Global Incubator Programme Clean Energy Singapore

Applicant Briefing

28th July 2026

Innovate UK | Business Growth

Agenda

09:00 Welcome & Introductions

Jens Böhm, Project Manager, Innovate UK Business Growth

09:05 Innovate UK Global Programmes

Jon Hazell, Partnership Manager – North America, Innovate UK

09:10 Innovate UK Clean Energy

James Taplin, Innovation Lead – Clean Energy, Innovate UK

09:20 Introduction to ATUM and Incubator Programme Overview

Mia Nguyen, Acceleration Manager, ATUM

09:35 Participant Experience

Dan Tennakoon, Founder & CEO, RE24

09:40 GIP Dates, Application Process & Eligibility

Jens Böhm, Project Manager, Innovate UK Business Growth

09:50 Q & A

10:00 Close

INNOVATE UK

Global Incubator Programme

Jon Hazell

INNOVATE UK

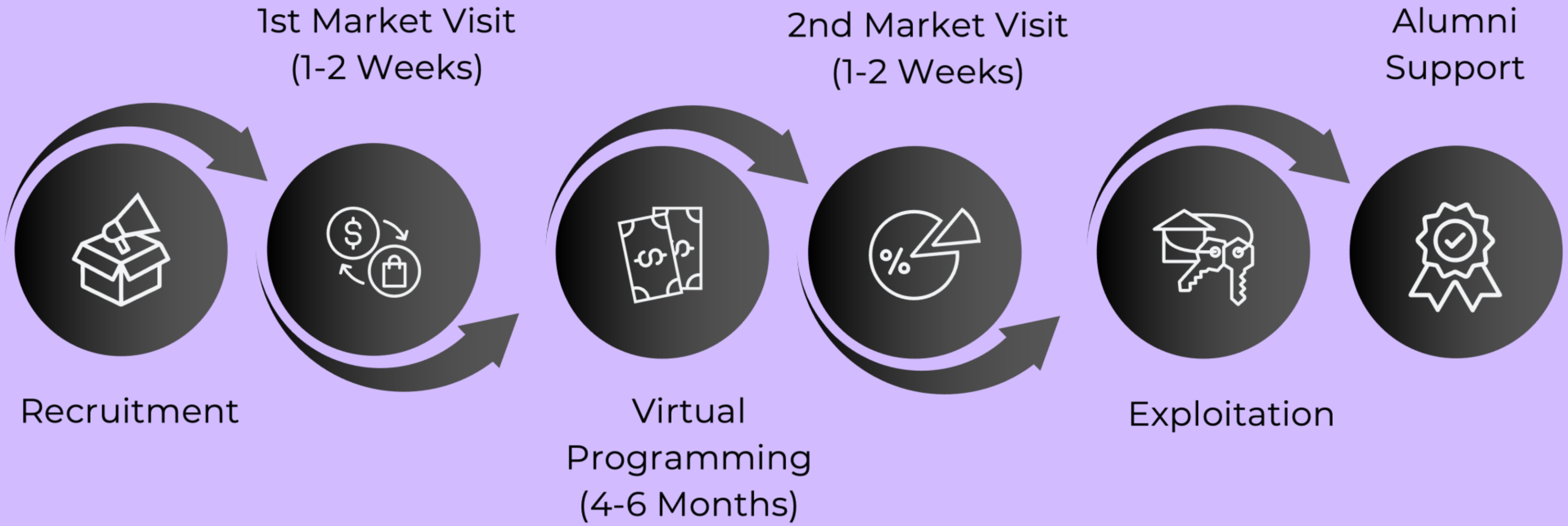
Turning Breakthrough Ideas into Industry Giants

Innovate UK

Global Incubator Programme

An acceleration programme for up to 8 innovative SMEs to grow and scale in specific sectors building long-term relationships and foundations to accelerate future market growth through the exploration Of Global Markets.

GIP Process : 12-18 Month Programme



Innovate UK

GIP Overview

Raising Awareness

Expanding global visibility and understanding of new markets

Market Validation

Ensuring product-market fit through customer discovery research and feedback.

Workshops

Facilitating skill development through expert-led sessions and Mentorship.

Innovation

Discovering new ideas to meet customer needs and development of new collaborations

Market Strategy

Defining pathways to reach target customers and attract investment

Regulatory Landscape

Navigating legal frameworks for market entry.

Innovate UK

UK in a Global World

The Opportunity:

99% of global population live elsewhere

97% of worldwide GDP is elsewhere

THANK YOU

Any questions?

Innovate UK

Innovate UK Clean Energy

James Taplin
Innovation Lead Clean Energy

Innovate UK

The UK's innovation agency

OUR VISION AND MISSION

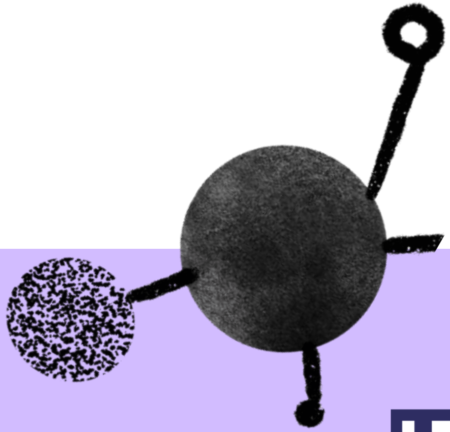
OUR VISION

Our vision is for a UK where breakthrough ideas become industry giants.

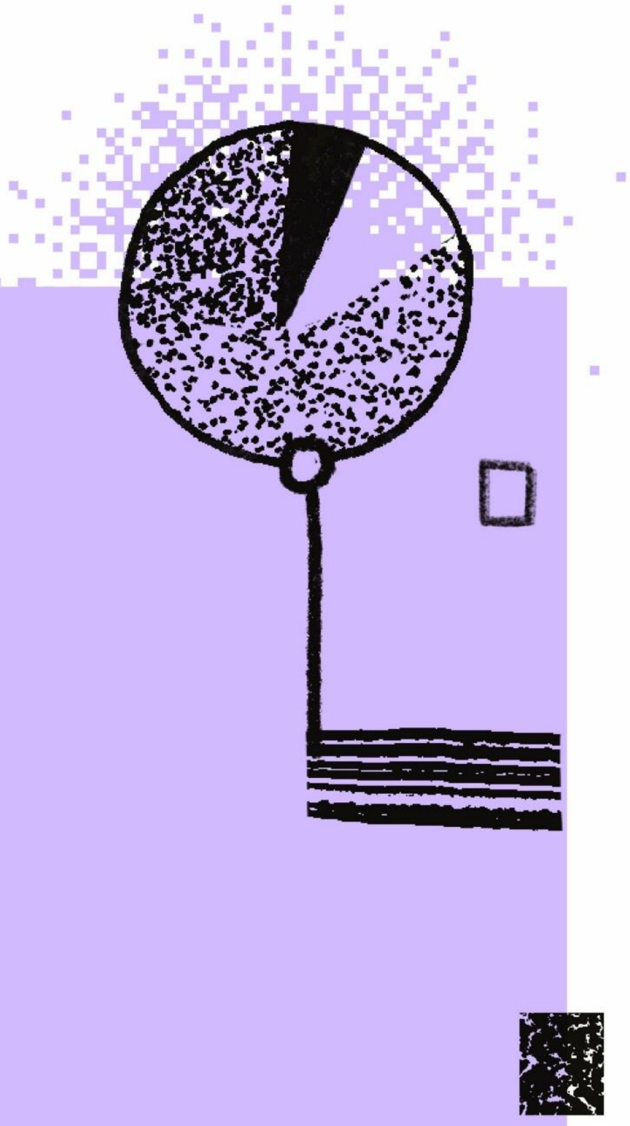
OUR MISSION

Our mission is to accelerate business innovation for the nation.

We will help breakthrough technologies become scalable businesses – turning innovation into commercial and economic growth.



Innovate UK



WHO WE BACK

- UK deep and hard tech innovators: businesses based on scientific or engineering breakthroughs that deliver step changes in capability and value

- High growth potential businesses
- A strong team to deliver
- Break-through technology
- Market-readiness of ideas, business and opportunity
- **Has a need that we can meet**

VELOCITY

- An end-to-end offer, built around the needs of each business: not a one-size-fits-all approach. We support the journey from innovation to growth.
- A concierge approach where businesses receive the right support, at the right time, from a cohort if like-minded businesses

Innovate UK

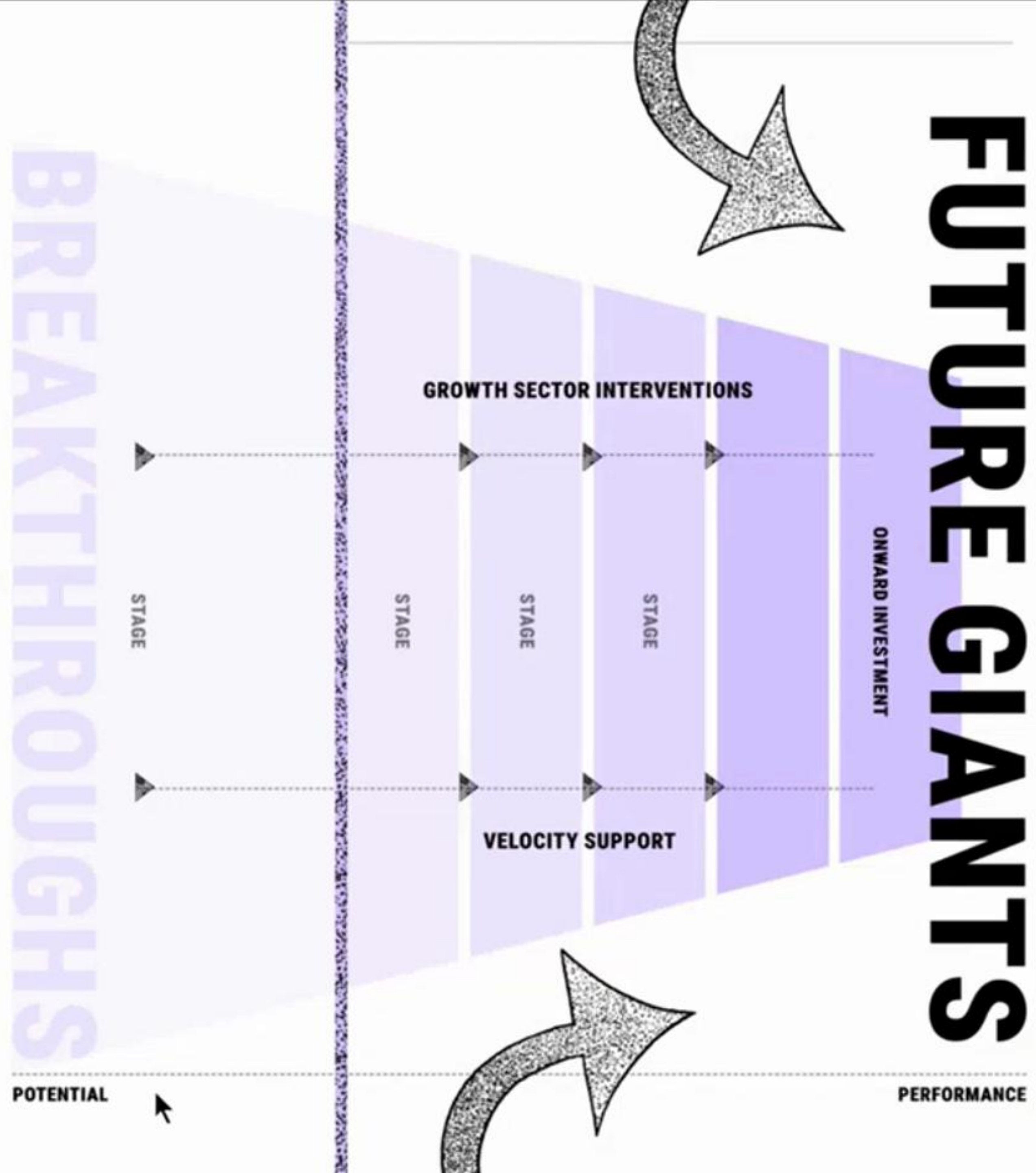
HOW WE WORK:

THE INNOVATE UK MODEL

1 **IDENTIFYING INNOVATE UK'S HIGH POTENTIAL BUSINESSES:** SIGNS OF POTENTIAL, SIGNALS OF PERFORMANCE

2 **GROWTH SECTOR TEAMS:** DEEP SECTOR EXPERTISE AND ACTIVE PORTFOLIO MANAGEMENT

3 **VELOCITY:** A CONCEIRGE APPROACH TO GROWING INNOVATIVE BUSINESSES



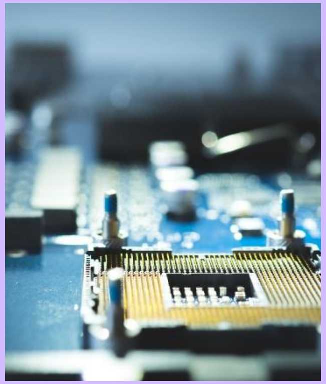
INDUSTRIAL STRATEGY SECTORS

Advanced Manufacturing

Creative Industries

Clean Energy

Defence



Digital & Technologies

Life Sciences

UKRI Innovate UK

CLEAN ENERGY

- A broad scope defined in collaboration with expert delivery partners and team focal areas:

- A) Energy Systems
  - Renewable energy storage including Long-Duration Energy Storage (LDES)
  - Grid tech and digital solutions for increased renewable energy deployment
  - Low-cost renewable energy generation and solar technologies including off grid power supply and back-up power
  - Modulation of energy demand including energy flex, demand shift, demand reduction, or digital technologies
  - Energy technologies supporting the EV transition

CLEAN ENERGY

- A broad scope defined in collaboration with expert delivery partners and team focal areas:

- B) Industrial Decarbonisation & Alternative Fuels
  - Hydrogen, Ammonia and Low-Carbon Fuels
  - Carbon Capture, Utilisation and Storage (CCUS)
  - Energy efficiency solutions including digital solutions
  - Low-cost low emission heat technologies
  - Novel production of industrial products including chemicals, cement, and steel
  - Data-Centre Decarbonisation (liquid/immersion cooling, energy management, green power)
  - Port decarbonisation

UKRI Innovate UK

ATUM – Singapore

Mia Nguyen
Acceleration Manager
ATUM, Singapore

Innovate UK

The UK's innovation agency

ATUM

COLLECTIVE + VENTURES + CAPITAL

MIA NGUYEN

Acceleration Manager

ATUM

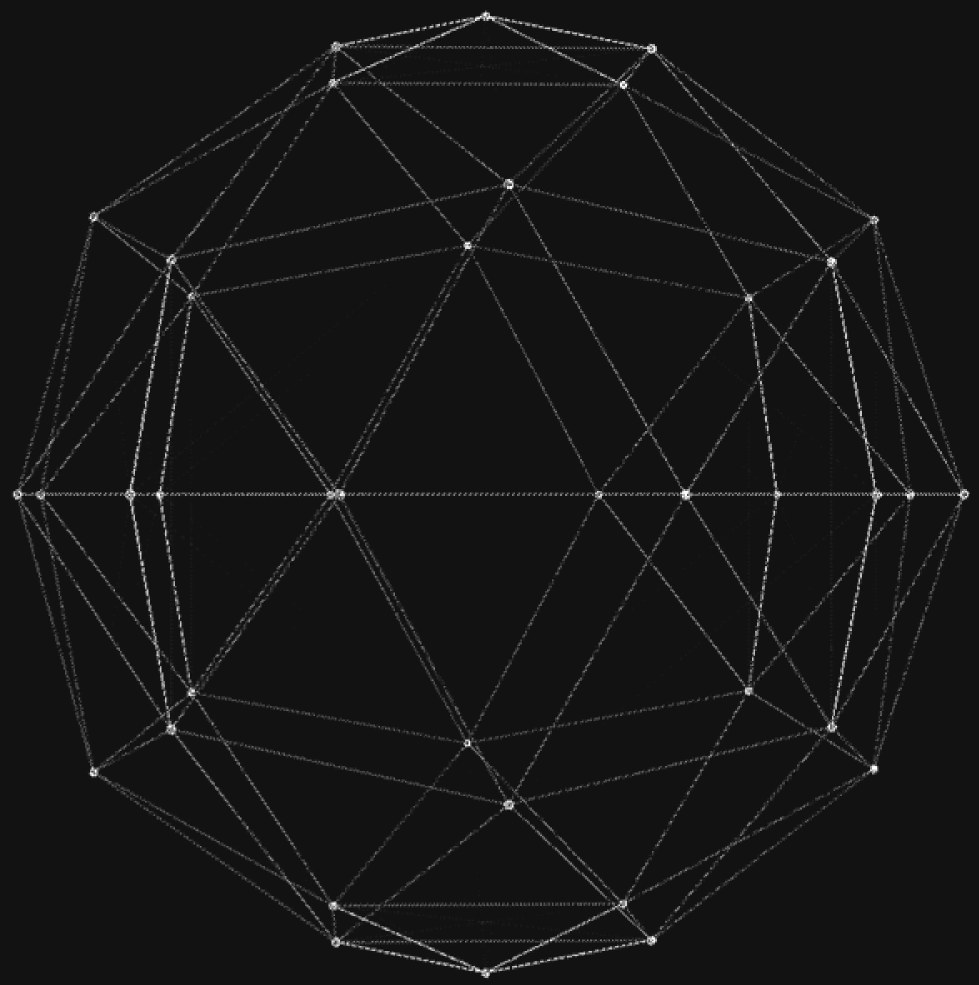
WHAT TO EXPECT

- About ATUM
- Cleantech in Singapore
- Programme Overview

WE FUEL THE REBELS OF SCIENCE

ATUM supports courageous founders who turn differentiating tech into world-changing companies that solve critical challenges in Energy, Cleantech and Advanced Manufacturing.

We bring capital, operational muscle and partners from academia, industry, VC, and government who co-invest in every build.



FOUNDER FIRST,
COLLECTIVE BACKED

OPERATORS AT HEARTS

FROM SCIENCE, TO MARKET

ATUM

THE COLLECTIVE

SAMPLE OF PARTNERS
NOT JUST LOGOS BUT ACTUAL PARTNERS
(UPDATED MONTHLY)

Founding Partners

Government Partners

Research Partners

Investment Partners

Corporate Partners

Individual Partners

42+ Scientific council members

57+ Founders

25+ Entrepreneurs in residence

and more…

SELECTED ASIA NETWORK

JAPAN
NAGOYA UNIVERSITY

KOREA
BTB VENTURES
경남창조경제혁신센터
Gyeongnam Center for Creative Economy & Innovation

CHINA
X·NODE 创 极 无 限
NexPCB

VIETNAM
NIC
NEW ENERGY NEXUS Vietnam
DO VENTURES
BLOCK 71 Saigon

PHILIPPINES
Kickstart Ventures
GOBICORE PH FUND

MALAYSIA
1337 VENTURES
SUNWAY CORPORATE VENTURE CAPITAL
GOBI PARTNERS
Cradle

INDONESIA
ANB INVESTMENT
Barito Pacific
GREEN ERA
East Ventures

ATUM OVERVIEW

15+	45+	$1.8 bln	1st
Ventures built in Singapore	Market Expansion Portfolio	Portfolio valuation	Exit in Singapore within 4 years, achieving positive DPI

Who We Are

Singapore-based deep tech venture builder and investor. Endorsed by EnterpriseSG. Backed by investors across SEA and Europe including Philips and ASML.

How We Work

Operators, not passive capital. Serial entrepreneurs who have built, scaled, and exited deep tech ventures. We invest our own capital in every build from day one through Series A.

Our Focus

Advanced Manufacturing (Semiconductor, Physical AI, etc.), Energy (New Materials, Electrification, Green Chemistry, etc.), Cleantech, (Water Treatment, Decarbonisation, etc.)

Why ATUM?

Operator model	Proven exits	Corporate track record
We build, not advise	First in Singapore	TÜV SÜD, Philips, ASML

- *Access our full expansion portfolio here*
- *Access our full venture building portfolio here*

ATUM

ATUM INVESTS IN SINGAPORE-BASED DEEP-TECH STARTUPS FROM PRE-SEED TO SERIES A

23 INVESTMENTS TO DATE

We bring together ATUM Ventures' dealflow and expertise in deep-tech venture building with ANB Investment's evaluation and execution capabilities to help make it happen. We generally lead rounds, take a board seat, and work closely with founders to add value.

Aprisium KEIRON MEDO AI acquired by EXO ANTOMATION SIGNOS virta darwinbox

ATUM

OUR PROGRAMMES

TRUSTED PARTNERS OF DEEPTECH EXPANSION

UKRI Innovate UK

KISED KOREA START UP

JETRO Japan External Trade Organization

HIGH TECH XL

Enterprise Singapore

VINNOVA Sweden's Innovation Agency

OUR UNIQUE PROPOSITION

1 TAILORED SUPPORT FOR BUSINESS OUTCOMES

HIghly selective programmes with limited number of high quality companies receiving long-term tailored support leading to a consistent track-record of delivering successful business outcomes

30+ concrete results, including investments, distribution agreements, strategic collaborations and more

1000+ Business meetings arranged

2 EXCLUSIVELY DEEP TECH FOCUSED

Strong deep-tech ecosystem partners providing tailored, expert support throughout the entire programme

50+ EIRs and access to all tier- 1 deep-tech investors

25+ Corporate Partners under contract for POCs and Pilots

3 EARLY STAGE INVESTMENT ARM

Market Expansion ventures are a direct pipeline for our investment arm. Investment is considered when there is strong alignment. ATUM are investors, builders - not consultants

7+ Term sheets provided to ME ventures for direct or co-investment alongside our partners

ATUM

PORTFOLIO SAMPLES

NEARFIELD INSTRUMENTS

Country: Netherlands
Company Stage : Series C

High-throughput 3D scanning probe metrology systems for next-gen semiconductor manufacturing and inspection

holdson DYNAMIC ELECTROCHEMICAL SOLUTIONS

Country : United Kingdom
Company Stage : Post-Seed

Electrochemical polishing for metal components with patent-pending dynamic electrodes.

SCIL Nanoimprint solutions

Country: Netherlands
Company Stage : Series A

Nanoimprint lithography equipment enabling high-volume, low-cost production of AR optics, photonics, biosensors, and metalenses

innatera

Country: Netherlands
Company Stage : Series A

Neuromorphic processors that mimic the brain's spiking neural networks to enable ultra-low-power AI inference at the edge.

MIMICRETE

Country: United Kingdom
Company Stage : Post-Seed

Self-healing concrete technology that automatically detects and repairs cracks, reducing infrastructure maintenance costs and extending structural lifespan.

Graphmatech

Country: Sweden
Company Stage : Series A

Graphene-based nanocomposite materials enabling lightweight, conductive, and low-friction components for the green energy transition

3T additive manufacturing

Country : United Kingdom
Company Stage : Acquired

End-to-end metal and polymer 3D printing service bureau producing high-precision components for aerospace, medical, and automotive

QuiX QUANTUM

Country: Netherlands
Company Stage : Series A

Photonic quantum computing hardware built on integrated photonics chips for fault-tolerant, scalable quantum processing.

and more…

ATUM

CAPITAL

Pre-seed, Seed and Series A investments

OFFICE

Vibrant office space surrounded by entrepreneurs and the deep tech community

TALENT MATCHING

Local talent matched based on company needs and skill sets

OPERATIONAL SUPPORT

We assist with incorporation, hiring, contracting,… All the operational support to hit the ground running.

ACCESS TO CORPORATES

Gain access to corporates for POCs, problem statements, IP, etc

ENTREPRENEUR IN-RESIDENCE

Coaching support from EIR with deep industry, commercial, or technical expertise

RESEARCH COLLABORATION & GRANT APPLICATION SUPPORT

Fast-track research collaborations with research institutes; fast track grant application and support

TECHNOLOGY APPLICATION VALIDATION

Assessment of technology by ATUM's Scientific Council and of market use cases by ATUM's Venture Architects

ATUM

THE BEST PLACE TO BUILD DEEP TECH VENTURES

THE SINGAPORE FACTOR

ATUM

+ THE GATEWAY TO ASIA

Strategic hub connecting global markets and proximity to Southeast Asia's emerging deep-tech markets.

+ ROBUST GOVERNMENT SUPPORT

Singapore's government has committed S$25 billion to research, innovation, and enterprise with a focus on advanced manufacturing, sustainability, healthcare, and digital economy.

+ ACCESS TO LEADING RESEARCH & IP

World-class universities and research institutes with frameworks for startups to license IP from public research institutions. Home to 21 public research institutes and over 50,000 research scientists and engineers.

+ STRONG FUNDING ECOSYSTEM

S$6.1 billion total funding in 2023 with 31.4% increase in deals associated with deep-tech.

ATUM

- Singapore's **transparent and efficient legal system** is ranked among the top globally for contract enforcement and IP rights protection and is **ranked #1 in Asia** for ease of doing business by the World Bank.

- **Highly educated workforce** of engineers, scientists, and domain experts trained at world-class institutions with schemes like EntrePass and Tech.Pass allow foreign founders and deep-tech experts to relocate easily.

- One of **the most mature research and innovation environments in Asia** with good quality research and grant funding frameworks to support commercialization of IPs.

- Singapore is ranked as **the top VC hub in Asia-Pacific** outside of China, attracting international capital due to its regulatory stability and IP protection. Access to multiple asset classes, total AUM of S$5.4 trillion (US$4.1 trillion)

SINGAPORE CLEANTECH SECTOR

Singapore's cleantech sector is a strategic economic growth area. Leveraging its status as a major financial and capital hub, the city-state serves as a global R&D and test-bedding center.

Singapore Green Plan 2030, a whole-of-government effort spearheaded by five ministries across five pillars (City in Nature, Energy Reset, Sustainable Living, Green Economy, Resilient Future)

Strategic Growth Pillars

- Green Data Center Roadmap: Driven by the Infocomm Media Development Authority (IMDA), Singapore is focusing on energy efficiency and sustainable practices to mitigate the massive power demands of digital infrastructure.
- Renewable Energy Imports: To support the domestic grid, Singapore plans to import up to 6 GW of low-carbon electricity by 2035 and targets at least 2 GWp of domestic solar deployment by 2030.
- Physical AI and Manufacturing: The city-state is a fertile testing ground for integrating AI with physical processes (Physical AI), including carbon capture, battery recycling, and the production of bio-based chemicals

STRONG COMMERCIAL-PULL SECTORS

- Building energy efficiency & sustainable cooling
- Data-centre decarbonisation (liquid/immersion cooling, energy management, green power)
- Solar BIPV
- Grid & demand management / smart grid
- Energy storage

ADJACENT / SUPPORTING SECTORS

- Water, waste & circular economy
- EV & charging infrastructure
- And Others

SINGAPORE CLEANTECH

The Ecosystem: How the Pieces Connect

GOVERNMENT (Policy, targets & incentives)	CORPORATE (Pilot, buy & integrate)	INVESTORS (Funding)	PUBLIC (Deploy & adopt)
Ministry of Sustainability and the Environment Singapore	sembcorp	edbi	NUS National University of Singapore
MTI Ministry of Trade and Industry Singapore	Keppel	GenZero	NTUitive NTUitive Pte Ltd
Energy Market Authority – Our Clean Energy Future; EDB Singapore	SPgroup – Empowering the Future of Energy	100 X 100	Housing & Development Board

ATUM • ENABLERS CONNECT ALL PARTIES

Outcomes reinforce the next round of policy

PROGRAMME TIMELINE

Global Incubator - Clean Energy Singapore 2026

July - Sep 26	Sep 26	Oct 26	Nov 26 - Feb 27	1-5 Mar 27	5-30 Mar 27	31 March 2027 onwards
Recruitment & Selection	Interview & Shortlisting	Prepare + First Immersion Trip (26-30 Oct)	Pursue: Market Scoping	Immersion Trip 2 (1-5 Mar)	Market Validation	Wrap Up and Next Steps

Total duration: 9 months + 1-year follow-on support

PROGRAMME STEPS

01 RECRUITMENT & SELECTION

Open call for applications: https://iuk-business-connect.org.uk/opportunities/global-incubator-programme-clean-energy-singapore/

02 PROGRAMME ONBOARDING & PREPARATION

A comprehensive onboarding sets clear expectations and builds trust, aligning startups & scaleups with programme goals and equipping founders with the knowledge to succeed

03 IMMERSION VISITS

Include curated 1:1 meetings with potential customers and investors, government and ecosystem access, strategic partner matching and industry site visits. Opportunities to participate in trade shows, exhibitions and showcases to qualified buyers only.

04 MARKET SCOPING

Structured workshops, coaching, and curated connections help you pressure-test your market entry assumptions, map the landscape, and decide where the real opportunity sits. Entrepreneur-in-Residence matching gives you the local insight that desk research can't, so you leave with a focused, evidence-based entry strategy.

05 MARKET VALIDATION

With a sharpened strategy, this phase is about proving demand and converting interest into commitments. Structured enterprise follow-ups, proposal support, and partner identification turn early conversations into pilots, customers, and the distribution or integration partners you need to scale.

06 ALUMNI SUPPORT

For a full year afterwards, founders keep building with ATUM behind them, including fundraising support, strategic connections that keep the expansion on track and sustainable.

PROGRAMME COMPONENTS

HYBRID

+ Workshops approximately every 3–4 weeks
+ Programme check-ins with ATUM monthly, focus on progress in the programme and progress on their expansion strategy
+ Mentor sessions: each company assigned a personal EIR/Mentor, monthly session
+ Individual pitch practice sessions to prepare for the showcase in immersion visit 2
+ Online cohort graduation in March 2027

PHYSICAL IN SINGAPORE

+ 2 immersion visits - each for 5 days
+ Corporate and innovation hub visits and tours
+ Individual 1-1 business meetings
+ Trade and exhibition participation
+ Showcase Day (in second immersion visit)
+ Access to experts/mentors/ecosystem partners on the ground

PROGRAMME SNAPSHOTS

INCORPORATION WORKSHOP

CUSTOMER SALES PITCH

SHOWCASE DAY

TRADE SHOW

VISITS & BUSINESS MATCHING

NETWORKING

ATUM

SELECTED* VISITS & MEETINGS

*not just a list of logos but verified meetings between decision makers and cohort participants

CLEAN TECHNOLOGY

+

MURATA, MICRON, SG INNOVATE, PARAGON CAPITAL, TRIREC, CFES NGEE ANN POLYTECHNIC, ELEV8 VC, SANDS, VC, RIPPLE8
and many more…

ATUM

SELECTED EIRS

MIKE RIVETT-CARNAC

Director
Tirecel Investment

SU-E YAP

Regenerative Food Facility Lead
The Nature Conservancy

ALI HASNAIN

CEO & Co-Founder
Curium

PAUL DE MISOUARD

Vice President of Engineering & Operations
Spare Parts 3D

STEVE O CONNOR

Founder
Pia Ventures

JAN KEMELING

Founder
Carbonpave

PIERRICK BOUFFARON

Managing Partner
Entropia Capital

HON MUN YIP

Associate Professor
NUS Business School

ERIC CHAN

Founder
Brookside Consulting

ABHISHEK GUPTA

Founder & CEO
Movel AI

ALBERT SUTIONO

Vice President Commercial & Strategy
Craft Health

SANJEY CHANDRAN

Investment Director
CSD Ventures

AD KETELAARS

CEO
Spinta

RAGHAV NARAYAN

CEO
Aprisium

and many more...

REAL IMPACT

Tangible results that create lasting growth for startups & scaleups and fulfil partner goals for global expansion

"The programme has enabled us to develop tangible commercial relationships in Singapore that would have not been possible otherwise."

DR.ALIREZA MONJEZI

Founder & CEO, Waterwhelm

Global Incubator Programme: Singapore - Cleantech 2024

Total Connections through programme	R&D Grant - Project with Local SG Company
80+	**£476,415**

REAL IMPACT

How we help?

We introduced Holdson to our network of investors and corporate partners. Holdson managed to secure investment, generated early commercial traction, and emerged as the ***category winner at the SWITCH Slingshot competition out of 5,000+ applicants***

Investment raised through programme	MoUs/ pilot projects initiated
USD 500K	**16**
Sales opportunities	Total Leads
36	**70**

"Having the confidence to stand up and talk about my business, understanding the unique value proposition, especially within the APAC region has been possible due to the training and session work provided by the programme. I would urge any innovators to consider this program if they are seeking to explore Singapore as an active commercial region."

NEIL DICKINSON

CTO, Holdson

holdson
DYNAMIC ELECTROCHEMICAL SOLUTIONS

Global Incubator Programme: Singapore - Adv Manufacturing 2024

AFTER THIS

Hear from Alumni of

Global Incubator Programme: Singapore - Cleantech 2025

FREQUENTLY ASKED QUESTIONS

+ **Time commitment:** A day per every one to two week (1-1s with Acceleration Managers, EIRs and Mentors, live workshops, meetings)
+ **How to apply:** https://iuk-business-connect.org.uk/opportunities/global-incubator-programme-clean-energy-singapore/
+ **Confidentiality:** No need to share trade secrets within application form
+ **Travel:** Hybrid with 2 x In-Person Immersion Week (one at the start of the programme and at the end - digital programme in between)
+ **Direct investment opportunity:** ATUM does invest in Cleantech startups. Eligibility and criteria are assessed on a case-by-case basis and will be shared during the programme.

ATUM

DEEP-TECH.
BUILD, NOT HYPE.

WWW.ATUMVENTURES.COM

CONTACT@ATUMVENTURES.COM

Participant Experience

Dan Tennakoon
Founder & CEO
RE24

Innovate UK

The UK's innovation agency

GIP Singapore 2025

RE 24

Dan Tennakoon

Founder and CEO

How was GIP Singapore for us?

CONTRACTED CLIENTS

CapitaLand

+ Loads New Leads!

PITCH PERFECT

CONFERENCE FLOOR

MADE NEW CONNECTIONS

+ MANY MEETINGS

My Reflections

1. The more you put into it, the more you get out

2. Successful client meetings

3. You’ll make friends

4. Full on two weeks during the immersion visits

Go for it! It can be life changing for your venture!

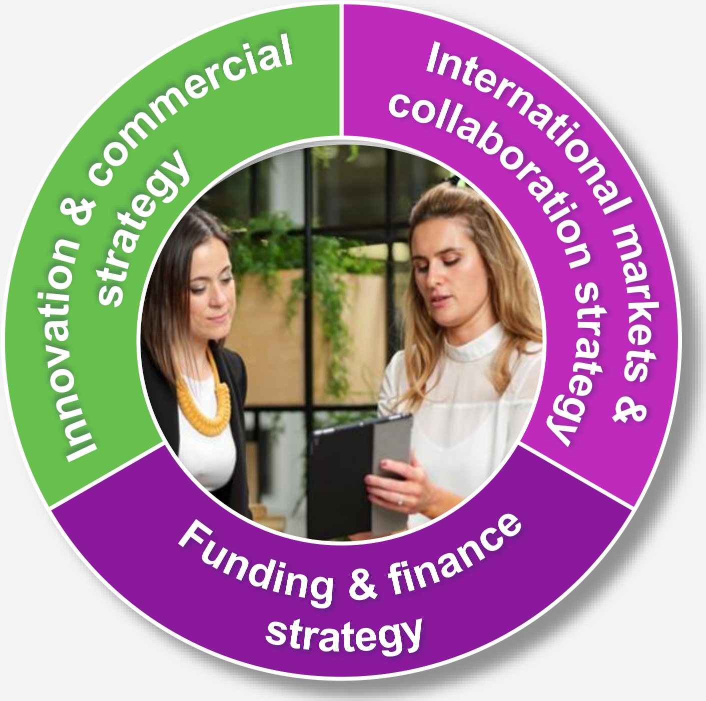
GIP Dates, Eligibility & Application Process

Jens Böhm, Project Manager
Innovate UK Business Growth

Innovate UK

The UK's innovation agency

Specialists with comprehensive expertise to help you hone your strategy



Innovation and growth specialists and scaleup directors nationwide, who are also plugged into technical experts across Innovate UK and beyond.

With the commercial acumen and innovation experience to help clients hone their growth strategies and accelerate their progress in three broad areas.

"Our specialist's knowledge and experience…has been incredibly helpful and comforting. The…ups and downs can be tough but having that consistent sounding board has made a huge difference."

Jason Mashinchi, Managing Director at Cambridge Kinetics

Application Timeline

31st August 2026 at 5pm (BST) – closing date for applications

w/c 07 September – shortlist interviews

14th September – successful applicants notified

↕ **September** – sign & return offer letter

22nd September – virtual programme kick-off

Late September – Innovation & Growth specialist (IGS) allocated for GIP strategic planning & wrap-around support

Accessibility and Inclusion

Innovate UK welcome and encourage applications from people of all backgrounds and are committed to making our application process accessible to everyone.

This includes making reasonable adjustments, for people who have a disability or a long-term condition and face barriers applying to us.

Further information

Eligibility

UK based SME (<250 employees) with ambitions to grow and scale globally

Be an innovative technology provider within Clean Energy Sector

Be able to attend and complete <u>all</u> Programme activities in the UK and Singapore

Applicant must be either CEO, founder, senior exec director or decision maker

Key Programme Dates

Virtual programme kick-off – 22 September 2026

Incubation Programme Starts

Immersion visit – 26 Oct to 30 Oct 2026

Showcase visit – 01 to 05 March 2027

Exploit the Opportunity Workshop (virtual)

* All activities are a **mandatory** part of the GIP programme

What is the cost? Innovate UK will fund:

- International flights – group return economy travel from the UK to Singapore
- Group hotel accommodation in Singapore during market visits incl. group airport transfers
- Internal transport – for events, receptions, site visits, etc.
- Incubator support for the duration of the Programme

What is the cost? Companies will fund:

Travel within the UK e.g., UK travel to airport

Singapore visa fee

Subsistence / meals outside of hotel breakfast and group activities

Travel and medical insurance

Innovate UK | Business Growth

A Good Application

Demonstrates:

Fit with the GIP scope within Clean Energy sector

That now is a good time to expand internationally, particularly to the Singapore, and how you plan to scale as a result

Explains:

- The size of the market opportunity
- Commercial traction and the impact of your technology
- The credentials of team that will be involved in the programme

Your Programme objectives and the organisations you wish to connect with during the Programme

Considerations

1. **CEO, founder or senior decision maker** must apply and complete all activities
2. Ability to **commit to all Programme dates**
3. Company **resourced** to maximise the opportunities created
4. Commit to **work closely with your innovation and growth specialist (IGS) or scaleup director**
5. Agree to **report back on meetings and outcomes achieved**

Additional information

- For any enquiries, please contact: Jens.Boehm@iukbg.ukri.org
- To view further details on this GIP including the application form please use this **link**
- To view all GIP opportunities such as clean energy with India among others, please visit: **https://iuk-business-connect.org.uk/opportunities/**

Questions?

Innovate UK

The UK's innovation agency