

LEE KUAN YEW GLOBAL BUSINESS PLAN COMPETITION

Reimagining a Smart, Sustainable
and Resilient Future

ASIA'S LARGEST UNIVERSITY
STARTUPS CHALLENGE
RETURNS IN 2023

Innovations Beyond Boundaries



Institute of
Innovation &
Entrepreneurship

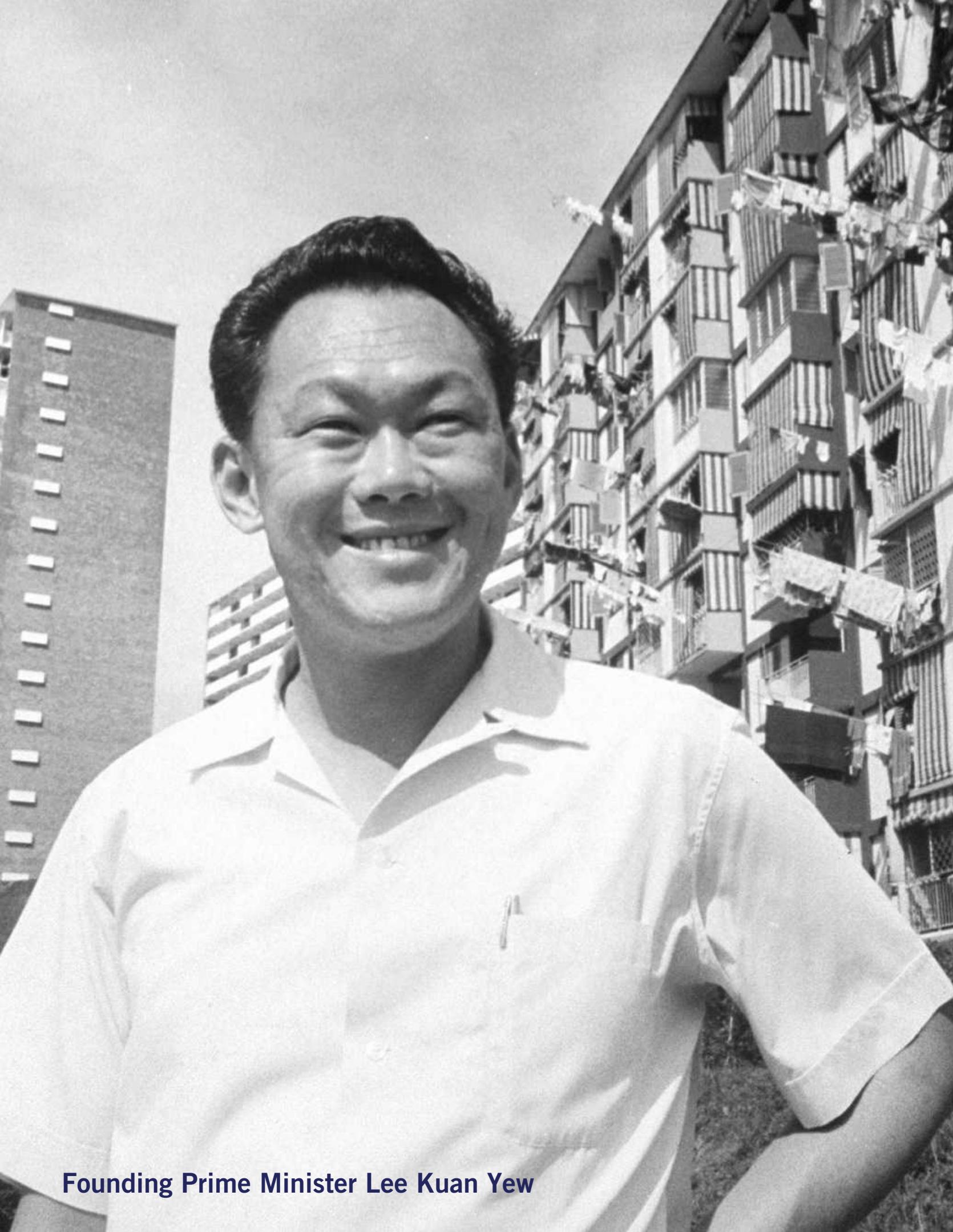


DO YOU HAVE A
BOLD IDEA
THAT COULD **CHANGE**
THE WORLD?

Step into the future at the Lee Kuan Yew Global Business Plan Competition where the young and daring from all over the world gather to demonstrate technologies for a better world.

Asia's Largest University Startup Challenge on
urban solutions returns in 2023





Founding Prime Minister Lee Kuan Yew

REIMAGINING A SMART, SUSTAINABLE AND RESILIENT FUTURE

The Lee Kuan Yew Global Business Plan Competition (LKYGBPC) is a biennial university startup challenge in Singapore. LKYGBPC derives its name from Singapore's founding Prime Minister, who developed the country's defining business plan bringing 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.

INNOVATIONS BEYOND BOUNDARIES



Institute of
Innovation &
Entrepreneurship



WE BELIEVE IN CREATING KNOWLEDGE & DEVELOPING YOUNG TALENTS

Thanks to our supporters and donors' belief in SMU, the University has contributed meaningfully to the regional startup and innovation ecosystem with the Lee Kuan Yew Global Business Plan Competition (LKYGBPC). The LKYGBPC has evolved from a student business plan competition to a high-octane startup challenge that convenes trailblazers and innovators from across the globe, inspiring and nurturing student founders to exchange ideas and learn from the best.



**7TH
LKYGBPC**

- 128 submissions
- 28 countries
- 469 global participants



**8TH
LKYGBPC**

- 185 submissions
- 140 universities represented
- 44 countries



**9TH
LKYGBPC**

- 550 submissions
- 310 universities represented
- 68 countries
- 1,963 global participants



**10TH
LKYGBPC**

*Postponed due to COVID-19

- >850 submissions
- >650 universities represented
- >60 countries
- >28,000 global participants

*data for global participants unavailable

* includes both physical and virtual attendees

POWERED BY INDUSTRY MOVERS AND SHAKERS

Meet our distinguished steering committee members for the 11th LKYGBPC:



Shirley Wong
Chairperson, 11th LKYGBPC
Steering Committee - SMU IIE
Managing Partner, TNF Ventures



Hau Koh Foo
Director
SMU Institute of Innovation
and Entrepreneurship



Annie Koh
Professor Emeritus of Finance
(Practice) Singapore Management
University



Howie Lau
Managing Partner, Corporate
Development and Partnerships
NCS Group



Lim Sau Hoong
Founder & Former-CEO
10AM Communications



Ngiam Shih Chun
Chief Executive,
Energy Market Authority (EMA)



Jacqueline Poh
Managing Director,
Singapore Economic
Development Board (EDB)



Mukund Sridhar
Senior Partner,
McKinsey and Company



Tan Cher Heng
Assistant Chairman,
Medical Board (Clinical
Research and Innovation),
Tan Tock Seng Hospital



Dr Raj Thampuran
Managing Director, Technology
and Research, Surbana Jurong

" We've learnt a lot from the mentors. Their thoughts and insights about our technology and business strategy have helped me think further and incorporate necessary plans accordingly.

Kush Agarwal, Founder & CEO of WaveScan -
10th LKYGBPC SMU Chancellor Cup Winner

EMPOWERING YOUNG INNOVATORS TO UNLEASH THEIR POTENTIAL

LEE KUAN YEW
GLOBAL BUSINESS PLAN COMPETITION

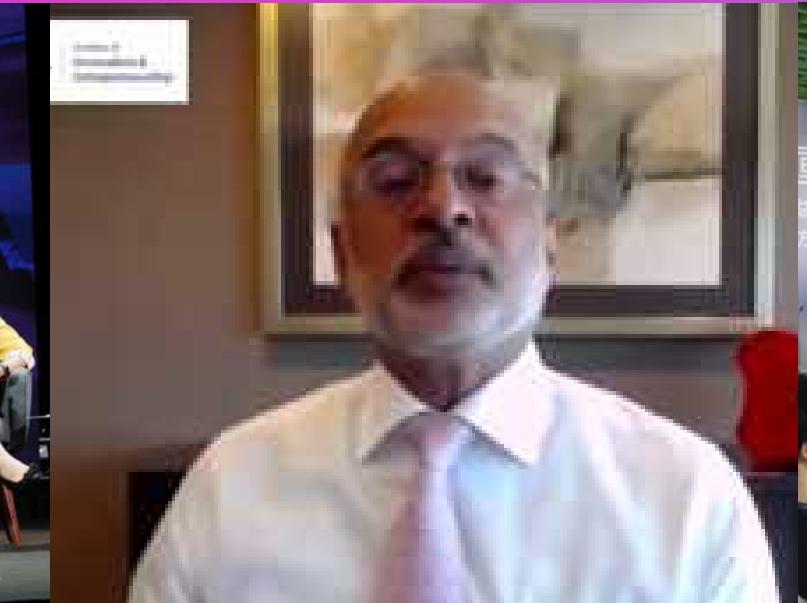
LKYGBPC DRIVES VALUE CREATION IN THE STARTUP ECOSYSTEM BY OFFERING:



One-to-one consult at
VC Office Hours



Closed-door Fireside Chat with Deputy
Prime Minister Heng Swee Keat



Exposure to C-suite
industry professionals



Connected to global community
of young innovators



Thought leadership panel discussions

» Access to Industry Movers & Shakers



Startups get access to
SMU IIE's expansive
network of investors,
corporates, government
agencies and NGOs.

» One-to-one mentorship programme



Assigned mentor who are
either C-suite industry
veterans, investors or ex-
ministers to refine business
plans and growth strategies.

» Gain knowledge and solid insights



Thought leadership panel
discussions, fireside
chats and workshops to
foster knowledge sharing.

» Expand international network



Networking events to
foster collaboration and
get connected with peers
and investors globally.

WE INVITE YOU TO JOIN US TO
**SHAPE THE
FUTURE**

10TH LKYGBPC – JULY 2019 TO MARCH 2021
KEY INFORMATION & HIGHLIGHTS



Institute of
Innovation &
Entrepreneurship

CONVENING A GLOBAL COMMUNITY OF YOUNG INNOVATORS

10TH BIENNIAL
LEE KUAN YEW
GLOBAL BUSINESS PLAN COMPETITION

Over **2,500** Global Applicants
Over **60** Countries



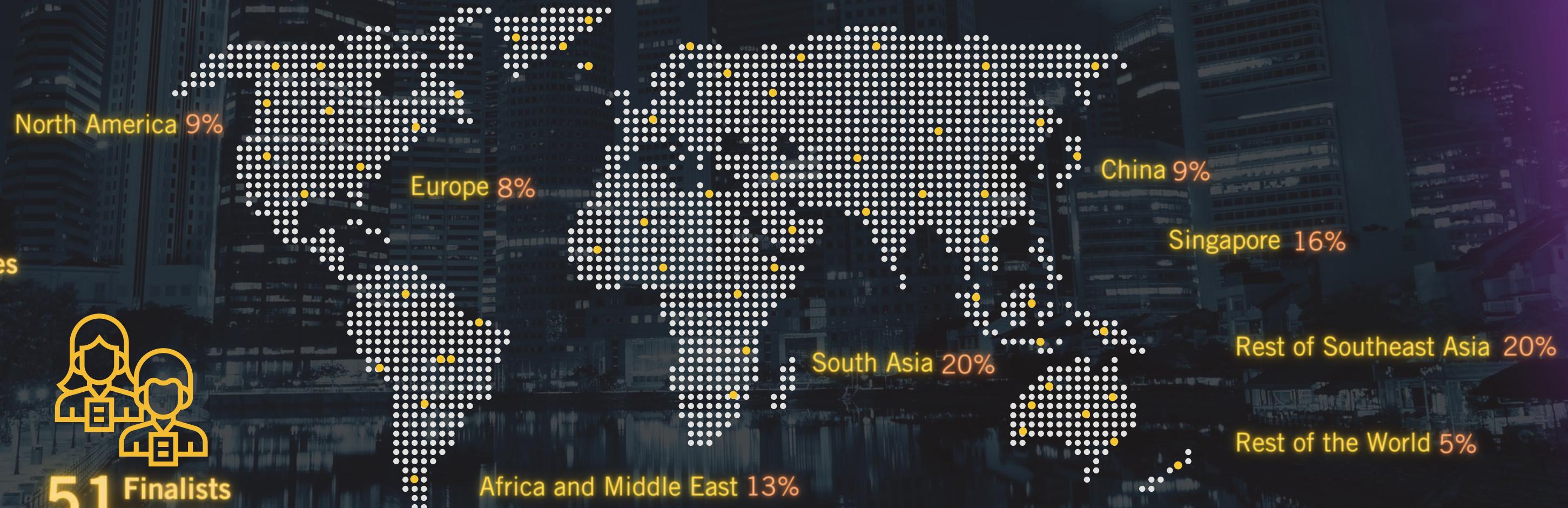
51 Finalists
RVLT50



>\$2M
Worth of Prizes



>850
Submissions



THE GO—TO EVENT FOR THE YOUNG, THE DARING AND THE BRIGHTEST

>1,800

Universities Reached

>650

Universities Represented

>70

out of the world's
Top 100
Universities
represented

|| This is a phenomenal place to connect with mentors and other founders. cross-sectors learning are frankly where the best gems of advice can be found and applied. ||

Jonathan Ng, CEO of Iterative Scopes - 10th LKYGBPC BETA Prize Winner

LEE KUAN YEW
GLOBAL BUSINESS PLAN COMPETITION



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Entrepreneurship

Some of the universities represented at 10th LKYGBPC:



UC San Diego



ETH zürich

Imperial College London



COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK



HARVARD
UNIVERSITY

UNIVERSITY OF OXFORD



清华大学
Tsinghua University



EXPAND YOUR NETWORK AND GAIN SOLID INSIGHTS

Here's some of the mentors and judges including ex-ministers, senior executives & industry experts who participated at the 10th LKYBPC:



Esther An
Chief Sustainability Officer
City Developments Ltd



Rajan K Kalidindi
General Manager
GE Healthcare



Gary Kunis
Former Chief Science Officer
CISCO Systems



Lam Wee Shann
Group Director, Tech &
Industry Development
Land Transport Authority



Liu Gen Ping
Partner
Vertex Holdings



Mah Bow Tan
Non-Executive Chairman &
Non-Independent Director
GYP Properties



Sugandhi Matta
Chief Impact Officer
ABC World Asia



Julien Mialaret
Operating Partner
Idinvest Partners



Paul Santos
Managing Partner
Wavemaker Partners



Andrew Tan
Managing Director
Temasek International



Tan Yen Yen
President, APAC
Vodafone Business



Prof. Yaacob Ibrahim
Advisor to President of SIT
Singapore Institute of Technology

STRONG SUPPORT FROM INDUSTRY PARTNERS WORLDWIDE

Our partners for the 10th LKYGBPC:

FOUNDING SUPPORTER



PLATINUM PARTNERS



NATIONAL RESEARCH FOUNDATION
PRIME MINISTER'S OFFICE
SINGAPORE



SILVER PARTNER



BRONZE PARTNER



INVESTMENT PARTNERS



STRATEGIC PARTNERS



McKinsey
& Company



SINGAPORE
Passion Made Possible



technode global



MEDIA PARTNERS

CONNECTING START-UPS WITH FUNDERS OF THE FUTURE

Extensive support from our investors network who participated at the 10th LKYGBPC's Venture Capitalists (VC) Office Hours:

VC OFFICE
HOURS
Powered by:
 PROTÉGÉ
VENTURES



ALPHA JWC
VENTURES



BEENEXT

BIG IDEA VENTURES

leo capital

MERMAID
VENTURES
GROUP



DECACORN
THE WORLD IS OUR OYSTER



ENSPIRE
毅創投資

Sistema
AsiaCapital

sph
VENTURES



GENESIS
ALTERNATIVE VENTURES

G O B I P A R T N E R S



Greenwillow
CAPITAL MANAGEMENT

vertex
VENTURES

Vynn Capital



idinvest
PARTNERS
eurazeo

IN SIGNIA
VENTURES
PARTNERS



wavemaker

X
A
XOOGLER
ANGELS



openspace
VENTURES

REKANEXT
CAPITAL PARTNERS

10TH LKYGBPC UMBRELLA OF EVENTS IN NUMBERS



AROUND THE WORLD SERIES

GROUND ACTIVATIONS



23

International roadshow activations



Over

6,200
Attendees

BLAZE

GRAND FINALS



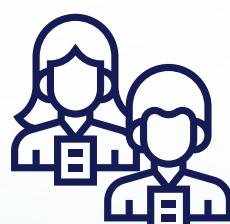
124

start-ups connected at VC Office Hours

28,000
Event Attendees



47 mentors



Senior venture capitalists providing advice

CHANGEMAKERS CONVERSATIONS

VIRTUAL PANEL DISCUSSIONS



Over **1,700** Attendees

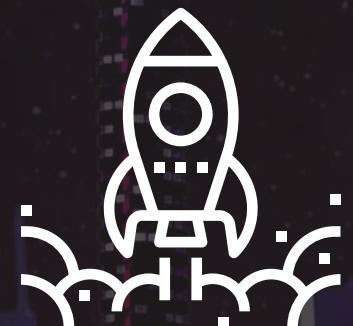


3 Trending I&E Themes



17 Speakers

WHO ATTENDS LKYGBPC?



Early-stage startups



Entrepreneurs and
Student Founders



Inventors and Tech
Professionals



Social & Sustainability
Entities



Venture Capitalists (VC)
and Investors



Corporates



Government Agencies and
Urban Developers



Students & Faculty in Innovation,
Sustainability and Entrepreneurship

The value of the network that we get is amazing! Having access to prominent VCs in the region and learning from the best – like how they look at deals and investments are incomparable.

Aloysius Toh
Student-Principal of Protege Ventures
(Southeast Asia's first student-led VC programme)



LEE KUAN YEW
GLOBAL BUSINESS PLAN COMPETITION

LKYGBPC 2023

WHAT'S IN THE PIPELINE



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INNOVATIONS BEYOND BOUNDARIES

CATEGORIES



Pre-revenue teams with
disruptive technology or
business plans only.



Revenue-generating
early stage start-ups,
up to Series A.

REIMAGINING A SMART, SUSTAINABLE & RESILIENT FUTURE

CREATE MEANINGFUL IMPACT AND BUILD A BETTER WORLD

AREAS OF FOCUS

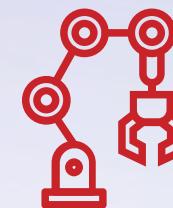


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Entrepreneurship



Urban Solutions and Sustainability

Green Economy Technologies, Energy & Grid, Air, Water and Waste Management, AgriTech, FoodTech, Food Safety, Built Environment, PropTech and Sharing Economy



Manufacturing, Trade & Connectivity

Industry 4.0, Supply Chain & Logistics Tech, Transportation & Mobility



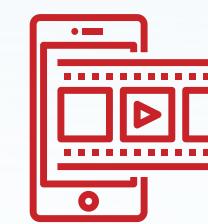
Human Health & Potential

Digitech, HealthTech, MedTech, Precision Medicine, Life Sciences & BioTech



Smart Nation & Digital Economy

Smart Citizen, Smart Governance, Cybersecurity, Blockchain Technology, EdTech, LegalTech, FinTech, InsurTech, HRTech and eCommerce



Media & Entertainment

Metaverse, Web 3.0 Impact on Social Media and D2C, Immersive Technology, Future of Gaming and Game-Fi

COMPETITION STAGES

* Timeline and dates subject to change



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COMPETITION GUIDELINES



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WHO CAN APPLY?

- Each team or startup must have at least founding member or founder, who is a current student or recent alumni of less than 5 years.
- “Current student” is defined as any person who is enrolled in a full-time polytechnic, undergraduate, postgraduate, or PhD programme at a tertiary institute.
- “Recent alumni” is defined as any person who graduated or left school or took a sabbatical after 1 January 2019.
- There is no restriction on the number of members in a team or company.

WHAT IS THE JUDGING CRITERIA?

INVESTABILITY

Teams will be evaluated based on the following:

- Innovativeness
- Commercial Feasibility
- Impact of Idea
- Capability to Execute

WHAT DO YOU NEED TO SUBMIT?

Teams will need to register, fill in the online form and submit the following:

- Executive Summary of not more than 500 words
- Pitch Deck of no more than 20 slides
- Optional: A video presentation not more than 5-min

APPENDIX

A: SOME OF OUR PAST WINNERS AND FINALISTS



SMU
SINGAPORE MANAGEMENT
UNIVERSITY

Institute of
Innovation &
Entrepreneurship



SMU CONNEXION

CHANGEMAKERS
CONVERSATIONS

2021 WINNERS

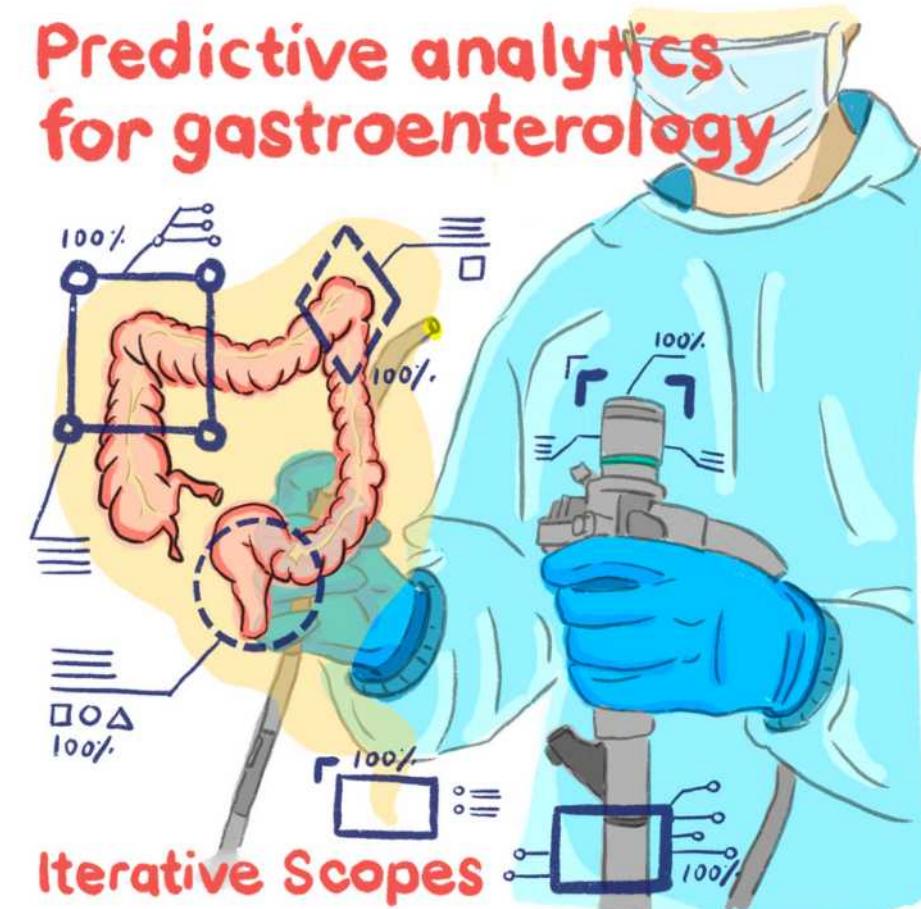
BETA PRIZE WINNER



PRECISION FOR GASTROENTEROLOGY USING AI

Iterative Scopes develops artificial intelligence (AI)-based detection and diagnostic tools for gastrointestinal physicians to improve patient outcomes.

MASSACHUSETTS, USA



INFINITY PRIZE WINNER



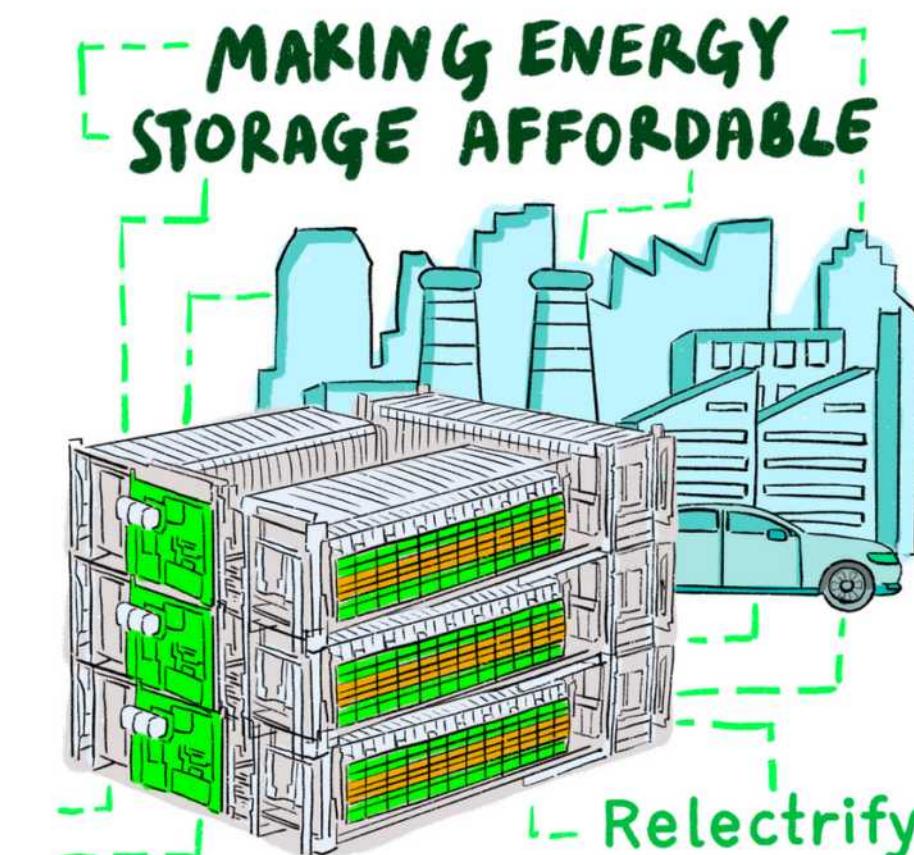
MAKING ENERGY STORAGE AFFORDABLE



AFFORDABLE ENERGY STORAGE

Relectrify develops and supplies a scalable technology solution that instantly unlocks the extra capacity in used electric vehicle (EV) batteries, providing them with unparalleled capacity and lifetime.

MELBOURNE, AUSTRALIA



2021 WINNERS

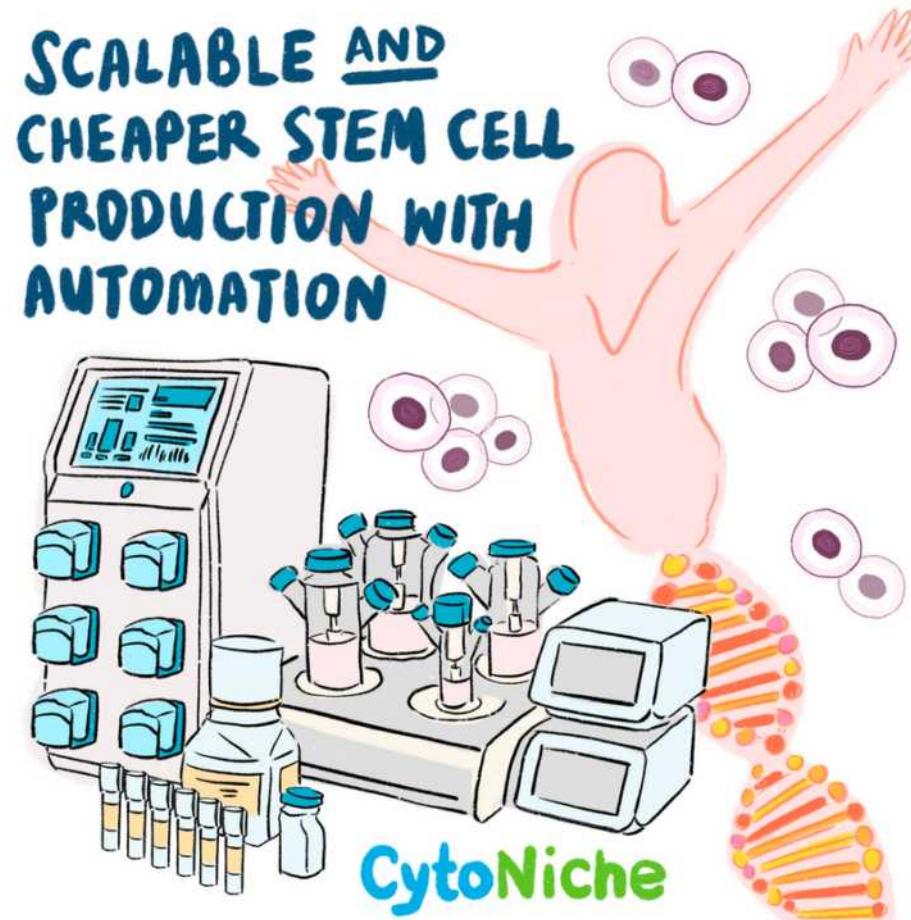
BEST PROFESSOR-STUDENT TEAM WINNER



SCALABLE AND CHEAPER STEM CELL PRODUCTION

CytoNiche is a biotechnology company that specialises in bionic 3D cell technologies and products. It develops 3D microtissue engineering technology to automate stem cell production for use in microtissue therapies.

BEIJING, CHINA



SMU CHANCELLOR CUP WINNER



ELECTROMAGNETICS BASED SENSOR SOLUTIONS FOR SAFER, RESILIENT & SUSTAINABLE CITIES

WaveScan provides an end-to-end, artificial intelligence (AI)-enabled asset inspection solution that uses advanced AI algorithms and smart scanner systems based off disruptive beamforming electromagnetics.

SINGAPORE



2021 WINNERS

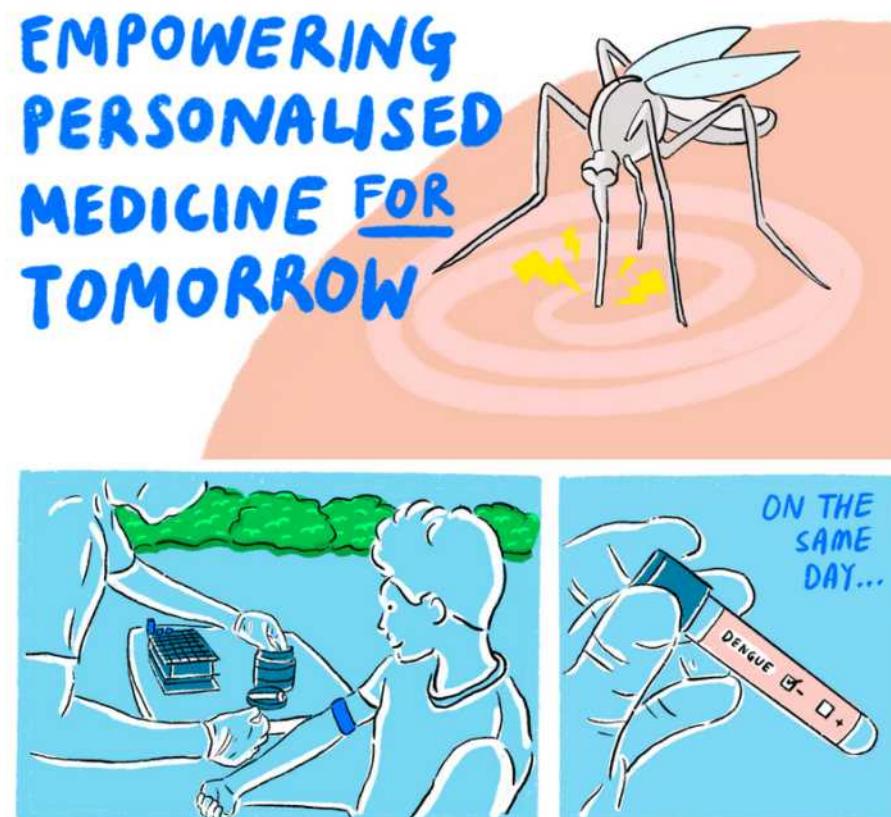
DBS FOUNDATION SOCIAL IMPACT PRIZE WINNER



EMPOWERING PERSONALISED MEDICINE FOR TOMORROW

StratifiCare develops a clinical laboratory test to accurately predict the risk of severe dengue complications, enabling healthcare providers to assess a patient's need for hospitalisation more accurately.

SINGAPORE



StratifiCare

DBS TECH FOR IMPACT PRIZE WINNER

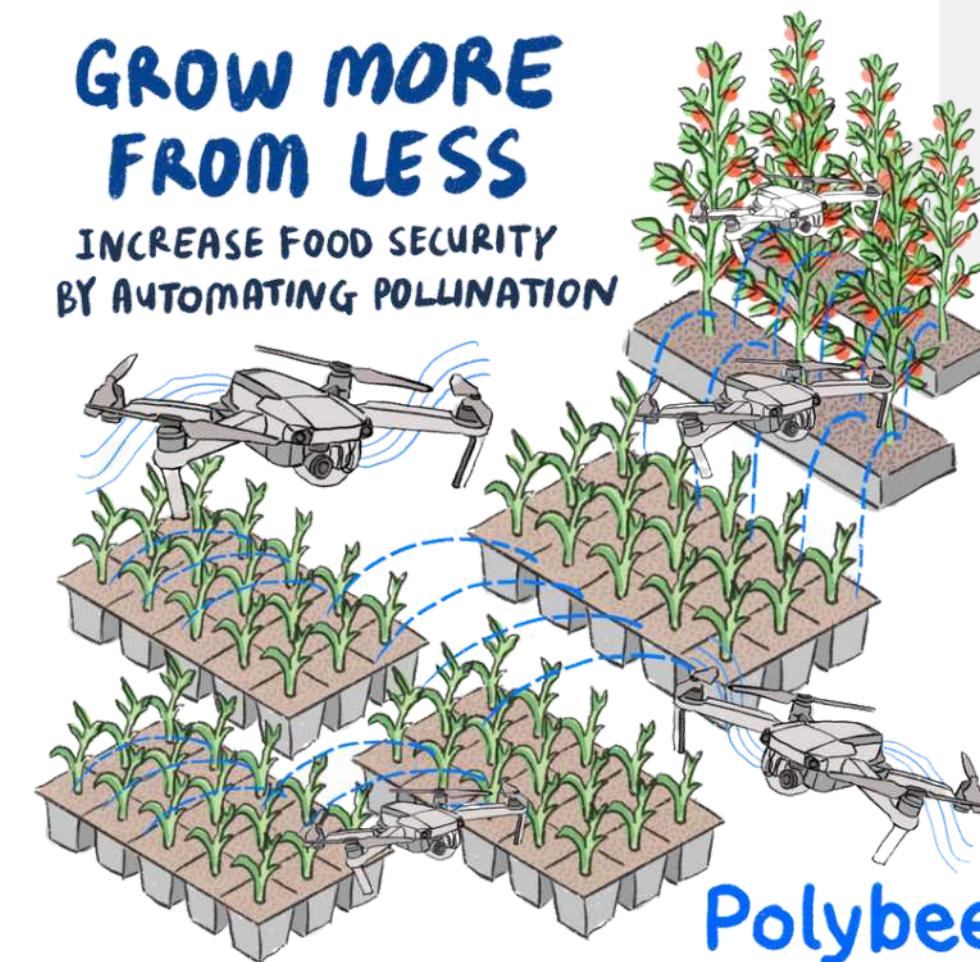


AUTONOMOUS DRONES FOR PRECISION POLLINATION IN INDOOR FARMING

Polybee aims to increase agricultural productivity and enhance food security through automation by building scalable autonomous drone platforms.

SINGAPORE

GROW MORE FROM LESS
INCREASE FOOD SECURITY BY AUTOMATING POLLINATION



Polybee

2017 WINNERS

GRAND PRIZE WINNER



ENABLING LAB GRADE TESTING ANYWHERE

Focused on Resilient, Security and SensorA technologies, Spectra Plasmonics developed a cost-effective solution that aids ultrasensitive chemical detection in areas of food and water contamination, and provides defence against illegal drugs and terrorism agents.

KINGSTON, CANADA



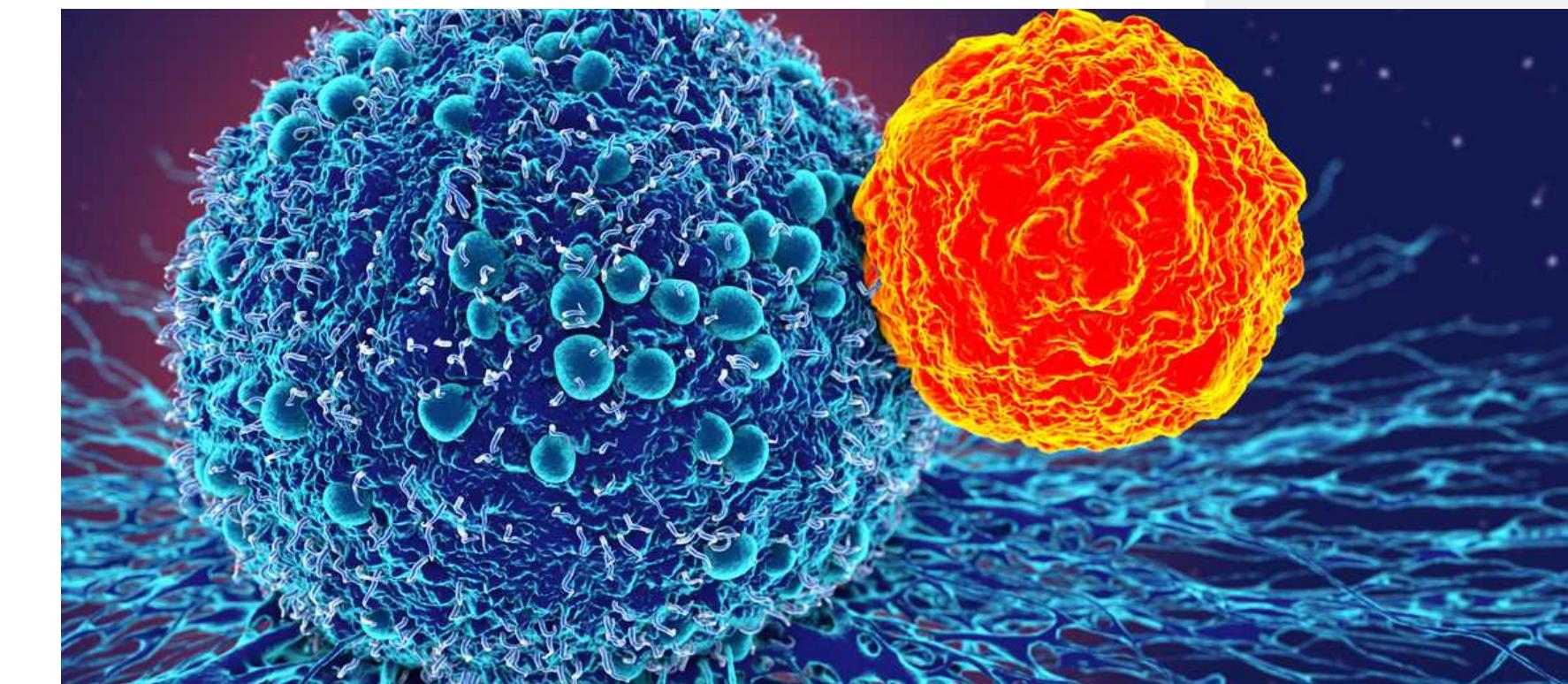
HEALTH CATEGORY WINNER



DATA DRIVEN CANCER TREATMENT

Developing in smart, medtech / AI and data solutions CCG combines deep profiling of a tumour prior to treatment with rapidly produced personalized point of care assays for treatment tracking.

CAMBRIDGE, UK



2017 WINNERS

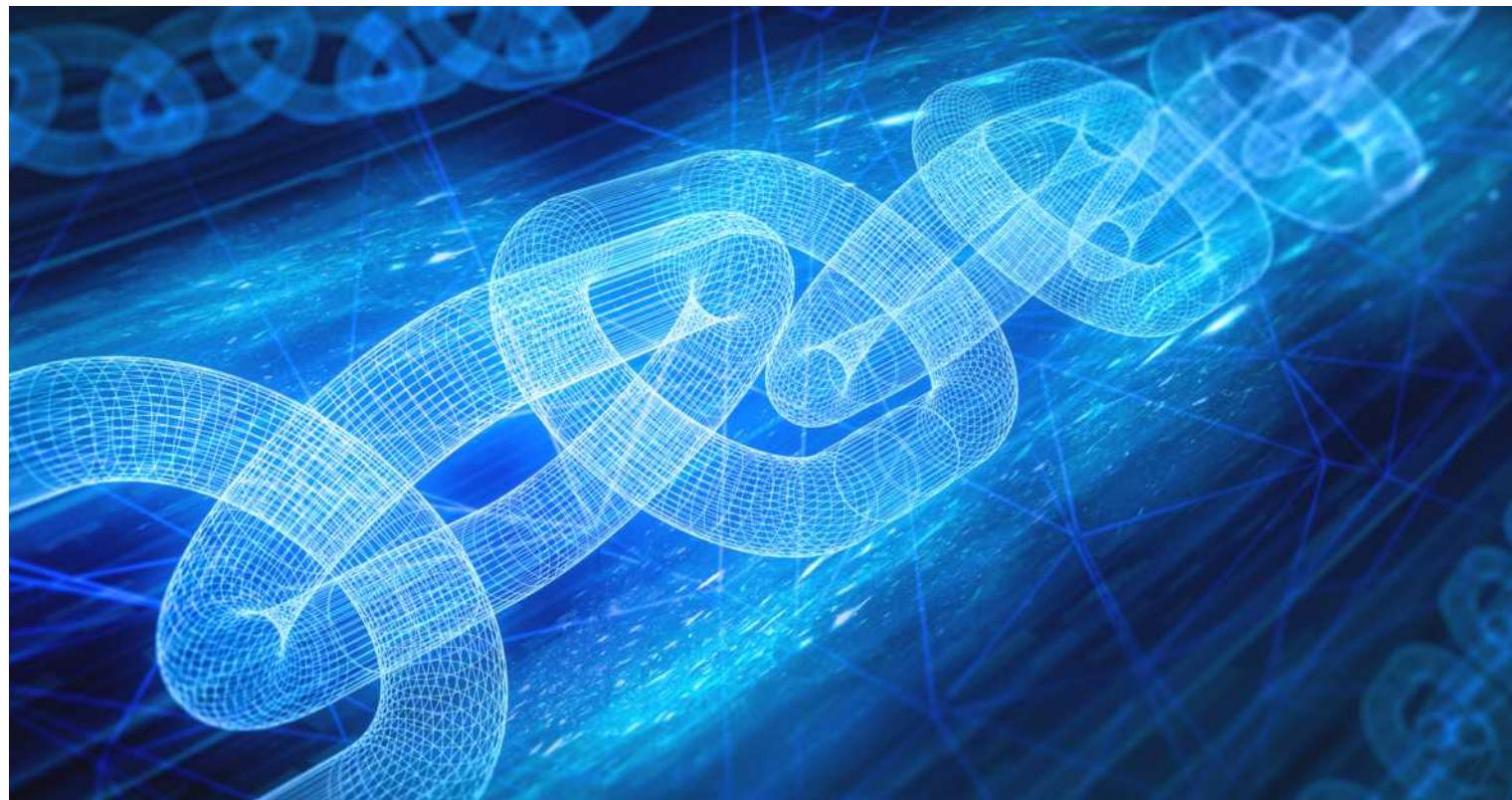
SERVICE CATEGORY WINNER



YUNPHANT (PREVIOUSLY KNOWN AS ELEPHANT CHAIN)

Yunphant enables resilient, fintech and blockchain technologies. The team developed a consortium blockchain platform for enterprises to build blockchain applications. The startup is now in its Series B fund raising.

HANGZHOU, CHINA



RENESAS SYNERGY PLATFORM IOT AWARD WINNER



IMAGINE: A WORLD WITH CONTROL OVER CHRONIC RESPIRATORY DISEASE

AEvice Health develops a wearable medical device that provides doctors and patients with alternative hard data to assess, diagnose, and detect asthma & asthma attacks earlier.

SINGAPORE

