The 30 UK tech scaleups tackling climate change to watch

- Tech Nation has selected the 30 most promising scaleups from across the UK to join world-first Net Zero programme
- Companies are tackling a range of climate issues with innovative technologies, including in construction, farming, robotics, and e-mobility
- The Net Zero programme has been designed to support innovative companies that will help build a cleaner, greener, and more sustainable future
- The UK led Europe for VC investment into Net Zero companies in 2019, at £336mn in VC investment - up 28% on the previous year, according to new research published today

8th September 2020: Tech Nation, the growth platform for tech companies and leaders, announces the 30 scaleups that have been selected to join the new Net Zero programme. Announced in Alok Sharma's speech today at London Tech Week, the companies come from across the UK and across a range of sectors including construction, agriculture, and energy.

The cohort includes companies that are building electric vehicles, creating vertical farms and animal-free dairy products, measuring environmental footprints, and improving manufacturing and recycling supply chains. These companies represent the most promising UK scaleups contributing to the UK reaching its goal of net zero greenhouse gas emissions by 2050.

In a new report, published today, Tech Nation found that the UK leads Europe for the number of Net Zero companies, at 323 compared to 207 in France (35% less) and 150 in Germany (53% less). Furthermore, 37% of UK Net Zero companies are at an early stage of growth, showing an impressive pipeline for the sector. 26% of UK Net Zero companies are late-stage, highlighting the growth already happening to meet emission targets. In 2019, the UK also led Europe for VC investment into Net Zero companies at £336mn in VC investment, 55% more than France which received £216mn, and 18% more than Germany with £283mn. VC investment in Net Zero in the UK has grown by 28% from 2018 to 2019.

The government-backed initiative is the first of its kind, designed to accelerate the growth of the UK's most promising Net Zero scaleups. Sessions will include quantifying sustainability, navigating the regulatory landscape, and how to internationalise a Net Zero business. The programme comes at a critical moment, with Covid-19 highlighting the key role played by technology in aiding a green recovery to the crisis and the importance of building a sustainable future.

The programme is supported by partners BNP Paribas, who bring their expertise to scaling up climate action. The partnership will support the collective mobilisation of clean tech solutions, which are a vital part of accelerating the transition to a low carbon economy. Companies selected to join were assessed through a rigorous judging process. The judging panel included Hayden Wood, CEO, Bulb, Pippa Gawley, Founder and Director, Zero Carbon Capital, Mark Hodgson, Chief Business Officer, Cervest, Tom Adeyoola, NED, Verco, Dr Ben Caldecott, Director of the Oxford Sustainable Finance Programme at the University of Oxford, Helen Clarkson, CEO, The Climate Group, Jeff Eneberi, Director, Sustainable Seaweed and Azeem Azhar, Founder, Exponential View.

In addition to the 30 companies joining the Net Zero cohort, four additional 'Fellows' will join the programme. The Fellows selected are net zero companies at a later stage of funding, or are alumni

of Tech Nation growth programmes. The Fellows will have access to the Net Zero coaching sessions and peer-to-peer learning opportunities. The Fellows will also share their learnings and experience as net zero companies who already have experience scaling within this unique space.

The Net Zero cohort

Airex , London - Buildings

Airex has a mission to end fuel poverty. Aiming to reduce home energy consumption, Airex is an IoT-enabled smart ventilation control that helps reduce heat demand in homes, whilst managing indoor air quality. The system's in-built smart sensors monitor and analyse environmental conditions, while its cloud based algorithms automatically regulate air flow. Airex is approved by UK energy regulator Ofgem to be adopted under the ECO (Energy Company Obligation) scheme.

Antonym, Leeds, Yorkshire - EV Ecosystem

The road freight market is worth £2.5 trillion, but it's a big culprit when it comes to carbon emissions. Antonym is tackling the issue with smarter, safer, cleaner and greener logistics. Using proprietary in-house EV technology and advanced manufacturing techniques like Metal 3D printing, Antonym offers a bolt-in plug and play solution to electrify existing diesel trucks to make them electric, zero-emissions, and noiseless.

Better Dairy, London - Agriculture and Food Systems

Dairy farming emits over 1.7 billion tonnes of CO2 equivalent a year, more than five times the global aviation industry. Better Dairy is building the future of food by developing completely animal-free dairy products that are molecularly identical to traditional dairy, using a similar process to beer brewing. Removing animals from dairy production isn’t only great for animals and the environment, but gives consumers better food options and food manufacturers better ingredients.

Boxergy, Edinburgh, Scotland - Energy and Electricity

The best way to drive adoption of clean energy is to lower the cost. Boxergy’s mission is to provide home energy cheaper, greener and smarter by selling it, and the hardware required, as a service. Their Hero platform brings together existing low carbon technologies to maximize efficiency and integrates them with their smart tariff. This allows customers to buy energy when it's cheap and green, and use it when they want.

Circulor, London - Supply Chain

Manufacturing and recycling supply chains are complex, global and often involve dealing with human rights or environmental issues. Circulor empowers businesses to fully manage their supply chains and drive responsible sourcing and recycling. Circulor creates an immutable record of the chain of custody of materials, linking the end products to their source. This traceability data also enables organisations to make informed decisions to reduce their carbon footprint.

Connected Kerb, London - EV Ecosystem

Moving to electric vehicles en masse is impossible without the corresponding infrastructure. Connect Kerb's EV charging and smart cities infrastructure champions sustainability, connectivity and flexibility. Connected Kerb are innovating and developing an entirely new, environmentally sensitive combined infrastructure that has the potential to enable everyone to transition to electric vehicles, while providing an interoperable platform for current and future technologies.

CupClub, London - Waste Management and Circularity

CupClub is a platform for brands and retailers to manage and track consumer reusable packaging for the Food and Beverage industry. On a mission to reduce single-use plastics from circulation, CupClub enables customers to halve CO2 consumption by switching to reusable packaging. CupClub manages its end-to-end reuse system by charging customers a flat per order fee to collect, sanitise and redistribute their packaging.

Earthly, London - Environmental Footprinting

Earthly is a tech platform giving businesses a new way to lead the fight against climate change. Focused on natural carbon removal, Earthly helps businesses invest in natural climate solutions that take them beyond carbon-neutrality to become climate-positive. Investments support projects that protect, restore and re-establish crucial ecosystems like forests, peatlands, mangroves and seabeds. Each project is vetted by an independent scientific board, monitored by satellite, and visualised on a shareable immersive platform.

Ecologi (formerly Offset Earth), Bristol, South West - Offsetting

Ecologi is a subscription service for your carbon consumption, kind of like Netflix for the planet. With the overarching aim to avoid 2/3rds of all carbon emissions, individuals and businesses can remove their carbon footprints by subscribing to grow their own forests or contribute to other carbon reducing activities. Customers have complete transparency to where their money goes each month, and can set themselves personalised eco goals.

Electron, London - Energy and Electricity

Current top-down energy management tools are unable to accommodate increasing renewable energy generation or distributed energy assets on the grid, resulting in costlier grid constraints and missed opportunities for consumers to use zero carbon power. Electron is creating a next generation market platform for low-carbon electricity systems and networks. It enables multiple market operators to interact with thousands of distributed energy resources and create incentives to use renewable generation and network capacity more efficiently.

Elmo, London - EV Ecosystem

elmo is a carbon neutral electric car subscription service providing flexible and affordable EV 'usership'. The platform offers fully-integrated, personal e-mobility, with insurance, maintenance, breakdown, road tax and a carbon offset donation included as standard. On top of this, elmo is the world's first MaaS (mobility-as-a-service) platform to include a home charge point, discounted renewable energy and public charging access - all wrapped into a single monthly bill.

Ember, Edinburgh, Scotland - EV Ecosystem

Ember is the world's first 100% electric intercity bus operator and is building its own ultra rapid charging network. Ember's mission is to make a zero-carbon, zero-traffic world a reality. Its tech led approach delivers an integrated platform for managing vehicles, chargers, routes and drivers - allowing them to operate EVs at a higher utilisation than anyone else. Ember's technology improves the passenger experience, supporting a modal shift away from cars and improving social inclusion.

ENSO TYRES, London - EV Ecosystem

Tyres are the automotive industry's big dirty secret, contributing enormously to carbon-emissions, air-pollution and micro-plastic pollution. Despite electric vehicles (EVs) accelerating towards a carbon-neutral future, tyres have thus far been neglected. EVs are heavier and have higher torque, wearing tyres faster and creating more harmful tyre pollution than normal cars. ENSO addresses this problem by developing more efficient, durable and sustainable tyres for EVs.

Giki Social Enterprise, London - Environmental Footprinting

The average UK carbon footprint is 9 tonnes per person per year. To help people live more sustainably, Giki's mobile app enables people to find more sustainable and healthy products in UK supermarkets. Giki Zero is an interactive, step by step guide to a sustainable life, which helps people to understand, track and reduce their environmental footprint, drive change through their own actions and set their own personal path towards net zero.

Hark, Leeds, Yorkshire - Energy and Electricity

How businesses and big buildings consume energy needs to change if we're going to hit net zero in 2050. Hark is tackling this issue by helping enterprises increase efficiency, maximise yield and reduce waste. Hark provides energy analytics and industrial IoT for enterprises, allowing Energy Managers and Asset Operators to easily connect to, monitor and control their buildings, energy meters and industrial process assets.

LettUs Grow, Bristol, South West - Agriculture and Food Systems

LettUs Grow design the farms of the future. Their aeroponic farming technology and farm management software for indoor and vertical farms delivers higher crop yields, reduces the environmental impact of agriculture and makes farmers' lives easier. The products also enable people to grow produce nearer to the point of consumption, which reduces the carbon footprint left by fresh produce.

Lixea, London - Waste Management and Circularity

Tackling the issue of unsustainable materials, Lixea's BioFlex process takes any type of woody biomass that normally would be unrecyclable and separates the components to make them usable by converting them to products, such as high-quality fine and bulk chemicals, bioplastics, renewable fibres and biofuels once again. It does this by using low-cost, environmentally friendly solvents, called liquid salts or ionic liquids.

Naked Energy, London - Energy and Electricity

Naked Energy is redefining solar energy solutions and tackling the global challenge of decarbonising heating and cooling. Their product 'Virtu' is 44% more efficient than existing solutions and takes up

40% less space. Virtu combines solar heat and power, saves the customer money and saves the planet - all within a single elegant product that is easy to install and maintain.

Petalite, Birmingham, Midlands - EV Ecosystem

Petalite wants to reinvent the electric vehicle industry by creating a charging technology that's cost efficient and more reliable. Their patented SDC charging technology lowers charger costs, increases reliability and lengthens lifetime - all whilst keeping similar efficiency to existing competition. Petalite's goal is to be a key player in the adoption of electric vehicles over the next 5 years.

Pivot Energy, Poole, South West - Buildings

Pivot has created a living building energy model designed to attract more development for eco-friendly houses in the UK's social housing sector. The platform uses machine learning and AI to generate an energy efficiency projection that is 90% + accurate. Once a project is designed, Pivot's industry-leading performance insurance guarantees the results, de-risking investment decisions.

Reath, Edinburgh, Scotland - Waste Management and Circularity

The true extent of the environmental and climatic impact of our throwaway culture is becoming worryingly clear. Reath enables businesses to break the pattern and transition away from single-use, by applying track and trace technology to solve the data problems inherent in reuse models. They are currently developing the world's first global Open Data Standard for reusable packaging.

Route Konnect, Cardiff, Wales - Smart Cities

Route Konnect makes traffic more predictable and more eco-friendly by making smarter junctions and predicting the amount of vehicles and people. By using real-time automated insights from their combined camera and LiDAR traffic sensors, they're able to produce a dashboard giving the ability to see the road network at any time during the day, enabling people to make smarter choices that avoids traffic jams and causes unnecessary pollution and burning of fossil fuels.

Sero, Cardiff, Wales - Buildings

Changing the focus of the housing industry to decarbonisation, Sero supports housing providers and their residents to reach net zero by sitting at the intersection of home comfort, construction and energy. Sero develops homes that complement changing energy systems using their energy platform, expertise, optimised design, construction and the new commissioning process of new and existing homes. This saves residents money, effort and it's more planet-friendly.

Small Robot Company, Salisbury, South West - Agriculture and Food Systems

Small Robot Company is reimagining farming to make food production sustainable. By using robotics and artificial intelligence to maximise the yield from crops, they offer a brand new model for sustainable, efficient and profitable farming called Per Plant Farming. It involves their farmbots individually caring and farming each plant. This increases yields, soil quality, biodiversity, and reduces carbon emissions and chemicals by up to 90%.

Spark EV Technology, Newmarket, East of England - EV Ecosystem

Spark EV Technology develops and supplies personalised journey prediction and map display software for electric vehicles of all sizes. By combining data (such as vehicle size, driver experience, weather predictions) with Machine Learning algorithms, it significantly improves journey prediction accuracy compared to existing vehicle systems. Their goal is to accelerate EV adoption by providing their automotive customers a trusted on board system to remove range and time anxiety for drivers.

Surple, Newport, Wales - Energy and Electricity

Surple helps businesses make smarter energy decisions through their energy management software. They pull data from buildings into their cloud-based software, which runs analytics to provide actionable insights to their users, helping them to reduce energy use, carbon emissions and ultimately their costs. Businesses in the UK have an opportunity to collectively save £6bn through energy efficiency and Surple is making this process easier to manage.

Tepeo, Maidenhead, South East - Energy and Electricity

Tepeo tackles the UK's biggest challenge to achieving it's Net Zero target: rapid and low cost decarbonisation of domestic heating. Their product combines electric resistive heating with ultra-high density dry core thermal storage (40kWh) to deliver the performance of a fossil fuel boiler without the associated emissions. In parallel, the enormous amount of flexibility it provides supports self-consumption of renewables and supports balancing of the electricity grid.

Topolytics, Edinburgh, Scotland - Waste Management and Circularity

Topolytics analyses waste at scale and generates invaluable insights for the recycling industry and waste management sector, preventing more materials from ending up in landfills or seeping out into nature. By using data science, they make the world's waste visible, verifiable and valuable. Analysing data on commercial, industrial and post-consumer waste from multiple sources and systems, they use machine learning and mapping to make sense of this complex combination of materials.

Wondrwall, Manchester, North West - Buildings

Creating intelligent homes for a sustainable future, Wondrwall is a technology company dedicated to changing the way we live and how we use energy. Combining intelligent AI powered home automation with clean energy production and super efficient heating systems, Wondrwall helps the world's homes save money, time and the environment.

Zeigo, London - Energy and Electricity

Zeigo uses machine learning to reduce the complexity surrounding renewable energy procurement, making it easier for corporations, renewable energy developers and suppliers to switch to, or offer, renewable energy solutions. It's a one-stop-shop for stakeholders to transition to clean energy through Power Purchase Agreements (PPAs) and short-term contracts. Zeigo uses data insights to increase market transparency.

Fellows

Artemis Technologies, Lisburn, Northern Ireland - Maritime

Artemis Technologies is an applied technologies spin-off from the successful America's Cup team, Artemis Racing. The company provides design and engineering services to both high-performance and commercial clients, as well as developing unique hardware and software products. They are leading a Belfast based consortium developing new hydrofoil high-speed vessels and propulsion systems.

Greyparrot, London - Waste Management and Circularity

Waste composition information is key to increase recycling/recovery rates, give quality guarantee to buyers, mitigate against risks and waste crime, and understand the carbon footprint of the products and waste we generate end-to-end. Greyparrot provides AI-powered computer vision software to increase transparency and automation in recycling. Their "Automated Waste Monitoring System" is currently deployed on moving conveyor belts in recycling facilities to analyse large waste flows.

OLIO, London - Agriculture and Food Systems

OLIO is an app that connects neighbours to give away surplus food and other household items, for free. Via their Food Waste Heroes Programme they also connect over 8,500 volunteers with local shops to collect and redistribute their unsold food at the end of the day. There are currently 2 million OLIOers who have together shared over 5 million portions of food.

Project Etopia, London - Buildings

Project Etopia combines energy, construction and intelligent technologies (Ecitech) to build the homes of the future, pioneering Eco-MMC (Modern Methods of Construction). MMC no longer refers solely to the construction method used, it is the thought process and harmonising of these three key industries that ensures the end product is not only modern today but for years to come, whilst also satisfying as many UN Sustainable Development Goals as possible to help build the Smart Eco Net Zero Cities of the Future.

Quotes

Business and Energy Secretary Alok Sharma said: "As part of our plan to reach net zero emissions by 2050, we are funding green startups and unleashing the talent and creativity of entrepreneurs across the country.

"Innovative companies like these will help us to create green jobs and build back better as we recover from the coronavirus pandemic."

Gerard Grech, Chief Executive, Tech Nation, comments: "The UK's Net Zero sector already leads Europe for VC investment, at £336mn, and is home to 323 tech companies that are working hard to reduce carbon emissions globally. Scaling such businesses can be hard, which is why we are delighted to launch a new programme focused on businesses at this stage of growth from all over the UK, especially given the impact they will have on climate change and their drive towards a net zero economy."

Zheela Qaiser, Programme Lead, Net Zero Programme, comments: “All 149 applications we received for the Net Zero programme were excellent, showcasing the richness of solutions that small teams of innovators are working on to help us make monumental changes to the way our human world and systems impact our planet. I’m so impressed with our final cohort, and am looking forward to helping them work through the unique challenges that net zero companies face.”

Anne Marie Verstraeten, UK Country Head, BNP Paribas, comments: “Supporting Net Zero in the UK requires collective mobilisation, and clean tech solutions are a vital part of accelerating the energy transition. As a bank supporting the transition to a low carbon economy, we have a responsibility to connect our ecosystem of clients and the innovative start-ups at the forefront of developing technologies that tackle environmental challenges. This partnership with Tech Nation highlights the power of coalitions that is essential to scaling up climate action and creating a fairer, greener and more resilient world.”

Mark Hodgson, Chief Business Officer, Cervest, Judge for the Net Zero programme, said: "I was hugely impressed by the high standard of submissions for Tech Nation's Net Zero Programme. These inspiring, growing companies are creating a more resilient economy and I look forward to working with them to drive the UK's Net Zero ambitions forward.”

Susannah McClintock, Investment Director, Sustainable Ventures, Judge for the Net Zero programme, said: “It is fantastic to see how these exciting UK companies are contributing to the enormous challenge of achieving net zero; the applications showed the depth of innovation and talent in start-ups and early stage working to address climate change through commercial solutions”.

Quotes from the Net Zero cohort

Revannth N Murugesan, Co-founder & CEO, Antonym “Having been through Tech Nation Rising Stars in 2019, we are very aware of the huge scope of opportunities that came our way through Tech Nation. As a company, our vision is to accelerate the UK's low carbon economy by decarbonising transportation, and we are sure by being part of the Net Zero programme, we'll be able to achieve this effectively with the support from Tech Nation.”

Jevan Nagarajah, Co-Founder & CEO, Better Dairy “We are humbled to join the many game changers who have been through Tech Nation's programmes over the years and are excited to work alongside those in this particular cohort towards building a more sustainable future.”

Jim Laidlaw, Founder & CEO, Boxergy “Boxergy are pumped to be working with the Tech Nation team. With their help we will ignite our game changing heat technology and deliver Net Zero homes of the future.”

Veera Johnson, Co-Founder, Circulor “We are super excited to be joining this prestigious programme and have the opportunity to work with and learn from leaders and experts in the sustainability and net zero impact communities.”

Chris Pateman-Jones, CEO, Connected Kerb “The Net Zero programme has come at a pivotal time for the UK, as action to fight climate change must be taken now. The private sector has a significant

role to play and fast-growth, innovative companies are crucial to shaking things up. We are incredibly excited to be involved in the programme alongside like-minded companies and individuals who want to get the UK moving towards a sustainable future."

Safia Qureshi, Founder & CEO CupClub "In partnership with Tech Nation, CupClub plans to scale its reuse system to make zero waste a reality for consumers, brands and retailers UK wide."

Oliver Bolton, CEO, Earthly "We're excited to join a community of like-minded projects and mentors to share, learn and collaborate on ways we can fast-track our collective progress to Net Zero and beyond."

Elliot Coad, Co-Founder, Ecologi "Green tech comes with its own challenges; it's such a great opportunity to work together on these and push through. With climate matters, time is of the essence!"

Jo-Jo Hubbard, CEO, Electron "We are excited to be part of Tech Nation's first Net Zero cohort, to meet the other pioneers in this space and about the focus that these key issues that need to be tackled are finally receiving."

Oliver Jones, Co-Founder, elmo "The elmo team is thrilled to be part of the inaugural Net Zero cohort. It's fantastic recognition for our efforts so far in helping the UK decarbonise through our carbon neutral electric car subscription; but more importantly, for the scale our solution offers to produce a meaningful impact on transport emissions. We can't wait to get started and tap into Tech Nation's expertise and network!"

Keith Bradbury, Co-Founder, Ember Core "We're at a pivotal moment in the global transition to net zero, and being part of a focused initiative that helps drive this ambition forward is a real privilege. This topic needs to be on everyone's radar so having the weight of Tech Nation behind it will hopefully raise the issue and accelerate tech-led solutions to solving the problem."

G Erlendsson, Co-Founder, ENSO "The ENSO team is super excited to be part of Net Zero, allowing us to showcase how better tyres can improve EVs, while reducing air pollution in our cities, and micro plastic pollution in our oceans."

Jo Hand, Co-Founder, Giki Social Enterprise "Being part of the first ever Net Zero cohort gives us the most amazing opportunity to help many more people build their personal path towards net zero. Working together is the only way we will solve the climate crisis, so joining Tech Nation to be part of the next generation of companies, built to help solve one of the biggest challenges humanity faces, is a real privilege."

Jordan Appleson, CEO, Hark "We are excited about the potential to build on and around areas we may not have considered, as well as applications of our tech we may have overlooked. Ultimately, we want to surround ourselves with smart, talented and innovative people. This programme focuses on core elements of Hark's mission and that is exciting!"

Charlie Guy, Co-Founder & CEO, LettUS Grow "What drew us to Net Zero is the way we see our

values reflected. We think business needs to play a pivotal role in the fight against climate change. Sustainability in business must be celebrated and embraced, not seen as a sacrifice. By making the most environmentally friendly option better and more efficient than its non-sustainable counterparts, we can drive adoption & tackle these issues faster."

Krisztina Kovacs-Schreiner, Commercial Director, Lixea "Lixea is honoured to have been included in the inaugural Net Zero Programme. It is a wonderful opportunity to learn from experienced entrepreneurs in order to help achieve our goals of strengthening our team, constructing our pilot plant and attracting further investment"

Christophe Williams, Co-Founder & CEO, Naked Energy "Our core mission is to help decarbonise the built environment and it's why we developed the world's highest energy density solar technology that produces both heat and power. With half of all global energy use going on heating and cooling buildings, we hope that Tech Nation can help us continue our mission to help businesses and communities around the world take a significant leap towards net-zero."

Leigh Purnell, Founder & CEO, Petalite "Being selected for Tech Nation's pioneering Net Zero program is a validation of Petalite's unique technology for electric car charging. We are hoping to forge partnerships to trial our technology in early 2021."

Tim Meanock, CEO, Pivot Energy "To be part of an ecosystem and network where all parties are seeking to break down barriers to energy efficiency at scale is genuinely exciting and the perfect backdrop for true innovation. Pivot accommodates and encourages a systemic solution, with multiple technologies and revenue models working together in partnership to be most effective. The Net Zero Programme supports and delivers this."

Mohamed Binesmael, CEO & Co-Founder, Route Konnect "Building relationships and forming connections is key to unlocking opportunities for all involved. Without talking, we do not get the opportunity to get to the heart of what bothers people. We're most excited about the opportunity to connect with a wider network and begin the talking process."

Emily Rogers, Co-Founder, Reath "We agree that the tech sector has a vital role to play in tackling the climate crisis. The collaborative tools Reath are building will enable companies to integrate and reuse data effectively into their own systems. The opportunities for impact are endless. Data builds a foundation on which to make informed and innovative decisions, many of which resonate for decades."

James Williams, Co-founder & MD, Sero "We're excited to interact with companies building solutions to the climate crisis and learn from the companies that have created great solutions in other industries."

Ben Scott-Robinson, Co-Founder, Small Robot Company "We have a vision that robot-grown arable crops can be carbon positive. That is, storing more carbon in the soil than it uses to produce the crop. We're now moving from prototype to commercial product: a critical juncture in our journey. Scaling with a like-minded, elite cohort - guided with expert advice - will be invaluable to get to the next stage successfully. This could be game-changing."

Justin Ott, CEO, Spark EV Technology “It means a lot that Spark has been selected by global experts across sustainability from the well renowned Tech Nation. We are looking forward to gaining insights from the mentors and cohort to build relations across the electrification space. Accessing government support and raising our profile is important to getting known and scaling the company.”

Peter Allan, CEO & Founder, Surple “I'm excited to be part of a cohort that is both inspiring and making change for the better. We really have to think differently to get to net zero and I'm glad to be involved in a group of startups that are at the forefront of thinking differently.”

Johan du Plessis, Founder & CEO, tepeo “We're so proud that our tech has been recognised as having the potential to revolutionise heating. We look forward to being inspired by Tech Nation’s impressive network of entrepreneurial talent and sharing our experiences and learnings with other pioneers of the net zero transition.”

Michael Groves, Founder & CEO, Topolytics “I love being an entrepreneur. Creating value from scratch - there is nothing better. While it does have its challenges, recognition from a credible organisation like Tech Nation is important. Having access to the network of skills and experience through the Net Zero Programme is vital nourishment!”

Daniel Burton, CEO and Founder, Wondrwall, comments: “The size and scale of the challenge ahead in our journey to net zero will require not only technological innovation, but progressive public policy and innovative commercial solutions. At Wondrwall, we always favour taking a collaborative approach amongst all stakeholder groups and strategic partners and we are most excited by the fact that Tech Nation's Net Zero programme shares those values.”

Juan Pablo Cerda, CEO, Zeigo “Being recognised by Tech Nation as a valuable solution to achieving net zero is a great achievement. We will look forward to evolving Zeigo with the support of the Tech Nation community to advance our commitment to creating a more sustainable future.”

Net Zero Cohort Fellows

Dr. Iain Percy OBE, CEO, Artemis Technologies “We estimate that our eFoiler technology will prevent 77 million m3 of CO2 emissions by 2026, and look forward to networking with, and learning from, like minded companies helping to deliver against the UK's ambitious plans to be carbon neutral by 2050.”

Mikela Druckman, Co-founder & CEO, Greyparrot “We are excited to learn from the programme and knowledge-share with fellow entrepreneurs on how our solutions can contribute to reducing global emissions.”

Tessa Clarke, Co-Founder & CEO, OLIO “More than ever the world needs businesses that are focused on solving the problems of the 99%, not the 1%. With regards to the climate crisis in particular, we really don't have much time left, and so joining Net Zero will really help accelerate our collective impact through championing the innovator upstarts that are prepared to call out the status quo and build something better.”

Joseph Daniels, Founder & CEO, Project Etopia "To be recognised in the first ever Net Zero programme is a huge accolade for us at Etopia as we strive for Net Zero in all aspects of our business. We are inspired to see that Net Zero is becoming extremely prominent in so many different industries, as it is such a huge necessity to building a more sustainable planet. We can't wait to collaborate with others fighting the green fight!"

Notes to the Editor

Net Zero 1.0 Cohort Data
57% of companies headquartered outside of London
Average Funding: £1,361,969.5, 13% have raised more than £3m
70% of companies want to expand internationally in the next 12 months
96% of companies offer B2B services
37% of companies offer B2C services
30% of companies offer B2B2C services

Regional Breakdown
South East - 3%
London - 43%
Wales - 10%
Scotland - 13%
Yorkshire - 7%
North West - 3%
Midlands - 3%
East of England - 3%
South West - 13%

Over 9 sectors are represented across varying industries
Energy and Electricity - 23%
Electric Vehicle Ecosystem - 23%
Sustainable Buildings - 13%
Waste Management and Circularity - 13%
Agriculture and Food Systems - 10%
Environmental Footprinting - 7%
Smart Cities - 3%
Supply Chain - 3%
Offsetting - 3%

Where do they want to expand internationally?
United States, Germany, France, The Netherlands, Canada

Programme judges
Dr Ben Caldecott, Director, Oxford Sustainable Finance Programme
Helen Clarkson, CEO, Climate Group

Katie Mills, Head of Innovation UK, Schneider Electric
Azeem Azhar, Founder, Exponential View
Christina Karapataki, Investor, Breakthrough Energy Ventures
Beverley Gower-Jones, Managing Partner, Clean growth Fund
Michael Langguth, CBO, Poq
Tom Adeyoola, NED, Verco
Pippa Gawley, Founder & Director, Zero Carbon Capital
Mahima Sukhdec, Director of Methods, Xynteo
Cansu Deniz Bayrak, Head of Fundraising, Bethnal Green Ventures
Hayden Wood, Co-founder & CEO, Bulb
Jaffrey Eneberi, Co-founder & CEO, Sustainable Seaweed
Dominic Falcão, Director, Deep Science Ventures
Naveed Choudry, Head of Climate, KIC Accelerator
Nick Lyth, CEO, Green Angel Syndicate LTD,
Jeffrey Beyer, Principal Consultant, Carbon Limiting Technologies
Peter Karney, Head of Product Innovation, Digital Catapult
Christopher Kaminker, Head of Sustainable Investment Research & Strategy, Lombard Odier
Erica Purvis, Founder, Technical NAture
Jon Coker, Founding Partner, EKA Ventures
Matia Wibowo, Investment Manager, ClearlySo
Joe Bond, Principal, PROFounders Capital
Celia Francis, Ex-CEO, Rated People
Chris Turner, Executive Director, B Lab UK
Susannah McClintock, Investment Director, Sustainable Ventures
Maria Wagner, Investment Director, Beringea