

Tech Nation welcomes 32 revolutionary climate tech companies to its second Net Zero programme

For the first time, space tech is emerging as a key focus area in the race to net zero

- 32 climate tech companies from across the UK have been accepted into the second iteration of Tech Nation's Net Zero programme - Europe's first programme dedicated to supporting the UK's most promising climate tech companies
- The UK is leading the way for climate tech in Europe, with 519 climate tech companies in total - a 60% increase on its 323 climate tech companies last year
- The companies joining Net Zero 2.0 are revolutionising the UK's approach to combating climate change across industries
- The cohort includes a company creating carbon zero and carbon negative concrete blocks ([Sphera](#)), a clean energy company which allows you to partly own a wind farm ([Ripple Energy](#)), and a company creating an all electric, zero emission delivery system, creating underground tunnels revolutionising the way we transport goods ([Magway](#))
- Carbon removal is an emerging sector this year. [Carbon Infinity](#) are developing modular direct air capture (DAC) technology, which will remove carbon dioxide from the air in the atmosphere, while [Supercritical](#) are building the UK's first marketplace of carbon removal projects for tech companies
- For the first time, space tech is emerging as a key focus area in the race to zero. [Earth Blox](#) are using satellite imaging technology to identify unsustainable activities, [Sylvera](#), are a carbon offset ratings provider, and [Satellite Vu](#), monitors the thermal footprint of buildings using satellite technology

15th September 2021: [Tech Nation](#), the UK's leading growth platform for tech scaleups, today announces the 32 climate tech companies who have been accepted into Net Zero 2.0 - the second iteration of the Net Zero programme.

Net Zero 2.0 is the first government-backed programme designed to support the most promising climate tech companies to accelerate the UK's path to net zero. This year's successful companies were assessed by 40 judges across key industries. These included climate specialists, investors and senior representatives from companies such as Google, National Grid, Sky Ocean, Bulb and B Corp, including Hayden Wood, CEO and Founder at Bulb, Azeem Azhar, Founder of the Exponential View, and Pippa Gawley, Founder & Director of Zero Carbon Capital.

Companies were judged based on their scalability and potential to help the UK reach its high-priority net zero goal. The chosen companies are actively decarbonising key sectors across energy and electricity, transport, buildings and cities, and agriculture. Carbon removals and space-tech are two emerging focus areas this year in the race to zero.

With 40% of emissions reductions reliant on technologies not yet at mass-market scale, it is imperative to support the growth of these companies¹. In the run-up to COP26, the Net Zero programme aims to help realise these vital tech companies' potential to drastically reduce global emissions. Every company in Net Zero 2.0 will be given unparalleled access to long-term investment opportunities, education, talent, exposure and a platform with which to influence green policies and create the optimum conditions for growth.

The UK leads the way in Europe for its number of climate tech companies

New data from Tech Nation and Dealroom has revealed there are 519 Net Zero startups and scaleups in the UK, nearly double the number than in France (270) and 63% more than in Germany (318).

With its Net Zero 1.0 cohort and new Net Zero 2.0 cohort, Tech Nation has now supported the growth of 13% of the UK's climate tech companies in total, who are leading the race to net zero and disrupting the status quo.

41% of the companies in the Net Zero 2.0 cohort have at least one female founder and 63% are headquartered outside of London.

Space tech is gaining momentum in the race to net zero

For the first time, Net Zero is welcoming space tech companies into the programme. Satellite imaging is a way of observing large areas from space to rapidly identify illegal activities (deforestation, mining), monitor supply chains, and verify nature-based solutions (such as carbon offsetting). This type of technology is gaining traction rapidly as countries across the world look for innovative ways to combat climate change and as multinationals seek to achieve their recently set net zero goals.

Edinburgh-based [Earth Blox](#) is using satellite data to identify deforestation or mining activities and monitor supply chains and support nature-based solutions, while London-based [Sylvera](#) is the world's first carbon offset ratings provider, using machine learning and satellite data to verify the carbon offsetting industry. London-based [Satellite Vu](#) is the world's first satellite constellation capable of measuring the thermal footprint of any building on the planet every 1-2 hours, helping to drastically increase the energy efficiency of buildings, factories and power stations around the world.

The emergence of carbon removals and offsetting

While the majority of the Net Zero 2.0 companies are helping to reduce carbon emissions, companies in this year's cohort are also using carbon capture technologies and other forms of carbon removal to physically remove greenhouse gases from the atmosphere.

[Carbon Infinity](#) is creating cost effective and modular direct air capture (DAC) technology, which removes carbon dioxide directly from the air, while [Supercritical](#) are accelerating the growth and prominence of the carbon removals sector, by building the UK's first marketplace of carbon removal projects for tech companies. Alongside this, [Bx Earth](#) is focused on carbon removal through carbon

¹ IEA July 2020: <https://www.iea.org/reports/clean-energy-innovation>

sequestration in soil. The company is connecting food growers who can store carbon in the soil with corporations looking for verified carbon offsets, simultaneously incentivising growers to practice climate-smart agriculture.

At such an early stage in tech, carbon removal, particularly DAC, will require a huge amount of funding and investment to reach its full potential, and this is a need the Net Zero growth programme is aiming to facilitate.

The number of B2C climate tech companies is growing

Another trend in these up-and-coming climate tech businesses is their increased availability to consumers as well as businesses. Over a third (11) of the companies in Net Zero 2.0 offer services to consumers.

Leeds-based [Tred](#) is the UK's first sustainable challenger bank measuring the carbon intensity of its customers' purchases, making it easy for customers to track, reduce and offset their carbon footprint. Within the energy sector, London-based [Ripple](#) enables people (and businesses) to partially own large-scale wind farms and have the green electricity they produce supplied to them via the grid, while [Solivus](#) enables consumers to generate their own local, green energy through new solar technology. Within the washing sector, South East-based, [Oxwash](#) are the first truly sustainable 'Space Age' laundry company in the world. Their aim is for zero net carbon emissions throughout the whole laundry process.

Empowering all of these climate tech scaleups is at the core of Tech Nation's mission. Tech Nation is also proud to be a founding member of the [Tech Zero Taskforce](#), whose Tech Zero Pledge has recently reached 150 signatories, and have committed to reducing and measuring their own carbon emissions - as well as publishing these in an annual Sustainability Report.

Tech Nation is pleased to announce that BNPP will be returning as headline partner for Net Zero. We also welcome Sage as our programme partner for this year's Net Zero programme.

Quotes

Sammy Fry, Net Zero Lead at Tech Nation, said: "With Europe recording its highest ever temperature on record this Summer, and the latest IPCC report published last month, there isn't a more urgent time to take climate action. Every successful climate tech company is another step towards decarbonising the world. I'm proud to say that in the run up to COP26, our pioneering Net Zero growth programme gives these revolutionary, high-impact scale-ups the access they need to investors, insights, education, networks and practical support, enabling the UK to lead our transition to a green economy as quickly as possible."

Gerard Grech, Founding CEO of Tech Nation and Founding Member of the Tech Zero Taskforce, said: "Climate tech is playing an enormous role in reducing carbon emissions. Technology that helps reduce greenhouse gas emissions, either directly or indirectly, across all sectors of society is in hot demand. But with 40% of emissions reductions reliant on technologies not yet at mass-market scale,

there is huge potential still to be realised. With these companies needing to scale further and faster than any other technology has before to meet the demand, we are committed to doing all we can at Tech Nation to support and accelerate the growth of the UK's climate tech scaleups."

Andrew Griffith MP, UK Net Zero Business Champion, said: "Reaching net zero emissions is not only a global priority; it is essential for the UK's future prosperity and competitiveness. Supporting climate tech companies to grow and encouraging all businesses to join the UN's Race to Zero is core to our government's ambitions, and we are excited to continue empowering the climate tech scaleups who are working to create a greener future for us all."

Anne Marie Verstraeten, BNP Paribas UK Country Head, comments: "Driving innovation towards the net zero transition requires a new scale of knowledge sharing, engagement across sectors and critically financial sector mobilisation. During this important year of climate action with COP26 in the UK, through the launch of Net Zero 2.0, we are looking forward to collaborating with these leading start-ups on accelerating the transition to a greener economy"

Paul Struthers, Managing Director, UKI, Sage, said: "To tackle the climate crisis and protect the planet, we are taking action to address our own environmental impact and supporting SMBs to make it easier for them to do the same. Partnering with Tech Nation on its latest Net Zero programme allows us to support a generation of high growth tech businesses that will not only innovate to tackle the climate crisis, but also provide UK SMBs – who see sustainability as a big priority – with solutions to reduce their own carbon emissions."

End

Notes to the editor:

Full list of Net Zero 2.0 companies:

[ACT Blade](#) - Edinburgh - Energy tech

ACT Blade's vision is to produce the next generation of wind turbine blades for a net-zero future. The company is developing a lightweight and modular blade using sustainable and cost-effective processes and materials capable of delivering a step-change increase in energy production and reduction in costs.

[Ambue](#) - Oxford - PropTech

Ambue gives people information and advice to use energy more efficiently in their homes, by creating a unique Digital Twin of each home which is used to analyse the energy use and automatically generate technical documents, so that contractors can carry out the work. Our users save energy, which means they save money, put less carbon dioxide into the atmosphere, and help combat global warming.

[Better Origin](#) - Cambridge - Agritech & foodtech

Better Origin develops and operates insect bioconversion solutions that allow farmers and food producers to turn food and agricultural wastes into valuable nutrients through insects. The

company's goal is to democratise access to insect farming so that any farmer can access insect waste repurposing possibilities, in turn helping reduce the footprint of agriculture.

[Bx Earth](#) - London - Agritech & foodtech

Bx Technologies fuses technology with nature to transform how we grow food. The company is breaking new ground to digitalise and change the way we produce food through Software as a Service (SaaS) operational tools on farms and creating a market incentive to change practices. Two products tackle the supply and demand of independently verified, data backed, fully transparent carbon offsets and ecosystem service provision from food production; LOOOP & Earth Exchange.

[Carbon Infinity](#) - London - Carbon removal & offsetting

Carbon Infinity is developing a cost-effective, modular technology called direct air capture (DAC), removing carbon dioxide directly from the air in the atmosphere. Advanced carbon-capture sorbent material and module design, combined with waste heat or renewable energy and water, can be used to form the building blocks of the industrial economy; whether non-petrochemicals, plastics, synthetic fuels for aviation or shipping, and atmospheric carbon-enriched products (concrete, carbon nanotubes). Carbon Infinity is initially focused on facilitating the de-fossilisation of hard-to-decarbonise sectors.

[CATAGEN](#) - Belfast - Transport tech

CATAGEN is a clean air data company providing emissions testing services to the world's leading car and motorcycle brands. It uses a proprietary toolset to help these brands meet or exceed global emissions standards. Using this knowledge and data, CATAGEN is developing PED, a new product which mines the unique data and uses models to create a software technology platform to inform individuals about their emissions footprint to create behaviour change.

[Electric Assisted Vehicles Limited](#) - Oxford - Transport tech

EAV is the leading provider of last-mile transport solutions specifically designed for our evolving urban environments - making them zero-emission, low cost, reliable and future-proof.

[EMSOL](#) - London - Transport tech

EMSOL deploys leading-edge air pollution monitoring in conjunction with state-of-the-art, real-time vehicle tracking technology. By intelligently combining these datasets, EMSOL can, with unparalleled accuracy levels, identify exactly the who, what, where and when of pollution. This allows EMSOL customers to evolve from passive 'observers' into proactive climate heroes and achieve their net-zero goals.

[Gardin](#) - Oxford - Agritech & foodtech

Gardin's remote sensing technology aims to empower food producers by monitoring and delivering insights on plant health versus the growth environment to reduce waste and make growing food more sustainable. Gardin's full-stack solution is engineered to measure plant crop physiological traits such as photosynthetic activity, biotic and abiotic stress and nutritional density. It will also drive correlations between the physiology of the plants/crops and the growth environment so producers can make meaningful interventions exactly when needed.

[Magway](#) - London - Supply chain & transport tech

Magway is an all-electric, zero-emissions, low-footprint, high-capacity delivery system. It has the capacity to take up to 90% of online delivery vehicles off our roads, drastically reducing congestion, pollution and the carbon footprint of shopping online. Magway can deliver the equivalent of 20,000 40ft container loads through each 1m diameter pipe per week, giving people what they want, when they want it, efficiently and sustainably.

[measurable.energy](#) - Reading - Energy tech

measurable.energy's platform aims to eliminate all wasted energy and greenhouse gas (GHG) emissions from buildings, automatically and without any extra burden to occupants. The m.e platform focuses on Small Power, sometimes known as Plug Load power, which can account for up to 40% of a commercial buildings' energy consumption and has no useful management system. The platform is designed to fit into this management gap, reducing total energy costs and GHG emissions by up to 50%, providing around a 4-year payback, and boosting occupant sustainability behaviour.

[Miralis Data](#) - Lancaster - Transport tech

Miralis Data develops products that support the transition to zero-carbon vehicles and make companies more productive and efficient through better use of their vehicle fleets and the goods that travel on them. Miralis' main product is Fuuse, an electric vehicle charge point management platform that enables organisations to deliver more for their drivers, minimise operational costs and create new revenues.

[Oxwash](#) - Oxford - Wash tech

Oxwash offers sustainable, on-demand laundry and dry cleaning services to both B2B and B2C market segments. Oxwash is a tech company at heart, with an in-house team of developers building a scalable solution to power the international laundry revolution.

[Paua Tech](#) - London - Transport tech

Paua makes public electric vehicle charging a simple experience with a mobile app for drivers to find, charge and pay for charging through aggregating chargepoint providers and drivers. Businesses are supported with a centralised billing function and a fleet managers dashboard.

[PowerMarket](#) - Oxford - Energy tech

PowerMarket is digitalising and consolidating the entire life-cycle for enterprise solar assets, saving customers over 90% of their time and resources by providing an alternative solution to the current management which is riddled with long, expensive, fragmented and manually driven processes and software tools.

[Qualis Flow](#) - London - Proptech

Qflow enables developers and construction teams to better manage their materials and waste. Using a unique combination of Artificial Intelligence and machine learning, Qflow automates the digitisation of material tickets and waste transfer notes as they enter construction sites, independent of supply chain systems. Qflow provides direct access to critical information on site, ensuring quality and safety of products.

[Earth Blox](#) - Edinburgh - Environmental monitoring

Earth Blox is a code-free, cloud-based, Lego-like SaaS that allows up-skilling of global teams in planetary scale satellite intelligence. Users can DIY their own Earth Observation Solutions using Earth Blox's modular blocks to rapidly identify illegal activities like deforestation and mining, monitor a supply chain, manage post-disaster recovery and support nature-based solutions. Earth Blox enables anyone, anywhere to customise their own satellite intelligence to exactly suit their needs.

[Ripple](#) - London - Energy tech

Ripple enables people and businesses to part-own large scale wind farms and have the low cost, green electricity they produce supplied to them via the grid through utility partners. Ripple is the UK's first clean energy ownership platform, making fractional wind farm ownership and supply simple and affordable. The mission is to make clean energy ownership affordable and accessible to everyone.

[Satellite Vu](#) - London - Proptech

Satellite Vu will monitor the temperature of any structure on the planet in near real-time to determine valuable insights into economic activity, energy efficiency and carbon footprint. The high-resolution infrared dataset will enable better business decisions and accelerate our journey to net zero. Satellite Vu brings a new category of satellite data to solve our global challenges.

[Solar Polar](#) - Peterborough - Energy tech

Solar Polar has developed solar cooling that delivers the cheapest Watt of cooling. The system is designed to be manufactured in the developing world and provides cooling for refrigeration and air-conditioning without any electricity or gas, using only natural refrigerants.

[Solivus](#) - Westerham - Energy tech

Solivus' mission is to enable mega-buildings, homes and communities to lower their carbon footprint and generate their own local green energy through a suite of solar solutions. The company uses new organic thin-film solar technology to design products that are opening up vast new markets previously unavailable to traditional solar, both in the UK and internationally. Solivus makes a positive difference by creating truly sustainable, clean energy products, made using the latest innovations in renewable energy. One of Solivus' solar fabrics, which is manufactured by Heliatek, won the 2020 Innovation Award at the World Energy Summit.

[Sourceful](#) - Manchester - Supply chain

Sourceful is an end-to-end sourcing and supply chain platform focused on sustainability. With Sourceful, businesses can source, configure and design sustainable packaging from a network of vetted suppliers and automate their inventory replenishment. They can also leverage Sourceful's proprietary life cycle assessment tool to understand the impact of product decisions in real-time and offset their carbon footprint to achieve net zero.

[Sphera](#) - Durham - Proptech

Sphera is an award-winning speciality materials start-up focusing on low carbon, next generation construction material alternatives for the race to Net Zero. Their products include the world's first carbon zero and carbon negative concrete blocks, and admixtures to accelerate concrete curing rate

and decrease cement content. These innovations help to simultaneously tackle climate change and plastic pollution.

[Spherics Technology](#) - Bristol - Carbon calculation

Spherics is a cloud-based platform to help businesses measure, mitigate and manage their climate impact. The system integrates with established software packages and tracks and visualises the client's carbon footprint in near real-time. It then makes custom suggestions on how to reduce the impact by matching company data trends with climate science research, to offset any unavoidable carbon emissions.

[Sunswap](#) - London - Transport tech

Sunswap is developing hardware and software to accelerate the decarbonisation of transport refrigeration. Sunswap's battery- and solar-powered transport refrigeration unit (TRU) replaces dirty and loosely regulated diesel incumbents currently used by supermarkets and other refrigerated fleet operators.

[Supercritical](#) - London - Carbon removal and offsetting

Supercritical help businesses get to net zero by measuring their carbon footprint and selling them high quality carbon removal offsets.

[Sylvera](#) - London - Carbon Removals and Offsetting

Sylvera considers itself the equivalent of Moody's credit ratings for carbon offsets. The company uses machine learning and satellite data to rate nature based offset projects. The market reference data produced is being adopted by the biggest buyers, traders and exchanges.

[The Tyre Collective](#) - London - Transport tech

The Tyre Collective is a cleantech company building innovative solutions to save our air from tyre wear. Tyre wear is the second-largest microplastic pollutant in our oceans and a stealthy source of air PM pollution. The company is spearheading the capture and monitoring of tyre wear, accelerating the shift towards zero-emission mobility.

[Tred](#) - Leeds - Fintech

Tred is a consumer fintech whose mission is to make money work for people and the planet. Its first product is the UK's first green debit card that lets users track, reduce and offset their carbon footprint as they spend, and plants trees with profits. The company will soon be launching more products, like green investing and a sustainable marketplace, to help people turn more of their money green.

[Unicorn Biotechnologies](#) - Cambridge - Biotech and Life Sciences

Unicorn Biotechnologies is developing a fully automated manufacturing platform to enable cellular agriculture producers to seamlessly scale products from the lab bench to supermarket shelves. The full stack platform combines hardware, software and analytics to completely automate cellular agriculture manufacturing, reducing costs and increasing product quality. By providing a clear path to take cellular agriculture products to industrial scales, the company aims to drive the transition to animal free agriculture.

[Xampla](#) - Cambridge - Biotech and Life Sciences

Xampla makes a replacement for specific microplastics and single use film packaging, targeting three launch applications with a patented, next generation material: plant protein. Xampla aims to become one of a handful of biobased majors by 2040, supplying plant-protein and other related materials to the major plastics customers.

[ZUoS](#) - Edinburgh - Energy tech

ZUoS is an energy services platform to plan and operate a decarbonised energy system. ZUoS provides the ability to predict, schedule and control flexible demand at the local level in homes and businesses. By focusing locally, ZUoS provides visibility and control enabling more renewables, low carbon heating and EV charging to be installed within each community.

Founder quotes:

Sabrina Malpede, Donald MacVicar, and Alessandro Rosiello, Founders of ACT Blade Ltd, said: “We are delighted to have been selected by Tech Nation and are looking forward to starting the Net Zero 2.0 program. At ACT Blade, we develop more efficient and sustainable wind turbine blades to directly contribute to the net-zero race.”

Hamish McMichael and Daniel Tipping, Founders of Ambue, said: “The Ambue team are delighted to have been selected to join the Tech Nation Net-Zero 2.0 cohort. With the climate emergency now firmly lodged in the public consciousness and politicians committing to long term goals to reduce emissions to stabilize global warming to 1.5 degrees – it makes so much sense to address one of the biggest culprits for our emissions – domestic heating. What is significant is that tackling emissions from our homes is a win – win situation, as it not only reduces emissions but also saves consumers money and makes their homes warmer and more comfortable.

“We are optimistic that UK Government policy will continue to incentivize domestic retrofits – and Ambue is perfectly poised to help all homeowners and tenants get the information and advice they need, to upgrade and retrofit their homes. We can all play our part in reducing emissions, and with new government strategies being launched, alongside the COP26 conference in November, now is the perfect time to help homeowners on their journey to net-zero, without costing the earth.”

Fotis Fotiadis and Miha Pipan, Founders of Better Origin, said: “We are thrilled to be part of the Tech Nation Net Zero 2.0 cohort. Coming together with like minded start-ups to fight climate change is exactly what the industry needs. We can’t wait to see what comes out of such an experience.”

Antony Yousefian and Ben Bardsley, Founders of Bx Technologies Limited, said: “With the UK hosting COP26 and red alert for humanity for the IPCC, Tech Nation’s Net Zero 2.0 has never been more important. Climate-Change can’t be solved with one solution, it is going to require an ecosystem of innovators, investors and collaborations. Bx is excited and proud to be part of this group who want to make a difference.”

David Izikowitz and Jia Li, Founders of Carbon Infinity, said: “We’re extremely excited to join the prestigious Tech Nation community as a member of the second Net-Zero programme. We look forward to leveraging the programme and collaborating with the high-impact climate startups in the

cohort to move the needle on carbon emission reduction and removal, and support the UK in truly achieving net zero."

Andrew Woods and Roy Douglas, Founders of CATAGEN, said: "The CATAGEN team is delighted to have been selected to join the Technation Net Zero 2.0 cohort. This is further endorsement of our commitment to 'clean and decarbonise the air'. We have provided patented emissions testing technology to leading automotive OEMs since 2010 and developed significant expertise in this sector. We can now scale the business further with new innovative products which could significantly disrupt the market and drive down global emissions. We look forward to working with the Technation Net Zero 2.0 team and the other teams on the cohort to continue our pledge to Net Zero emissions."

Freddie Talberg, Founder of EMSOL, said: "EMSOL are delighted to have been selected by Tech Nation to join their Net Zero programme. With COP26 on the horizon it couldn't come at a better time as it offers EMSOL a fantastic opportunity to be part of the net-zero community and gain additional exposure for our approach to enabling transport pollution reduction."

Sumanta Talukdar, Founder of Gardin, said: "On behalf of the Gardin team, we are very excited to have been invited to be part of NetZero 2.0 and in such excellent company too! As we know, the challenges facing our society are hard and need innovation on multiple levels of sector, ecosystem and technologies. It's great to be recognised as part of the forefront of innovative companies addressing this global need."

Rupert Cruise and Phillip Davies, Founders of Magway, said: "Sustainability is at the heart of everything that we do at Magway. A massive collaborative effort is needed to address the environmental crisis threatening our planet and our very existence. Business as usual is not an option. The impact required will only come from innovation, new technology, imagination and willingness. Magway couldn't be more excited to be *Delivering Good(s)* and play our part by joining Tech Nation to make meaningful change."

Dan Williams and Josh Eadie, Founders of measurable energy, said: "Being accepted onto the Technation Net Zero 2.0 programme feels like a true 'stake in the ground' moment. It means we've been recognised by those who know what's going on with sustainability and technology and makes our team feel like we're on the right track. We're in the process of scaling up and already feel the 'turbo boost' that this programme can offer us to identify and eliminate wasted energy from buildings everywhere."

Michael Gibson and Dr William Maden, Founders of Miralis Data, said: "We've seen significant growth over the last 12 months and the future looks very promising. The Net Zero 2.0 programme will be an important next stage of development. As part of our commitment to reduce emissions in transport, we're keen to learn and share with our peers to help accelerate our shared vision for a more sustainable future and continue to grow and scale the company."

Kyle Grant and Tom de Wilton, Founders of Oxwash Ltd, said: "Oxwash is over the moon to join the Net Zero 2.0 programme. On the surface, we are often perceived as simply a laundry company, so it

is fantastic for Tech Nation to recognise that we are a tech company at heart and that it is our software which will unlock sustainability in the laundry industry across the globe."

Niall Riddell, André Pinho, and Amelia Riddell, Founders of Paua Tech, said: "Paua believes technology can enable zero emissions transport to be easier and better than the old ways. Our electric fuel card based on a fully digital solution takes on the incumbents and enables more businesses to adopt electric vehicles. We are delighted to be part of the Net Zero 2.0 cohort so we can showcase how our technology can support decarbonisation of the economy."

Jain Abhinav and Phil Worthington, Founders of PowerMarket, said: "We are so excited to be joining forces with the UK's most exciting and innovative tech companies, making bold commitments to tackle climate change; and to be joining a community that is actively working towards accelerating net zero emissions."

Brittany Harris and Jade Cohen, Founders of Qualis Flow, said: "We are very excited to joining TechNation's Net Zero program and to be working alongside such great high impact companies."

Genevieve Patenaude, Sam Fleming, and Iain Woodhouse, Founders of Earth Blox, said: "Our home, the Earth, is changing fast... Everyone needs to see those changes and act rapidly. Tech Nation will help Earth Blox in its mission to give everyone the power to analyse and quantify those changes at planetary scale."

Sarrah Merrick, Founder of Ripple, said: "We are thrilled to have been chosen to take part in Net Zero 2.0. Our mission at Ripple is to make green energy ownership affordable and accessible for everyone everywhere. We are building the UK's first consumer owned wind turbines and believe that by allowing people to actually own their own source of clean, green electricity to power their homes and businesses is a big step towards the transformative change required to take positive action on climate change. We are excited to be part of this unique group of innovative businesses helping to accelerate the UK's progress to net zero and help consumers make greener choices."

Anthony Baker, Tobias Reinicke, and Simon Tucker, Founders of Satellite Vu, said: "The team at Satellite Vu are thrilled to be selected for the Tech Zero NZ 2.0 cohort, we look forward to building and scaling solutions to address the global net zero challenge."

Robert Edwards and Michael Reid, Founders of Solar Polar, said: "Solar Polar's company mission is to produce low-cost solar cooling. This technology has the potential both to transform the world's air-conditioning market and to reduce food and crop wastage in developing countries. We're very excited about the opportunity of working with Net Zero 2.0."

Joanna Parker Swift, Founder of Solivus Limited, said: "The Solivus team and I are honoured to join Tech Nation's Net Zero Programme. Similarly to Tech Nation, we believe climate-tech start-ups will play an essential role in tackling the climate crisis. Together we can accelerate the UK's goal to drive down global emissions and move towards Net Zero as quickly as possible. This aligns perfectly with our overall mission; our solutions are purpose-built to enable businesses and infrastructure to transition towards Net Zero through the application of innovative thin film solar technology."

“As we are a new clean energy technology provider, we are particularly delighted to be part of such a well-respected Net Zero programme. The Solivus team is exceptionally passionate about making a positive difference to the environment by creating truly sustainable, clean energy products for a fast, evolving market. We use ultra-lightweight solar fabric that has been designed for both the residential and commercial sectors; in time, the ambition is to make this technology more widely available throughout the world.”

Shiran Zeng, Wing Chan, and Mary Wang, Founders of Sourceful, said: “We are thrilled that Sourceful has been selected to join the Tech Nation Net Zero 2.0 cohort. Climate is at the heart of our mission at Sourceful, as we strive to help businesses minimise the environmental impact of their supply chains by enabling them to source and manage eco-friendly products. We are looking forward to building connections with the wider community of mission-driven businesses and engaging in Tech Nation's curated programme.”

Natasha Boulding, Phil Buckley, and Scott Bush, Founders of Sphera, said: “We are so excited to have been selected for Tech Nation Net Zero 2.0! Net Zero must be a collective effort and we can't wait to meet the other businesses who are dedicated to making it happen.”

George Sandilands, Ciaran Wood, and Mike Chatziapostolou, Founders of Spherics Technology, said: “We're really excited to join the Tech Nation Net Zero 2.0 program to elevate our efforts in tackling the climate crisis.”

Michael Lowe, Andrew Sucis, and Nikolai Tauber, Founders of Sunswap Ltd, said: “Sunswap are striving for a net zero future by facilitating the decarbonisation of refrigerated logistics. We are delighted to be part of Tech Nation's Net Zero 2.0 cohort, the programme will accelerate our growth and allow us to collaborate with other like-minded businesses. With customer deployments starting in early 2022, the programme comes at the perfect time to support our scale-up.”

Michelle You and Aaron Randall, Founders of Supercritical, said: “Most businesses understand that the only way to prevent a climate emergency involves meaningful action from the private sector. The problem today is not a lack of commitment, but a lack of trusted resources in an industry full of complexity, jargon and greenwashing. Our mission is to make it possible for any business to start the journey to net zero, through high-impact carbon removal offsets. We're really excited to be joining the Net Zero 2.0 programme, working alongside other fast-growth tech companies to accelerate our collective progress to net zero. We need many more great companies working on this problem. Climate action can't just be the reserve of the world's biggest companies, and this is a crisis that can't wait.”

Hanson Cheng, Hugo Richardson, Siobhan Anderson, and Deepak Mallya, Founders of The Tyre Collective, said: “We're really excited to be joining the Net Zero 2.0 programme, working alongside other fast-growth tech companies to accelerate our collective progress to net zero. We need many more great companies working on this problem. Climate action can't just be the reserve of the world's biggest companies, and this is a crisis that can't wait.”

Will Smith and Peter Kirby, Founders of Tred, said: “We're thrilled to have been selected for the TechNation Net Zero programme, alongside such inspiring businesses. Our ambition has always been

to get Tred's green debit card and app in as many people's hands as possible – because the more of us fighting climate change, the better. Participating in the programme will be a big help in our journey to scale Tred, and shrink our users' carbon footprints. We're looking forward to getting stuck in!"

Jack Reid and Adam Glen, Founders of Unicorn Biotechnologies Ltd, said: "Creating and scaling tangibly impactful sustainability solutions is one of the greatest challenges, and opportunities, of our time. Joining the Net Zero program is the ideal next step on our journey to accelerate our growth, scale our solutions and to drive the transition to animal free agriculture."

Marc Rodríguez Garcia and Simon Hombersley, Founders of Xampla, said: "It's really exciting to be part of such a dynamic and driven program, which aligns fantastically with our drive here at Xampla to help address environmental challenges through the effective scaling of breakthrough technology."

Alex Schlicke, David Shields, Jim O'Donnell, and Rosie McGlynn, Founders of ZUoS Ltd, said: "We're delighted to be selected for Net Zero 2.0, and can't wait to collaborate in scaling our ZUoS smart energy services platform. I'm sure the expertise across the cohort and Tech Nation's growth platform will help us achieve our goals, and hope we can help others to accelerate our collective progress to net zero. We've not a moment to lose!"

Net Zero 2.0 Key Stats:

No. of companies	32
Avg no. of employees	11
Avg funding	£1,800,000
Total funding	£28,364,000

Sectors - by number of companies

Energy and Electricity - 7
Transport - 6
Building and Cities - 4
Agriculture - 3
Carbon removal and offsetting - 3
Supply chain - 2
Biotech and life sciences - 2
Smart cities - 1
Washing - 1
Carbon calculation - 1
Finance - 1
Environmental monitoring - 1

About Tech Nation's Net Zero growth programme:

Net Zero is a six-month, free growth programme for early-stage tech scaleups that are creating a more sustainable future. We run masterclasses, insight sessions and peer to peer networking events for our fast-growth, sustainable cohorts. Find out more [here](#).

About Tech Nation:

Tech Nation is the leading UK scaleup accelerator. Tech Nation fuels the growth of game-changing founders, leaders, and scaling companies so they can positively transform societies and economies. We provide them with the coaching, content, and community they need for their journey in designing the future. Tech Nation has years of experience facilitating and helping UK tech companies scale, both at home and abroad. Over 30 cohorts and 900 companies have successfully graduated from Tech Nation's growth programmes. Alumni include Skyscanner, Darktrace, and Monzo, as well as 3 of the UK's 7 new 'decacorns'; Revolut, Wise, and Farfetch. You can find out more about Tech Nation's net zero commitments [here](#), and see the full Sustainability Report [here](#).

About Tech Zero:

Tech Zero is the climate action group for tech companies of all sizes committed to fighting the climate crisis. We believe that by joining forces, we can make faster progress to net zero. Companies can sign up by visiting techzero.technation.io.