rs” framework (Refuse, Reduce, Reuse, Repurpose, Recycle, Rethink, Re-educate), the Cluster Decarbonization Plan targets three core resource domains: air, water, and waste, as entry points for operational transformation.

Extending beyond clinical operations, SingHealth is advancing prevention through clinician-led innovation. Together, these initiatives demonstrate that sustainability can be operationalized across complex health systems by targeting core resource flows, using high-intensity settings such as Ots as exemplars, and extending impact through preventive, patient-centered innovation, aligning environmental stewardship with improved clinical outcomes and system resilience.



V-Plus Agritech

As cities race to meet climate goals and secure food supply chains, V-Plus Agritech delivers the blueprint for the next generation of urban infrastructure. We don't just build farms; we integrate Smart, Circular, and Scalable Vertical Aquaponics into the very fabric of the modern city.

In a world where "business as usual" is no longer an option, V-Plus Agritech invites global leaders to ACT Now by turning underutilized urban spaces—rooftops, community hubs, and industrial zones—into high-yield, zero-waste food sources.



WaveScan

WaveScan Technologies is an A*STAR spin-off company specialising in electromagnetics-based 3D imaging scanner systems for non-destructive testing (NDT) applications, with proprietary technology built upon nearly a decade of R&D in microwave and millimeter-wave wireless sensors



WIDUZ

Widuz develops engineered bamboo composites as a renewable, sustainable alternative to conventional building materials. Its flagship product, BVL™ (Bamboo Veneer Lumber), is a high-performance composite lumber synthesised from bamboo fibres – one of the world’s fastest-renewing resources – offering up to three times the strength of engineered timber, 20% lighter weight, and a 40% lower carbon footprint compared to concrete and steel. BVL™’s superior strength-to-weight ratio makes it suited for applications ranging from structural beams and external wall claddings to furniture and sports equipment. Widuz was also the Grand Prize winner at the 2024 Built by Nature®, the first global competition dedicated to accelerating biobased, low-carbon building solutions.