



## Press Release

### Urban Solutions and Sustainability Dominate the 11<sup>th</sup> Lee Kuan Yew Global Business Plan Competition Revolutionary Finalists

- With the theme 'Innovations Beyond Boundaries - Reimagining a Smart, Sustainable & Resilient Future', one of Asia's largest university-led startup challenge empowers young founders to solve urgent global challenges through deep-tech solutions
- Out of a record-breaking pool of 1,000 submissions, the Revolutionary 50 (RVLT50) finalists have emerged, with 45 percent of them developing solutions that address urban challenges and promote sustainability
- The RVLT50 finalists will convene in Singapore from 11 to 15 September for the competition's finals week (BLAZE), a week-long immersion event featuring networking opportunities, panel discussions, site visits, mentorship sessions, and a social mixer

**SINGAPORE, 12 July 2023** – Singapore Management University's (SMU) Institute of Innovation and Entrepreneurship (IIE) today announced the Revolutionary 50 (RVLT50) finalists who will present their world-changing innovations to a judging panel during the Lee Kuan Yew Global Business Plan Competition (LKYGBPC) Finals Week, from 11 to 15 September 2023 in Singapore.

Held biennially, the LKYGBPC is one of the largest university-led startup competitions in Asia with a mission to empower youths through innovation and entrepreneurship to create deep-tech solutions to solve urgent global challenges of the 21st century.

#### The Expanded RVLT50 - Driving Sustainable Urban Innovation

The 11<sup>th</sup> LKYGBPC received a record-breaking 1,000 submissions, which represent a 20 percent increase over the 10<sup>th</sup> LKYGBPC. The rigorous judging process involving 200 international industry experts and thought leaders allowed the team to select only the most exceptional ventures to come to Singapore.

To provide a larger and more diverse pool of innovative ideas and talent, the RVLT50 has been expanded to 55 student finalist teams from around the world. This expansion not only ensures a greater representation of startups, it will also open up more opportunities for connection and collaboration with the vibrant Singapore community and the wider region.

LKYGBPC focuses on five key areas: Urban Solutions and Sustainability; Manufacturing, Trade & Connectivity; Human Health and Potential; Smart Nation and Digital Economy; and Media & Entertainment.

Among these categories, **Urban Solutions and Sustainability has the largest representation with 25 out of 55 finalists (45 percent) dedicated to addressing urban challenges and promoting sustainability.** A number of these finalists are leveraging cutting-edge technology to drive environmental change, from converting plastic waste into construction materials through circularity solutions to developing next-generation smart windows for energy reduction, and creating resource-efficient materials using bio-based approaches. These examples show how the next generation entrepreneurs actively contribute to environmental preservation by harnessing technology to minimise carbon footprint globally.



Overall, **Urban Solutions and Sustainability category** also received the **highest number of submissions**, accounting for 35 percent of the total submissions, followed by Smart Nation and Digital Economy (28 percent) and Human Health and Potential (22 percent).

### Other submission highlights

The submissions represent 1,100 universities across 77 countries. Amongst these, about 25 percent were from the top 100 universities such as the ETH Zurich (Switzerland), Harvard University (US), Imperial College London (UK), Massachusetts Institute of Technology (US), National University of Singapore, Nanyang Technological University (Singapore), University Malaya (Malaysia), University of Melbourne (Australia), Tsinghua University (China), and Yonsei University (South Korea).

Of the total submissions, 26 percent came from America (a 45 percent uptick over the 10th edition), 22 per cent from Southeast Asia, 24 percent from the rest of Asia, 22 percent from Europe, and 6 percent from Oceania.

Commenting on the biennial university startup challenge, **Ms Shirley Wong, Chairperson, LKYGBPC Steering Committee**, said: “As urbanisation and sustainability continue to drive global growth, there is increasing demand for solutions that address the challenges of infrastructure and the environment. We have seen the birth of ideas that have the potential to reshape the urban landscape, and we are excited to see how the finalists will make history as future changemakers and deliver a lasting impact on our society.”

“This year holds a special significance as Singapore celebrates the **100th birth anniversary of our founding Prime Minister, Mr Lee Kuan Yew**, whose visionary plan propelled Singapore onto the global stage. The LKYGBPC presents an extraordinary opportunity for the youths and entrepreneurs of Singapore to converge and connect with student innovators from around the world, under one roof,” she added.

### **BLAZE at LKYBGPC – Empowering youths through live pitches, networking, and mentorship**

Two members of each finalist team will travel to Singapore for the much-anticipated BLAZE, held at the Singapore Management University from 11 to 15 September. BLAZE is a week-long event bringing inter-generational networking, panel discussions, site visits, and mentorship sessions that form an environment which fosters learning, collaboration, and growth. The event will also open doors to business opportunities in Singapore, where the headquarters of numerous multinational corporations are located.

#### Highlights of BLAZE

The next-generation of trailblazers will be unveiled at the **Grand Finals**. Open to the public, the event offers a unique opportunity for attendees to witness the talent, expertise and passion of finalists as they pitch to judges in real time to win prizes worth S\$2.5 million.

Singapore-based startups can leverage on **VC Office Hours (VCOH)**, Southeast Asia’s largest **gathering of senior venture capitalists (VCs)**, to accelerate their professional development and grow their ventures. More than 50 senior VCs who collectively manage more than S\$2.5 billion of assets will be participating. This marks a 40 percent increase from the previous VCOH held in 2021.

**Changemakers Conversations** are thought leadership panel discussions featuring industry experts, tech startups and academia who will address the potential of artificial intelligence and the impact of youth entrepreneurship. The sessions aim to inspire, educate,



and equip attendees with the tools and insights necessary to thrive in the dynamic and evolving business landscape.

The **Mixer Night** is an inclusive event that will gather the LKYGBPC winners and finalists, innovation champions from corporates and government agencies, and Singapore's vibrant youth and entrepreneur communities. Serving as a culmination of the LKYGBPC Finals Week, the Mixer Night will serve as a nexus event where changemakers crystallise novel ideas and forge enduring connections, creating a memorable occasion that celebrates the spirit of innovation and entrepreneurship.

Registration to attend the Grand Finals, VC Office Hours, Changemakers Conversations, and Mixer Night will commence in July 2023. For the latest information, follow LKYGBPC on [LinkedIn](#).

*Please refer to Annex A for the list of RVL50 companies and Annex B for the list of Sponsors and Partners.*

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**About LKYGBPC:**

Organised by Singapore Management University's Institute of Innovation and Entrepreneurship, the Lee Kuan Yew Global Business Plan Competition (LKYGBPC) is a biennial university-led startup challenge. One of the largest of such competitions in Asia, it derives its name from Singapore's founding Prime Minister Lee Kuan Yew, who developed the country's defining business plan that propelled Singapore onto the global stage. It is this spirit of entrepreneurship, innovation and ambition that the competition enshrines. LKYGBPC invites the brightest minds from the world's most entrepreneurial universities to come together to address the challenges of the 21st century and reimagine the future. For more information: [smu.sg/lkygbpc](http://smu.sg/lkygbpc)

**About SMU IIE:**

The Singapore Management University's Institute of Innovation and Entrepreneurship (IIE) is a practice-oriented institute that nurtures changemakers and founders who aspire to make the world a better place. To achieve this mission, IIE focuses on its three areas of competencies which include customising training programmes, offering an equity-free incubation programme, and fostering a cohesive innovation and entrepreneurship community through activities such as its marquee event – the Lee Kuan Yew Global Business Plan Competition (LKYGBPC). For more information: <https://iie.smu.edu.sg>

**About SMU:**

[Singapore Management University](http://Singapore Management University) (SMU) is internationally recognised for its world-class research and distinguished teaching. Established in 2000, SMU's mission is to generate leading-edge research with global impact and to produce broad-based, creative, and entrepreneurial leaders for the knowledge-based economy. SMU faculty members collaborate with leading international researchers and universities around the world, as well as with partners in the business community and public sector. For more information: [www.smu.edu.sg](http://www.smu.edu.sg)

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**ANNEX A**

**List of Revolutionary 50 Finalists (RVLT50)**

11<sup>TH</sup> EDITION  
**LEE KUAN YEW**  
**GLOBAL BUSINESS PLAN COMPETITION**  
Reimagining a Smart, Sustainable and Resilient Future

INNOVATIONS BEYOND BOUNDARIES

Themed "Innovations Beyond Boundaries", the 11th edition of the LKYGBPC brings together the brightest minds from the world's most entrepreneurial universities to address the challenges of the 21st century and reimagine a smart, sustainable and resilient future.

  
**1,000**  
Submissions  
(20% increase from 10th LKYGBPC)

  
**1,100**  
Participating Universities

  
Over  
**3,600**  
Global Applicants  
Over **77** Countries

Top 3 Focus Areas Across RVLT50

  
**45%**  
Urban Solutions & Sustainability

  
**35%**  
Human Health & Potential

  
**11%**  
Manufacturing, Trade & Connectivity

No	Team	Executive Summary	Category	University	Country of University
<b>Urban Solutions &amp; Sustainability</b>					
1	<a href="#">Active Surfaces</a>	This startup envisions a future where any surface can be solarised. It developed proprietary, Massachusetts Institute of Technology-patented flexible thin-film solar modules that are 10x lighter than comparable modules with the efficiency and stability to fight climate change.	BETA: Category 0 to 1	Massachusetts Institute of Technology	United States
2	<a href="#">BioWerkz</a>	This startup developed a novel bio-based, resource-efficient, and CO2-negative material "NEWood" using only organic waste and natural binders, which can potentially save up to 30,000 trees and reduce waste disposal operational costs by 20% over 5 years.	BETA: Category 0 to 1	ETH Zurich	Switzerland
3	<a href="#">Bloom Alert</a>	This startup helps strengthen the role of	INFINITY: Category	University of Concepción	Chile

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		desalination industry with a safe solution to face the world's water crisis. As the first in the world to promote desalination sustainability through satellite intelligence, it offers an early warning system that reduces water production loss of up to 30%.	1 to Infinity		
4	<a href="#">CBE Eco-Solutions</a>	This startup upcycles CO2 from point sources into carbon-negative palm oil alternatives through microbial gas fermentation. It developed a special patented gas fermentation bioreactor hardware that is able to reduce corporates' carbon footprint by up to 93%.	BETA: Category 0 to 1	National University of Singapore	Singapore
5	<a href="#">Colipi</a>	This startup upcycles CO2 from point sources to carbon-negative palm oil alternatives through microbial gas fermentation. The start-up has developed a special patented gas fermentation bioreactor hardware that is able to reduce corporate carbon footprint by up to 93%.	INFINITY: Category 1 to Infinity	Hamburg University of Technology	Germany
6	<a href="#">ElectricFish</a>	This startup developed an easily-installed ultra-fast EV charger that is battery-storage integrated. It completed a pilot programme with the Los Angeles Department of Water & Power, helping to convert a 5 kilowatt (kW) outlet to a 350 kW charging port in 2 days instead of 2 years.	INFINITY: Category 1 to Infinity	Stanford University	United States
7	<a href="#">GreenCoat</a>	This startup developed a next-generation plasma-coating smart window solution that dynamically changes the opacity of windows in response to real-time environmental	BETA: Category 0 to 1	University of Sydney	Australia

		conditions. The solution helps customers reduce their electricity costs by up to 30%, and overall, increases energy savings of up to 45% per building from reduced use of lighting and air conditioning.			
8	<a href="#">JJ Innovative Materials</a>	This startup offers sustainable and environmentally responsible construction materials to address global carbon emissions and environmental problems posed by the construction industry. Hempcrete is composed of more than 90% natural ingredients (namely hemp hurds and hydrated lime), making it very convenient to recycle or to be scrapped safely, reducing the product's waste management costs.	BETA: Category 0 to 1	Johns Hopkins University	United States
9	<a href="#">Ki Hydrogen</a>	This startup developed a novel waste-to-hydrogen technology that produces green hydrogen 3x more economically than other commercially available methods. Their patented biomass electrolysis solution replaces the oxidation reaction in water electrolysis by breaking down the liquid biomass into chemical co-products. This utilises 75% less energy and is safer as no oxygen is produced during the process.	BETA: Category 0 to 1	London Business School	United Kingdom
10	<a href="#">LEAFYPOL YMER</a>	This startup is proposing cost-efficient solutions for agricultural verticalisation, moderate-scaling, and industrialisation based on a patented new material technology. Their solution, MiniJungle, an upgraded version of hydroponics, is able to deliver a higher yield	INFINITY: Category 1 to Infinity	Tsinghua University	China

		of plants at 66 plants per square metre compared to a maximum of 40 plants per square metre using traditional soilless cultivation methods, namely floating board hydroponic technology, vertical devices.			
11	<a href="#">LiQuidium</a>	This startup developed a lithium-selective membrane using scalable manufacturing techniques which can be deployed in existing lithium-ion battery recycling technologies to create a circular economy. The startup helps geothermal energy producers extract 30% more lithium from their brine streams using 90% fewer chemicals, by installing ultra durable lithium-selective membranes at a third of the production cost now.	BETA: Category 0 to 1	University of Houston	United States
12	<a href="#">Magorium</a>	This startup converts contaminated plastic waste into a new material, NEWBitumen, to build green roads. By end 2022, the startup has paved 4 green roads in Singapore, and has diverted more than 8,000 kg of plastic waste from incineration.	INFINITY: Category 1 to Infinity	Singapore Management University	Singapore
13	<a href="#">NEU Battery Materials</a>	This startup achieved the world's first patented lithium battery recycling using electrochemical separation. With this technology, the process for producing battery grade lithium is up to 100x less polluting and up to 10x more profitable compared to existing recycling technologies.	BETA: Category 0 to 1	National University of Singapore	Singapore
14	<a href="#">Node Bio</a>	This startup uses cutting edge plant science to develop crop treatments that make agriculture more	BETA: Category 0 to 1	University of Oxford	United Kingdom

		climate-resilient, productive, and sustainable. Their first product helps plants thrive despite climate shocks like drought and heat waves.			
15	<a href="#">NONA Technologies</a>	This startup is commercialising a new technology which enables a more efficient, and more durable way to remove salinity from groundwater and other brackish water sources. This helps customers save on electricity, chemical additives, and maintenance. Their product, being half the weight of the best alternative, is small can be deployed whenever water is needed, and requires 60% less power consumption to treat saline groundwater.	BETA: Category 0 to 1	Massachusetts Institute of Technology	United States
16	<a href="#">Ozonebio</a>	This clean-tech startup has formulated emission-free adipic acid (a first in the world), which can be used in the manufacture of food and apparel.	BETA: Category 0 to 1	University of Toronto	Canada
17	<a href="#">PEELSPHERE</a>	This startup has developed a material made from fruit waste and algae as an alternative to leather and synthetic leather. The material (on a per square metre basis) is made using zero chemicals, 98% less water, require up to 62% less energy, and produces 98% less CO2 emissions.	BETA: Category 0 to 1	Wessensee Kunsthochschule Berlin	Germany
18	<a href="#">Plastalyst</a>	This startup developed a green, safe and efficient chemical catalyst that decomposes plastic waste at a lower temperature than conventional alternatives.	BETA: Category 0 to 1	University of Cambridge	United Kingdom
19	<a href="#">PlasticFri</a>	This startup is a greentech company with a breakthrough technology that turns agricultural waste	INFINITY: Category 1 to Infinity	Karlsruhe Institute of Technology	Germany

		into eco-friendly products, such as cups, straws, packaging to replace plastics. To date, the company has sold more than 10 million products, saved more than 52,000 litres of water and eliminated 5,000 kg of plastic waste.			
20	<a href="#">RELEAF PAPER</a>	This startup developed a patented technology to turn leafy biomass into fibre for paper production without cutting trees. Products can be recycled up to 5x and decomposed within 60 days. This technology uses 15x less water and 3x less energy. Reduces CO2 emissions by 78% compared to traditional paper manufacturing.	INFINITY: Category 1 to Infinity	Taras Shevchenko National University of Kyiv	Ukraine
21	Super Nova	This startup is involved in the industrialisation of novel aqueous ion batteries with a long lifespan and a wide temperature range.	BETA: Category 0 to 1	Tsinghua University	China
22	<a href="#">SusMaX</a>	This startup uses a thermochemical process to recycle coal ash into a cost-effective better-performing lightweight aggregate (LWA) for ready-mix concrete suppliers. It is 50% lighter than normal aggregate, and can help customers achieve 50% reduction in shipping costs, increase the lifetime of concrete by 20%, and lower CO2 emissions by 50%.	BETA: Category 0 to 1	Drexel University	United States
23	<a href="#">Sylvarum</a>	This startup is developing electrostimulation technology with artificial intelligence to control the metabolism of plants to improve crop yields for Controlled Environment Agriculture producers. The	BETA: Category 0 to 1	National University of Tucumán	Argentina

		technology can help plants grow 23% more biomass.			
24	<a href="#">Team Algrow</a>	This startup creates sustainable nutrition and bio-ingredients with microalgae, using upcycled co-products in algae biorefinery. Serves as B2B ingredient supplier to 3 key markets – Alternative Protein, Alternative Pet Nutrition and High Value Compounds (Nutraceutical Cosmetics). It aims to achieve up to 85% lower cost compared with current algae incumbents.	BETA: Category 0 to 1	University College London	United Kingdom
25	Tianjin Hermos Technology Co.	This startup offers carbon dioxide emission reduction technology solutions for carbon emitting enterprises in the industrial and energy fields. To date, the startup's product has helped more than 10 enterprises reduce 1.3 million tonnes of CO2 emissions.	INFINITY: Category 1 to Infinity	Oxford Brookes University	United Kingdom
<b>Human Health and Potential</b>					
26	<a href="#">Adravisio</a>	This startup developed software that detects cavities and other dental problems on dental x-rays faster and more accurately by incorporating state-of-the-art computer vision algorithms, so dentists can focus on performing dental procedures on patients. Their pilot with 20 dentists shows a significant increase in diagnostic accuracy from 59% to 91%.	BETA: Category 0 to 1	National University of Singapore	Singapore
27	<a href="#">Customize</a>	The startup uses proprietary 4D-printing technologies to create custom medical devices, with the aim of making healthcare more accessible, effective, and less-invasive. Their first medical device is a series of novel 4D-printed	BETA: Category 0 to 1	Singapore Management University	Singapore

		orthopaedic casts, whose shapes can custom fit to suit patients' changing needs. The founders are featured in the Forbes 30 Under 30 List for 2023.			
28	<a href="#">Cauchy Analytics</a>	This startup developed a tiny sensor that instantly generates a 3D image of the heart when placed on the patient's chest, enabling continuous and non-invasive heart monitoring in hospital ICUs. Through the product, the startup aims to reduce global hospital costs by US\$18 billion annually in North America.	BETA: Category 0 to 1	University of Waterloo	Canada
29	<a href="#">EmerStat</a>	This startup developed a superhydrophobic hemostatic material that leverages nanostructural engineering to enable rapid clotting, a significant reduction in blood loss, and the risk of secondary bleeding along with the prevention of infection. With this product, the startup aims to reduce blood loss by 20x and reduce the force required to remove the patch by 420x compared to the current standard, respectively.	BETA: Category 0 to 1	National University of Singapore	Singapore
30	<a href="#">InGel Therapeutics</a>	Over 250 million people worldwide are blinded by various forms of retinal degeneration. This startup wants to address this by developing an innovative cell-based therapy to bring back light to patients (Their beachhead indication is Retinitis Pigmentosa, with a future expansion including Glaucoma and dry age-related macular degeneration (AMD)).	BETA: Category 0 to 1	Harvard University	United States

31	<a href="#">IsiTwin</a>	This medtech startup has developed AI and engineering-based software solutions for personalised surgical planning in orthopaedics and trauma. The team aims to help surgeons define how to reduce bone fractures and optimise the quantity, characteristics and location of implantable medical devices based on the patient's personalised characteristics through a digital twin, developed through its software.	BETA: Category 0 to 1	University of Poitiers	France
32	<a href="#">Karla Bionics</a>	This is a startup with a vision to empower the disabled through accessible assistive devices. Their current product is the Raga Arm, a functional, intuitive prosthetic arm with a lightweight bionic-like design. Raga Arm's versatile gripping technology helps users activate the gripping function intuitively and allows them to access 6 main grip types without the need to change or reset the device.	INFINITY: Category 1 to Infinity	Institute for Innovation and Entrepreneurship Development (Institut Teknologi Bandung)	Indonesia
33	<a href="#">Medea Biopharma</a>	This startup is developing a new generation of sustainable and eco-friendly antibacterial solutions as alternatives to chemical and harmful antibiotics, copper and pesticides, to effectively combat harmful bacteria in humans, animals and plants. The solutions can be tailored for application in various industries including healthcare, cosmetics, food safety and agriculture.	BETA: Category 0 to 1	Technical University of Munich	Germany
34	<a href="#">Messenger Bio</a>	This startup is industrialising the discovery of mRNA-based	INFINITY: Category	University of Melbourne	Australia

		programmable medicines. The goal is to unlock cures for thousands of genetically defined diseases that currently lack treatments. The startup has 30 institutional customers in 9 countries.	1 to Infinity		
35	<a href="#">MirZyme Therapeutics</a>	This startup is using its proprietary predictive tools and creating targeted therapeutics with companion diagnostics for the management of preeclampsia for which there is no cure. They have 5 assets, 10 global patents and an Innovation Passport from the Medicines and Healthcare products Regulatory Agency of the United Kingdom for the prevention of preeclampsia.	BETA: Category 0 to 1	Aston Medical School	United Kingdom
36	NeuroWeave	This startup is committed to researching and developing cutting-edge artificial intelligence and neuroscience technologies for the diagnosis and intervention of neurodegenerative diseases. It aims to benefit 250 million senior citizens across China through the detection of neurodegenerative diseases from the general screening population.	INFINITY: Category 1 to Infinity	Grenoble Institute of Technology	France
37	<a href="#">Pangaea Data</a>	This startup has a novel AI-driven product which characterises patients by automatically discovering clinical signatures (which clinicians currently ascertain manually) across 4,000 hard-to-diagnose conditions in an evolving, privacy-preserving and scalable manner. By utilising the product, clinicians around the world are able to discover more	INFINITY: Category 1 to Infinity	Imperial College London	United Kingdom

		patients for screening while saving time and enterprise costs by 90%.			
38	<a href="#">Pic-A-Talk</a>	This startup has developed an educational mobile application assisting children in speech and language development. Fully digital, customisable, user-friendly and available in multiple languages, the app can also be used by teenagers and adults diagnosed with speech and language disorders, autism spectrum disorder (ASD), and learning disabilities. The startup is hopes to help children with ASD, both in the Philippines and the rest of Southeast Asia.	INFINITY: Category 1 to Infinity	Mindanao State University - Iligan Institute of Technology	Philippines
39	<a href="#">Savyn</a>	This startup uses neuroscience-based digital therapies to reduce Post Traumatic Stress Disorder symptoms. Early trial data has shown patient outcomes on Savyn's platform are equal to in-person therapy. The startup launched its beta product in April this year which has recorded more than 40,000 visits.	INFINITY: Category 1 to Infinity	Singapore Management University	Singapore
40	<a href="#">SJTU BCI</a> (Shanghai Nian Tong Intelligence Inc)	This startup designed a neural rehabilitation product based on a brain-computer interface to help patients relearn motor skills lost after a stroke.	BETA: Category 0 to 1	Shanghai Jiao Tong University	China
41	Vibrosurger y	This startup developed an ultrasonic orthopedic scalpel that combines cavitation and impact effects to remove bone tissue with minimal damage. It improves the operability and safety of surgery, and is widely used in multiple operations.	BETA: Category 0 to 1	Southern University of Science and Technology	China

42	<a href="#">Virtetic</a>	This startup is developing game-based virtual reality (VR) therapies for people living with limb loss, to help them learn to use a prosthesis and manage their phantom limb pain. It is collaborating with The University of Melbourne, The Royal Melbourne Hospital, The Alfred Hospital in Melbourne and Ottobock, a market leader in the field of prosthetics to research the transfer of prosthesis use and motor skills from game-based VR training to for activities of daily living.	BETA: Category 0 to 1	University of Melbourne	Australia
43	<a href="#">YaBEZ</a>	This startup has developed a natural, topical steroid-free treatment option for Psoriasis and skin inflammatory diseases. The product can potentially help 125 million Psoriasis patients.	BETA: Category 0 to 1	Panyapiwat Institute of Management	Thailand
44	<a href="#">Zhi Yin</a>	This startup developed an intelligent system developed using speech recognition, speech synthesis, gesture recognition and augmented reality to address the challenges of communication between hearing impaired and those with normal hearing.	BETA: Category 0 to 1	Huazhong University of Science and Technology	China
<b>Manufacturing, Trade &amp; Connectivity</b>					
45	<a href="#">Aliena</a>	This spacetechnology startup is offering access to affordable and reliable high-quality satellite data for sustainable development through power- and fuel-efficient plasma propulsion that allows small satellites to fly closer to earth.	INFINITY: Category 1 to Infinity	Nanyang Technological University	Singapore
46	<a href="#">Fishyu</a>	This startup built a seafood trading platform which aims to solve two problems:	INFINITY: Category	Chulalongkorn University	Thailand

		unfair prices for fishermen and excessive markups for processed factories, by connecting local fishermen directly to processing factories via a web application. Through the platform, fishermen will receive 20% of their catch's margin price, hence selling their catch at a better price compared to selling through local distributors.	1 to Infinity		
47	<a href="#">Huaxia Semiconductor</a>	This startup is a high-tech enterprise specialising in the R&D and production of high-purity gallium (Ga) and gallium nitride (GaN) substrate materials for semiconductor integrated circuits. The company aspires to disrupt the global GaN market that underpins the 3 <sup>rd</sup> generation of semiconductor materials.	INFINITY: Category 1 to Infinity	City University of Hong Kong	Hong Kong SAR
48	<a href="#">MassPrint Technology</a> -	This startup aspires to be the leader in mass transfer equipment and make MicroLED displays more affordable for people, with its low-cost (50% reduction), high-efficiency (100x higher) direct-laser-writing mass transfer technology and 18 related patents.	BETA: Category 0 to 1	Nanyang Technological University	Singapore
49	<a href="#">VOMMA</a>	The core product of this startup is a light-field camera that uses computational imaging technology to achieve the instantaneous recording of multi-dimensional light information. It is capable of single shooting and instantaneous three-dimensional modelling, and features micro-nano precision, millisecond calculation and passive measurement.	INFINITY: Category 1 to Infinity	Shanghai Jiao Tong University	China

50	<a href="#">Voyawave Optics</a>	This startup is a supplier of multi-dimensional beam editing technology and instrument application solutions, committed to developing high-efficiency, high-precision intelligent laser sources and helping the optical intelligent fabrication chain.	INFINITY: Category 1 to Infinity	Free University of Berlin	Germany
<b>Smart Nation &amp; Digital Economy</b>					
51	<a href="#">Finful</a>	This startup offers a financial education solution based on gamification and learn-to-earn model that helps the Gen Z to gain financial knowledge, and financial institutions to acquire financially literate customers. The startup's goal is to establish itself as the leading financial education platform in Vietnam and reach 6 million product users by 2026.	BETA: Category 0 to 1	VinUniversity	Vietnam
52	<a href="#">FLock.io</a>	This startup merges AI & blockchain to enable secure, decentralised machine learning model training. The platform offers privacy, interoperability, and innovative on-chain consensus, fostering a robust community of developers and researchers. The team is currently partnering 4 professors and 10 researchers to push the boundaries in distributed learning and blockchain, and to date has achieved an award-winning paper and garnered 100,000 citations.	BETA: Category 0 to 1	University of Oxford	United Kingdom
53	<a href="#">PLEXUS</a>	This startup is a cross-chain aggregator that enables swaps across blockchain networks in a single transaction. Launched in Jan 2023, the platform has more than 22,000 verified	INFINITY: Category 1 to Infinity	Hanyang University	South Korea

		accounts and recorded over 345,000 transactions.			
<b>Media &amp; Entertainment</b>					
54	<a href="#">Adaptop</a>	This startup developed a unique docking station that packs tremendous performance, extensive connectivity, and blazing fast storage, putting everything users need within easy reach in one solution. Certified by Apple and Intel, the Adaptop AIO is the first and only Thunderbolt product which combines the performance of a graphic card and the versatility of a docking station.	INFINITY: Category 1 to Infinity	University of Agder	Norway
55	<a href="#">MitoWorld</a>	This startup developed a no-code browser based Integrated Virtual World Platform that simplifies the creation and connection of purpose driven metaverses. Its features allow users to select a blueprint design for their metaverse, upload content such as images, videos, 3D models, and launch their metaverse on a browser. The platform's versatility enables businesses to apply the metaverse for brand & product engagements, events, exhibitions, marketing campaigns, and digital twin adoption.	INFINITY: Category 1 to Infinity	IPE Management School	Malaysia



## ANNEX B

### 11th edition LKYGBPC List of Supporters and Partners

#### Founding Supporter

##### **About Wilmar International Ltd**

Wilmar International Limited, founded in 1991 and headquartered in Singapore, is today Asia's leading agribusiness group. Wilmar is ranked amongst the largest listed companies by market capitalisation on the Singapore Exchange.

At the core of Wilmar's strategy is an [integrated agribusiness model](#) that encompasses the entire value chain of the agricultural commodity business, from [cultivation and milling of palm oil](#) and [sugarcane](#), to processing, branding and distribution of a wide range of [edible food products in consumer, medium and bulk packaging](#), [animal feeds and industrial agri-products](#) such as oleochemicals and biodiesel. It has over 500 manufacturing plants and an extensive distribution network covering China, India, Indonesia and some 50 other countries and regions. Through scale, integration and the logistical advantages of its business model, Wilmar is able to extract margins at every step of the value chain, thereby reaping operational synergies and cost efficiencies.

Supported by a multinational workforce of about 100,000 people, Wilmar embraces [sustainability](#) in its global operations, supply chain and communities.

#### Platinum Supporters

##### **About Kajima Development Pte Ltd**

Kajima Development Pte Ltd is a Singapore-based real estate developer with business interest across the SEA region. It is a wholly owned subsidiary of Kajima Corporation (鹿島建設株式会社, Kajima Kensetsu Kabushiki-gaisha) – one of the oldest and largest construction companies in Japan. Founded in 1840, Kajima's services include design, engineering, construction, and real estate development. Kajima's regional headquarters, The GEAR, is equipped with 5 laboratories and is a living lab for experimentation, exploration, and co-creation. At The GEAR, Kajima will adopt open innovation, conduct R&D on advanced built environment technologies, and testbed solutions for productivity improvement, sustainability, and occupant wellness. [www.kajima.com.sg](http://www.kajima.com.sg)/[www.thegear.sg](http://www.thegear.sg)

##### **About KSF Beverage Holding Singapore Pte. Ltd. (康師傅飲品控股新加坡有限公司)**

KSF Beverage Holding Singapore acts as an International Headquarters (excluding China/Hong Kong) in Singapore to expand its reach globally. KSF focuses on the distribution of Master Kong's products, such as instant noodles, beverages, cakes and relevant supporting industries, in the Southeast Asia and International markets. It aims to also increase its raw materials resources, and build new cooperation opportunities with international production markets to remain competitive and deepen its ties in the market.

##### **About Sembcorp Industries**

Sembcorp is a leading energy and urban solutions provider, driven by its purpose to do good and play its part in building a sustainable future. Sembcorp has a balanced energy portfolio of 18.5GW, with 11.0GW of gross renewable energy capacity comprising solar, wind and energy storage globally. The company also has a proven track record of transforming raw land into sustainable urban developments, with a project portfolio spanning over 12,000 hectares across Asia.



### **About Yangtze Delta Region Institute of Tsinghua University, Zhejiang**

The Yangtze Delta Region Institute of Tsinghua University, Zhejiang (YIT), is an innovative platform that leverages global technology and worldwide talent to drive technology innovation, provide technology services, foster talent development, and promote high-tech industrialization. YIT aims to establish a platform for visionary projects from around the world and facilitate their connection with capital, market, and industry. YIT has 10 global incubators located in United States, United Kingdom, Germany, Australia, Japan, Singapore. YIT has helped over 2000 start-up projects to connect with the top global universities, scientific research institutions, professional associations, financial institutions, etc.

### **About Zhang Fan**

Zhang Fan, Chairman of Ertz Capital, is a renowned angel investor and venture capitalist with extensive experience in the technology sector. He has invested in many start-ups in fields such as Tech, Internet, FinTech, and Life Science over his more than two decades of venture capital career. Zhang Fan is also a successful entrepreneur, having founded and managed several companies in the tech space. He co-founded Sequoia Capital China and served as one of the firm's managing partners. Forbes Magazine selected him as one of the top winners of the "Midas List" – Top Venture Capitalists in China" for four times. He has a deep understanding of the challenges and opportunities that arise in the fast-paced world of technology and is highly regarded for his strategic insights and business acumen.

### **Gold Supporters**

#### **About Infocomm Media Development Authority (IMDA)**

The Infocomm Media Development Authority (IMDA) leads Singapore's digital transformation by developing a vibrant digital economy and an inclusive digital society. As Architects of Singapore's Digital Future, we foster growth in Infocomm Technology and Media sectors in concert with progressive regulations, harnessing frontier technologies, and developing local talent and digital infrastructure ecosystems to establish Singapore as a digital metropolis.

#### **About Maybank Singapore**

Maybank is among Asia's leading banking groups and South East Asia's fourth largest bank by assets. Maybank Group has an international network of over 2,600 branches in 18 countries including all 10 ASEAN countries, with more than 42,000 employees serving customers worldwide.

Maybank Singapore is one of the Group's largest overseas operations and a Qualifying Full Bank in Singapore. As at 31 December 2022, Maybank's total assets in Singapore were approximately S\$71.5 billion. With strategically located banking branches and over 2,000 employees in Singapore, Maybank is well-positioned to provide highly personalised services and locally-oriented solutions that will deliver more value to customers.

For more information, please visit [www.maybank2u.com.sg](http://www.maybank2u.com.sg).

Other Supporters and Partners	Category
<p><b>Sino Group</b> Established in the 1970s, Sino Group, is a leading property developer in Hong Kong with more than 250 projects with a total area over 130 million sq. ft. in our investment and development portfolio to date. Our core business encompasses the development of residential properties, offices, industrial and retail properties for sale and investment in China (Hong Kong and Mainland), Singapore</p>	Silver

<p>and Australia. Widely diversified, the Group comprises private companies owned by the Ng Family as well as three listed companies. For more information, please visit <a href="https://www.sino.com/">https://www.sino.com/</a>.</p>	
<p><b>OUE</b>        OUE Limited (SGX:LJ3) is a leading pan-Asian, full service real estate development, investment and management company with assets across the commercial, hospitality, retail, residential and healthcare sectors. Best known for its landmark property portfolio in Singapore, OUE consistently leverages its expertise in property development and asset management to maximise yields and unlock value. Anchored by its “Transformational Thinking” philosophy, OUE has built a reputation for developing iconic projects, transforming communities, providing exceptional service to customers and delivering long-term value to stakeholders. For more information, please visit <a href="http://www.oue.com.sg">www.oue.com.sg</a>.</p>	Bronze
<p><b>Sage Partners</b>        Sage Partners is the subsidiary of Sage Family Trust, established by Dr Doreen Tan, co-founder of Best World International Ltd. Sage Partners supports Dr Doreen and her family through investments, ventures and philanthropy. Dr Doreen Tan is a strong believer in giving back to society. As a self-made entrepreneur, she regularly contributes her time to seminar training and counselling services. She also donates generously to various causes in society including helping startups flourish.</p>	Bronze
<p><b>Amazon Global Selling</b>        Amazon Global Selling is Amazon’s business unit that helps businesses from anywhere in the world launch a global business, reach Amazon customers, and build international brands. For more information, please visit <a href="http://sell.amazon.com.sg/north-america/us">sell.amazon.com.sg/north-america/us</a>.</p>	Strategic Partner
<p><b>APRW Pte Ltd</b>        APRW is one of Singapore’s earliest and largest independent integrated communications agencies. Since 1996, the firm has built a strong portfolio of clients across diverse areas like government, public affairs, consumer goods, education, hospitality, travel, startups, charities and non-profit, among others. APRW is led by a team of owners-directors who combine keen business acumen with a wealth of experience to design and deliver bespoke communications solutions.</p>	Strategic Partner
<p><b>INTA Foundation</b>        The <a href="#">INTA Foundation</a> is a charitable organization working to expand educational and professional development opportunities in intellectual property (IP) for diverse, under-represented populations around the world. Our mission is to provide access to education and outreach activities in the areas of diversity, equity, and inclusion, and to support</p>	Strategic Partner

<p>individuals and organizations around the world whose work impact these important issues.</p>	
<p><b>Lee &amp; Lee Advocates &amp; Solicitors</b>          Lee &amp; Lee, one of Singapore's most established and leading law firms, provides a comprehensive range of legal services to serve the differing needs of individuals and companies. Its areas of practice include banking, corporate, competition, intellectual property, litigation and dispute resolution, and real estate.</p>	<p>Strategic Partner</p>
<p><b>National Supercomputing Centre (NSCC) Singapore</b>          The National Supercomputing Centre (NSCC) Singapore was established in 2015 to manage Singapore's national petascale facilities and high-performance computing (HPC) resources. As a National Research Infrastructure funded by the National Research Foundation (NRF), the HPC resources that we provide helps support the research needs of the public and private sectors, including research institutes, institutes of higher learning, government agencies and companies. For more information, please visit <a href="https://www.nscg.sg/">https://www.nscg.sg/</a>.</p>	<p>Strategic Partner</p>
<p><b>PUB, Singapore's National Water Agency</b>          PUB is a statutory board under the Ministry of Sustainability and the Environment (MSE). It is the national water agency, which manages Singapore's water supply, water catchment, and used water in an integrated way. From April 2020, PUB also took on the responsibility of protecting Singapore's coastline from sea-level rise as the national coastal protection agency.</p> <p>PUB has ensured a diversified and sustainable supply of water for Singapore with the Four National Taps (local catchment water, imported water, NEWater, desalinated water). PUB leads and coordinates whole-of-government efforts to protect Singapore from the threat of rising seas and the holistic management of inland and coastal flood risks.</p> <p>PUB calls on everyone to play a part in conserving water, in keeping our waterways clean, and in caring for Singapore's precious water resources. If we all do our little bit, there will be enough water for all our needs – for commerce and industry, for living, for life.</p>	<p>Strategic Partner</p>
<p><b>Protégé Ventures</b>          As Southeast Asia's first student-run venture fund programme, Protégé Ventures ("PV") trains students to be tech-savvy entrepreneurial leaders by equipping them with the necessary skills and mindset to navigate an increasingly volatile and complex global environment through venture capital training, and empowers them to actively shape the future that they envision through actual capital investments.</p>	<p>Strategic Partner</p>



<p><b>Wavemaker Partners</b>                  Wavemaker Partners is Southeast Asia’s leading VC firm investing in early-stage enterprise, deep tech, and sustainability startups. Since 2012, the firm has invested in more than 190 companies across the region, with total capital commitments exceeding US\$300 million and exits generating over US1.8 billion in enterprise value. These exits include TradeGecko’s acquisition by Intuit, and Moka’s and <a href="https://www.coins.ph">Coins.ph</a>’s acquisitions by Gojek. Today, 85% of Wavemaker’s active portfolio startups in Southeast Asia are aligned with at least one UNDP Sustainable Development Goal. For more information about Wavemaker Partners, visit <a href="https://wavemaker.vc/">https://wavemaker.vc/</a> or email <a href="mailto:orbit@wavemaker.vc">orbit@wavemaker.vc</a>.</p>	<p>Strategic Partner</p>
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