



Cleantech

Singapore 2025

Global Incubator Programme



Innovate
UK



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Innovate UK

Innovate UK, part of UK Research and Innovation, is the UK's innovation agency. It works to create a better future by inspiring, involving and investing in businesses developing life-changing innovations. Its mission is to help companies to grow through their development and commercialisation of new products, processes and services, supported by an outstanding innovation ecosystem that is agile, inclusive and easy to navigate.

www.ukri.org/councils/innovate-uk

Innovate UK Business Growth

Innovate UK Business Growth is Innovate UK's national business growth and scaling service. It is an integral part of the innovation agency's products and services portfolio.

The service is available to all established small to medium sized innovation-focused growth companies, including Innovate UK grant winners.

Innovate UK Business Growth accelerates its ambitious clients on their growth journeys with one-to-one support from over 400 innovation and growth specialists and scaleup directors embedded in every UK region and nation. Their tailored, expert advice helps thousands of businesses sharpen their commercial strategies, realise the maximum value from their IP, raise game changing investment and take their businesses onto the global stage every year.

www.iukbg.ukri.org



Global Incubator Programme

Innovate UK's Global Incubator Programme works with expert partners in-market to enable UK companies to establish international innovation collaborations and to overcome barriers to entering global markets.

We are pleased to work in partnership with ATUM Ventures and Better Earth Ventures to deliver this Cleantech incubator in Singapore. Participating companies are seeking partners for joint R&D projects, accessing new markets through technology partnering or attracting foreign investment to support the commercialisation of UK technology. These global programmes support high growth, innovative businesses, enabling them to explore and exploit opportunities in specific countries and technology areas, providing market knowledge and cultural insight that they may otherwise not be able to generate for themselves.





ATUM Ventures

At ATUM Ventures, we exist to support courageous founders who turn differentiating tech into world-changing companies that solve critical challenges in Energy, Medtech and Advanced Manufacturing.

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

We support local founders by building ventures from scratch through our venture building platform. We support global founders by helping them expand into Singapore and South-East Asia through our market expansion programmes.

ATUM Ventures is supported by Enterprise Singapore, HighTechXL, XNode, A*StartCentral and National Health Innovation Centre (NHIC).

Visit www.atumventures.com for more information.



Better Earth Ventures

Better Earth Ventures accelerates climate and agrifood solutions by helping growth-stage companies expand into Asia-Pacific and scale sustainably across borders.

Based in Singapore, we focus on transformative technologies and initiatives that mitigate climate change and promote sustainable living. With a strong portfolio of game-changing companies and a community of 2,000+ people engaged through our annual events, we provide founders with both the networks and market access to scale sustainably.

By combining local insight, strategic partnerships, and hands-on support, we empower visionary entrepreneurs to turn bold ideas into lasting impact.

Visit betterearthventures.com for more information.



Cleantech

In the UK, innovation and investment in Cleantech is becoming increasingly important. In May 2019, the UK became the first major economy to set in law the goal of reaching net zero greenhouse gas emissions by 2050. Cleantech plays a vital role in achieving this goal and provides sustainable solutions to reduce carbon emissions and ensure a cleaner and healthier environment for future generations.

The scale and speed needed to make this change means that the potential market opportunity is enormous. By investing in clean technologies such as renewable energy, energy efficiency, and circular economies, the UK can create new jobs, boost innovation, and stimulate economic growth. Cleantech industries have the potential to drive economic development alongside providing the much-needed change for our environment.

Additionally, Cleantech can help reduce the country's reliance on imported fossil fuels and can help the UK to build a more resilient and sustainable economy. As natural resources become increasingly scarce, clean technologies offer innovative solutions to mitigate resource depletion and reduce waste generation. By adopting circular economy principles and promoting resource efficiency, the UK can create a more sustainable and productive economy that is less reliant on finite resources.

Cleantech is vital for addressing global environmental challenges and boosting economic growth, and UK businesses are well-positioned to share their solutions and expertise in this area. Similarly, Singapore is taking firm actions to do its part to build a sustainable future and can provide a better understanding of the market needs and practical collaboration opportunities.

With these alignments between the UK and Singapore, we have invited a range of innovative companies operating in sectors that can accelerate and grow the Cleantech market. These include innovations across 11 focus areas:

- Smart City
- Smart Grid
- New Energy Solutions
- Resource-Efficient Energy Solutions
- Advanced Buildings
- Carbon Capture & Utilisation
- Waste Management & Circular Economy
- Water
- Environment
- Transport and Mobility
- Sustainable Materials

Through this Global Incubator Programme, we want to stimulate new partnerships that allow UK and Singaporean businesses to collaborate, co-develop and evolve solutions that are better than they would be alone, and to begin to deploy those solutions together in global markets.

Singapore and UK Cooperation

The UK is actively seeking international research and development collaboration partners to exploit and continue the development of these Cleantech technologies. Building on the strong mutual interest in co-innovation between Singapore and UK companies, in 2021 Enterprise Singapore (ESG) and Innovate UK, the UK's innovation agency, signed a Memorandum of Understanding (MOU) to strengthen cooperation in "co-innovation" and joint research and development. This is to enhance enterprise competitiveness and facilitate "go-to-market" partnerships in emerging technologies.

Under the MOU, ESG and Innovate UK have now launched the Singapore-UK Bilateral Co-Innovation Programme (CIP) to develop and fund eligible innovation projects between Singapore and UK enterprises in areas including Cleantech Technology.

The CIP has run three bilateral funding calls between the UK and Singapore supporting 41 joint projects. The latest joint funding took place in 2024. The MOU between Enterprise Singapore and Innovate UK was expanded and extended in October 2024 for a further 3 years.







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Profile

Bladon has an innovative energy solution and our products are in field producing power in remote locations around the world. It is a clean efficient alternative to diesel generators and with our protected IP and modular design we can scale up the business ready for mass production.

We have available now, a 12 kVa microturbine (MTG12), whilst the R&D team are working towards a 40 kVa (MTP40) unit being available later this year. Both products can be used standalone, hybrid or grid connect.

The Bladon products have one moving part and our air bearing technology means no lubrication or oils, thereby reducing running costs. The combustor has a future proofed design and is fuel flexible, with the potential to use biogas and hydrogen over time.

Objectives

Bladon's primary market is telecoms and we are seeking partners to help us reach out to additional customers and industries across Southeast Asia. We see Singapore as the perfect central location to leverage our products in the region.

There are 80 million diesel generators across the world and due to the remote locations needing power across Southeast Asia, the region has one of the highest usages in the world.

We would like to work with distribution partners to help reduce the number of diesel generators and therefore the amount of CO2 released into the atmosphere. We would also like to work with innovative partners and suppliers who can complement our technology and work with our R&D teams to meet both the customers and the planet's needs.





Clean Power. Today.

Bladon is a pioneer in the design, development and manufacture of Micro Turbine Gensets (MTG). The Bladon MTG uses proven technology to simply deliver practical primary power without the high operating costs, noise and pollutants of a conventional diesel genset. It lowers monthly operating expenses and total cost of ownership, compared to traditional diesel gensets, hybrid diesel gensets or fuel cells, especially for off grid and bad grid site applications.



Reliable remote power



Fuel flexible



Ultra low maintenance



Cleaner. Quieter



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Hydrologiq



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Profile

Hydrologiq simplifies modern energy supply for off-grid industries – decarbonising a £346bn global diesel machinery market that produces 1.3 gigatons of CO₂e every year. We do this through the Logiq platform - our patent-pending, unique operational platform that unifies hydrogen, battery, and renewable energy systems. Built for fuel providers and asset owners, it connects their entire fleets - enabling remote monitoring, demand forecasting, delivery planning, and system-wide optimisation from a single dashboard.

For fuel providers, Logiq centralises fleet, inventory, and delivery - eliminating spreadsheets and manual phone calls for secure, scalable growth. For asset owners, it provides fleet-wide monitoring, planning, and deployment tracking, with live alerts, operational insights, and streamlined emissions reporting.

Deployed the world's first hydrogen-powered film shoot for Toyota. Delivered 30+ hydrogen-powered deployments across construction, events, festivals and film, for customers such as Balfour Beatty and Sunbelt Rentals. Named "Top Ten Hydrogen Innovator" by Sustainable Ventures, as well as being part of UK Hydrogen Innovation Initiative's End-to-End Demonstrations. Collaborated with UK Digital Catapult to create the Hydrogen Digital Supply Chain Testbed - a digital twin of the hydrogen supply chain.

Objectives

We are involved in a collaborative R&D project with a Singaporean OEM, integrating the Logiq platform with their physical product to create a smart generator. While this technical integration provides an entry to the Singapore market, we would like to gain a deep understanding of the commercial landscape.

Collaboration with end-users, OEMs, hydrogen suppliers, and local regulatory bodies will allow us to understand how to deliver our products in Singapore and APAC.



Logiq

Unify hydrogen, battery and renewable energy systems



Efficient

- Forecast fuel use and plan refuelling
- 25% reduction in fuel waste*



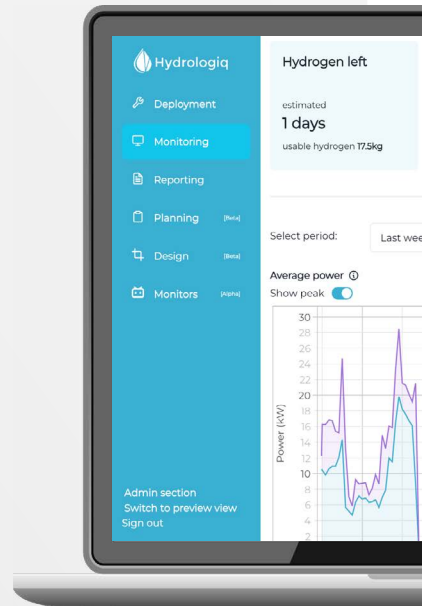
Faster

- 4x faster project planning and delivery*



Safer

- Remote monitoring and leak detection
- Regulatory compliant sites by design

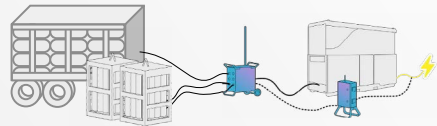


Patent-pending technology platform to manage modern energy supply chains



Software

to plan, manage and monitor operations, fuel & assets



IoT Hardware

integrates fuel & assets or use our API



iBoxit



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Profile

iBoxit provides biodegradable alternatives to EPS packaging, helping Singapore's seafood and logistics industries transition to sustainable, plastic-free solutions. Our patented technology uses agricultural waste to create cost-effective, high-performance packaging that reduces plastic waste and carbon emissions.

In Singapore, we aim to collaborate with seafood exporters, logistics providers, and regulators to introduce our solutions for cold chain transport and food preservation. With £1.1m in UK grant funding, we are moving to industrial market testing and seeking manufacturing and distribution partners in the region. We also seek investors interested in our UK parent company, which owns our IP portfolio, or those looking to invest in Asian joint ventures to expand sustainable packaging solutions across Southeast Asia.



iBOXiT

Objectives

iBoxit's objective in Singapore is to replace EPS packaging in the seafood and logistics sectors with biodegradable, plant-based alternatives.

Our key goals include:

Pilot projects with Singaporean seafood and logistics companies to test and validate our EPS-free packaging.

Establish local manufacturing or distribution partnerships to scale production in Southeast Asia.

Secure regulatory approvals for biodegradable packaging compliance in Singapore's food and logistics sectors.

Introduce our plant-based antimicrobial spray to extend seafood shelf life, reducing waste and improving supply chain efficiency.

Engage investors interested in funding UK-based IP development or Asian JVs for large-scale market expansion.

By bringing scalable, sustainable packaging solutions to Singapore, we support the country's net zero ambition.



iBOXiT



Every day, 24 million EPS boxes are disposed of in the oceans.

60% come from SE Asia

Multi-trip box

Reusable - Washable - Recyclable



Single-trip box

Biodegradable - Compostable



Zyvex® antimicrobial

100% Organic - Food-safe - Natural



measurable.energy



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Profile

measurable.energy is a Cleantech company controlling and eliminating wasted energy in temporary, commercial, retail and hospitality buildings by addressing 'plug power' - appliances like AV equipment and coffee machines that account for 40% of a building's energy use.

Our AI-powered plug sockets automatically switch off unused devices, reducing energy by 30-60% and preventing socket overloads, a key cause of building fires.

Our unique approach offers very cyber secure automated AI driven control and real-time appliance, energy and carbon reporting, making energy management simple and effective. Unlike circuit-based solutions, we control at the device level, maximising savings without disruption.

measurable.energy has saved over 200 tonnes of CO2e by reducing plug power waste in commercial buildings. Our award-winning technology is deployed across UK offices, construction sites, and hospitality, with clients including Kier, Wernick, McLaren, Tortilla, Full Circle Brew Co, and NHS Cornwall.

Objectives

We've won multiple awards, including 'Sustainable Tech Company of the Year' (Thames Valley Tech Awards) and 'Commercial Product of the Year' (Electrical Industry Awards), recognising our impact in energy efficiency and sustainability.

With investment from Vertex (Temasek), measurable.energy is positioned to expand into Southeast Asia, starting with Singapore. We want to collaborate with local reseller partners and directly with large organisations in commercial real estate, construction, retail and public sector buildings. We want to collaborate with electricity utilities for flexibility and control.

We can deploy quickly (UK socket) and are looking for 2025 launch customers to showcase and begin our expansion.

measurable.energy

Plug Power is Draining Your Buildings.

We Stop It. Automatically.

Up to 40% of a commercial building's electricity use comes from plug power.

Half of that is wasted. Most systems don't see it. **We do.**

measurable.energy combines AI-powered sockets with a complete energy control centre – giving you real-time, appliance-level control.

Join the commercial energy revolution and take control at the socket.



Scan the QR code for
more information



www.measurable.energy



Reduced energy use by **52%**
and carbon output by **49%**



Energy waste **halved**



ROI in **4 months**



Cornwall and
Isles of Scilly

Halved energy and CO₂
in 12 months

METzero Technologies



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Profile

METzero is unlocking value from wastewater. Based in the UK, METzero is a female-founded cleantech company pioneering MicrobialElectrolysis Technology (MECs) to transform industrial wastewater into a circular resource. Where traditional treatment sees cost, we see hydrogen and ammonia - valuable resources for a circular economy. Our retrofittable and scalable systems enable industries to cut treatment costs, increase capacity, and generate valuable products.

METzero is a core partner in the £1.6 million METREAU project funded by OFWAT, the UK water industry regulator. This initiative includes major UK utilities like Northumbrian Water, Yorkshire Water and Thames Water and aims to deploy a mobile pilot unit to validate METzero's technology at scale. We are also engaged with global beverage leaders on pilot opportunities, highlighting strong industry demand. Backed by 15+ years of research and UK grant funding (incl. Innovate UK, Royal Academy of Engineering, OFWAT), METzero is now engaging with investors and will open a funding round in early 2026 to accelerate commercialisation and international growth.

Aligned with Singapore's ambition to grow its hydrogen economy and drive sustainable industrial solutions, METzero is looking to collaborate with investors and partners to scale the next generation of wastewater innovation.

Objectives

METzero aims to redefine wastewater treatment by developing scalable, energy-efficient, resource-recovering solutions for industries across Southeast Asia.

Our key objectives include:

- **Showcase our pilot progress** as we transition from lab to industrial-scale validation.
- **Attract investors** seeking scalable cleantech delivering hydrogen recovery and circular economy benefits.
- **Explore partnerships** with beverage, water utilities, and industrial players in Singapore and Southeast Asia to deploy pilot and demonstration projects.
- **Catalyst sustainable hydrogen pathways** that cut emissions and unlock cost efficiencies for industry.

METzero
— WASTE TO RESOURCE —



METzero
— WASTE TO RESOURCE —



REDEFINING TODAY'S WASTEWATER TO UNLOCK TOMORROW'S RESOURCES

We turn wastewater into valuable resources, helping **water and food & beverage companies** reduce costs, increase capacity, and drive sustainability.



OUR BENEFITS

- ✓ Green hydrogen recovery
- ✓ Green ammonia recovery
- ✓ 30% less GHG emissions
- ✓ 20% more plant capacity
- ✓ 11% less energy consumption



Plastic-i



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Profile

Plastic-i is an Oxford-based climate-tech company leveraging multi-sensor satellite imagery and proprietary AI models to deliver near-real-time global water monitoring service. Our work empowers governments, environmental groups, and maritime operators with data-driven, decisive and actionable insights for plastic debris monitoring, harmful algal bloom forecasting, aquaculture oversight and blue carbon ecosystem mapping.

We offer scalable, hardware-free, web/API-based monitoring at 30 times the frequency and 10 times the cost efficiency compared to traditional methods. Our flagship platform, the Plastic-i Observatory, features risk maps, pollution alerts, habitat health indicators, and climate resilience metrics, providing clear, timely information to prioritise interventions.

Plastic-i is an Earthshot Prize Nominee (2024), ESA Phi Lab Finalist (2025), and TechRound100 Awardee (2024). We have generated over SGD 850k in revenue and delivered projects across Southeast Asia, Europe, and North America.



Plastic-i

Objectives

We view Singapore as our gateway to Asia, and are committed to strengthening its role as the regional hub for sustainable water innovation.

We are keen to partner with government agencies, research institutions, cleanup organisations, aquaculture operators, and restoration project developers (blue carbon) to launch collaborative pilot projects that leverage localised datasets to train our AI models.

We align with the Singapore Green Plan 2030, and aim to integrate with Singapore's ESG frameworks to support corporates, investors, and regulators meet reporting goals, enabling measurable progress towards unlocking blue economy growth. Additionally, we seek to advance blue carbon credit validation by providing high-quality, verifiable data on seagrass and mangrove ecosystems, enabling trusted measurement and verification.

By embedding ourselves in Singapore's CleanTech ecosystem, advancing local partnerships and market expansion, we look to drive long-term adoption of satellite-based environmental intelligence across Asia and accelerate the region's transition to a resilient blue economy.



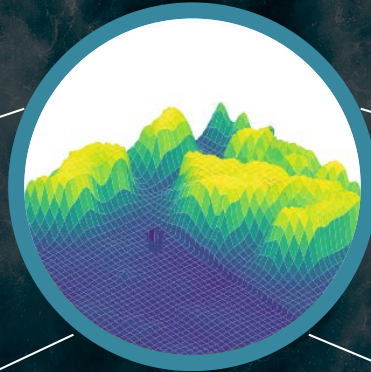
Plastic-i

Satellite and AI Intelligence for Water Resilience



Scan to Access the
Plastic-i Observatory

Transform *dynamic water data* into *decisive insights*
to *manage, restore* and *grow* water ecosystems *sustainably*



Marine and River Plastic Monitoring

Detect, track and forecast
plastic pollution

Harmful Algal Blooms Forecasting

Early warnings for algal
blooms and water quality

Blue Carbon Ecosystem Mapping

Monitor seagrass, mangroves,
and sargassum

Aquaculture Oversight

Track utilisation and habitat
water conditions across sites

30x

greater monitoring
frequency

20x

improvement in
cleanup efficiency

10x

lower cost than
traditional surveys

Why Plastic-i?



Near Real-Time Data

Faster and more accurate
than traditional surveys



Scalable & Cost-Effective

Global insights with AI and
satellite monitoring



Regulatory Aligned

Supports compliance with
sustainability targets



Driving Impact

Supporting clean oceans, blue
economy, and decarbonisation



Book a demo by visiting
www.plastic-i.com



Contact us:
hello@plastic-i.com

RE24



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Profile

RE24 is a UK-registered CleanTech company that transforms how businesses decarbonise their electricity. We are an enterprise platform for businesses to buy renewable energy and renewable certificates directly from generators. We get 24/7 hourly-matched renewables for businesses.

With 20+ years of energy experience and strong technical capabilities, we simplify how businesses buy renewable energy across multiple geographies. RE24 platform matches the best renewable projects for your company, automates the contracting, and provides real-time tracking and managing for the whole portfolio. Our platform empowers data centres and large energy users in Singapore to; meeting sustainability goals with reduced energy cost, and managing their local, regional and global portfolio.

We contracted Keppel Data Centres on a 10-year contract. We delivered them four renewable PPAs achieving 79% hourly renewable matching and 7% energy cost savings. The PPAs are saving 275,000+ tCO₂ over the lifetime. Our technology is 4-times recognised by Innovate UK funding. Awarded as Digital Innovation of the Year at The Energy Awards 2025. We are an ISO 9001:2015, 14001:2015 and 27001:2022 certified BCorp with SDG\$ 1M+ contracted revenue.

Objectives

RE24 aims to partner with Singapore's data centre operators, industries, and Cleantech ecosystem leaders to accelerate adoption of 24/7 carbon-free energy solutions. By collaborating with government agencies, utilities, and corporates, we will localise our platform to address Singapore's energy mix and policy goals.

Our strategy includes forging pilot PPAs with early adopters, co-developing projects with innovation partners, and building investor confidence to establish Singapore as our hub for Asia-Pacific expansion.



RE 24

Your Business Deserves 100% Green Energy

24/7 Hourly-Matched Renewables at Market-Beating Prices



An enterprise platform to
**decarbonise your
electricity with
renewables and
certificates**

How It Works

1

Share Your Energy Data

Tell us your
energy needs
and
sustainability
goals

2

We Match You with Renewables

Our projects and
certificates
matches your
hourly demand

3

Get Your Custom Dashboard

Monitor your
green energy
usage, costs,
and carbon
savings in real-
time

Award-Winning Innovation

Winners of Digital
Innovation of the Year
2025 - Energy Awards

4,691

**GWh Green Energy
Assets**

B Corp Certified

Committed to
environmental and
social responsibility at
our core

70% +

**Hourly Matched
Renewables**

Data Centre Specialists

Deep expertise in high-
energy operations and
24/7 power
requirements

7%

**Average Client
Savings**

Trusted by **Keppel Data Centres**

and more..



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**Scan here to
connect**

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Profile

Treeva makes use of readily available land on the side of roads and railways to generate renewable energy which is predictable, reliable and efficient. We provide 2m-high Treeva turbines which rotate from the airflow of passing transport, with twice the energy efficiencies of alternatives.

We are grateful for the support of the International Renewable Energy Agency, Samsung Electronics UK, Imperial, the World Business Council for Sustainable Development and Innovate UK among other international organisations.

Our solution supports the Singapore Green Plan 2030 Energy Reset pillar, increasing energy independence. We have installed paid pilots within the UK, and demonstrate SDGs 7, 9, 11, 12, 13 and 15 alongside significant payback from accessible power.

Objectives

Treeva's main objective is addressing Singapore's urgent need for space-efficient renewable power to tackle high energy import reliance. Singapore's transport commitment in the Green Plan 2030 is evident, with the Land Transport Authority's efforts to cut emissions from transport, reduce materials in MRT stations, and implement low-carbon concrete.

With support from local transport authorities, Treeva is determined to help increase Singapore's energy independence using limited land, with our market-ready novel infrastructure.

We are currently deploying with 23 transport operators on our international waiting list. Pilot demonstrations will enable us to grow in Singapore and showcase meeting regulations to expand into southeast Asia over the next 12–18 months.





Reliable power from transport.

Uses readily **available space**
and existing airflow.



Powers infrastructure, such as
lighting, digital signs and
EV charging.

- ✓ Energy Independence
- ✓ Significant Payback
- ✓ Saves 3x Emissions



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