

Competition Code: 2009_WOMENININNOVATION_R3

Total available funding is £2,000,000 + OPEX 5%

Note: These proposals have succeeded in the assessment stage of this competition. All are subject to grant offer and conditions being met.

Participant organisation names	Project title	Proposed project costs	Proposed project grant
TAPSOS LTD	Digital inclusion. An accessible 999	£50,000	£50,000

My name is Becca Hume, founder of TapSOS; a technology company designing digital communication tools for reporting to 999\.

Our TapSOS app, initially designed for Deaf and Hard of Hearing, provides a non-verbal tool for creating alerts to Police, Fire & Rescue, Ambulance and Coastguard.

In addition to our mainstream app, we are building the first digital tool for victims of Domestic Abuse for discreet reporting when calling 999 isn't safe. This was is in response to the increased risk and significant rise of levels of Domestic Abuse as a result of COVID-19\.

TapSOS technology is meant for everyone. We have an opportunity to develop specialised service design to enhance a user's experience when interacting with 999\.

In particular we will develop our technology to address categorised needs such as, Physical, Developmental, Behavioural/Emotional and Sensory.



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BLUESHIFT EDUCATION	BlueShift Classroom: live online instruction with embedded analytics	£50,000	£50,000

I am Heather Lyons, the founder and owner of BlueShift Education. We empower children aged 8 to 18 to be digital creators by teaching them coding and digital skills. We want to encourage a wide range of students to create with code and digital tech, and in the process, help fill the growing skills gap.

I started BlueShift in 2014 with an emphasis on motivating and engaging students through live instruction. The company was started with me teaching 10 children around my kitchen table. I am a mother myself and have a background in UX design, coding and education.

We have taken over 6000 bookings for our clubs and camps since 2016 and work with 20 schools across London. In March 2020, as a response to COVID, we moved all of our teaching online. In the following six months we taught 840 students online.

Whilst our move online proved the potential of online instruction, it also exposed a number of pain points with respect to existing tools. Younger students, aged 7 to 11 specifically, were often limited by digital literacy skills and struggled to juggle between a coding environment and a video conferencing tool as well as access learning materials. Tutors, on the other hand, teaching without the usual physical cues of a classroom, at times, lacked the feedback they needed to achieve the best learning outcomes.

In response to 1500+ pieces of feedback we've gathered from students, parents and teachers, we have built a prototype and proof of concept for BlueShift Classroom. This tool uses a browser-based extension for live sessions so that students no longer have to juggle between multiple windows and applications. The teacher dashboard provides a view into student engagement and activity, helping teachers to deliver better outcomes.

We hope to use the financial part of the award to build an MVP for BlueShift Classroom. The non-financial portion of the award will be vital to helping us scale up our overall online offer and reach more students, as well as helping me to upskill and lead more effectively. The proposal for BlueShift Classroom is research-based and unlike tools currently available on the market.



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SOLE SENSE LTD	SoleSense Prototype Development	£49,999	£49,999

Stroke affects one in four people globally and is a leading cause of disability. 1.2 million people are affected by stroke in the UK, and 100,000 new strokes occur each year. The annual aggregate cost to society is over twenty five billions pounds and is set to increase with a rising ageing population.

Access to specialist rehabilitation is paramount for achieving a good recovery. Learning how to balance and walk again is a primary focus of rehabilitation and requires significant therapist resource. Intensive input is needed in the early stages but this can be difficult to deliver in the current health care climate. Performing independent exercise to supplement therapy time is important for achieving optimal recovery.

SoleSense is a company developing simple technology that can facilitate independent exercise in fun and engaging ways. Pressure sensing insoles in the shoe give real-time feedback about weight distribution and symmetry in visual and auditory form using a digital app. This allows the user to improve performance at all times, as they can be worn throughout the day.

SoleSense acts as a digital rehabilitation platform. Games, performance feedback, progress analysis, and goal setting motivates independent exercise. It can be tailored to individual ability and used collaboratively with therapists, making it safe and easy to use at all stages of the rehabilitation pathway.

The device is designed to support therapists as well as patients. It can be used during therapy time to assist rehabilitation and can provide objective measurement of quality of movement for the first time. The ability to monitor activity levels remotely and track changes in function makes it an ideal tool for management of long term conditions.

It is hoped that simple technology can support people to maintain their physical ability over time, embedding self-management early in the rehabilitation pathway. The product will grow to include bespoke applications for different health conditions.



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IWARRANTY LIMITED	iWarranty	£212,620	£50,679

Project description - provided by applicants
?iWarranty is developing a cloud-based solution to eliminate the existing paper-based warranties and manual claim processes and make warranty consumer-friendly, eco-friendly and sustainable. The focus of iWarranty's innovation is in the application of existing and expanding technological development in Artificial Intelligence (AI) and Machine Learning (ML) to create process efficiencies for manufacturers and seamlessly easy warranty claim process for consumers. iWarranty's mission is to reduce electronic waste by encouraging consumers to repair and reuse rather than replace items.

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CECENCE LIMITED	Sustainable Aero Interiors Collection	£52,629	£49,998

My vision is for Cecence to offer a sustainable collection of aerospace interiors 'ecocence', that will provide an eco friendly alternative to current interior products which use materials containing high embodied carbon levels.

Having established a position in lightweight seat backs for aerospace interiors using carbon fibre and REACH compliant phenolic resin systems we have focused new and continuing development on sustainable composite materials.

This project will develop these ideas further using hemp, flax, and recycled carbon with bio resins, into a range of furniture for economy and business class aerospace interiors. The range will focus on elements which are highly visible to the customer and as such will reinforce the eco friendly message of the airline.

An additional focus on the development of sustainable aerospace in-flight carry on items will enable the company to expand to B2C clients in addition to our current B2B base.



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WALK WITH PATH LIMITED	Path Feel - a smart AI insole for personalisation of care in chronic conditions and the elderly	£50,000	£50,000

I'm a dedicated and passionate innovator. I successfully launched a company, Walk With Path, in 2014, with a medical device, Path Finder, that is on the market in Europe, Canada and Australia. Our second medical device, Path Feel, is in R&D supported by a team of 13\. I have a range of experience, from finance at JP Morgan, Advertising at AOL and business development within the life sciences for the Danish Embassy in London. The multitude of experience I have gained throughout these roles combined with my degrees in Human Biology (BSc) and Innovation design Engineering (MA/MSc) from King's College London, Royal College of Art and Imperial College London, has equipped me with the skills to develop and launch products. Path Finder was brought to the market in 2017 and is currently reimbursed by European healthcare systems, whilst Path Feel is in pipeline, currently with a clinical study underway by Manchester Metropolitan University.

Walk With Path innovates mobility aids for people with chronic conditions, e.g. Parkinson's disease, multiple sclerosis and diabetes. These populations and the general elderly often have reduced sensation in their feet which leads to instability and falls. This has a huge impact on quality of life (QOL) and the spend of healthcare providers, such as the NHS (£2.3 billion/year on falls alone). Additionally, half of fallers will no longer live independently, contributing further costs.

Our project will develop and commercialise our smart insole, Path Feel. The insole responds to pressure applied and provides vibrational feedback to the user to help them 'feel the floor' and achieve balance in real-time. Embedded sensors gather data on walking that is used for diagnostics, personalised medicine and remote patient monitoring. By the end of the project we will have a beta-product on the market and will be developing the machine learning functions for a version 2 release.

There are currently no devices like this on the market. Patients use canes and frames which are bulky and can carry a social stigma. We aim to deliver an invisible and intuitive user-centred solution that increases people's QOL and independence whilst reducing healthcare costs. Technologically comparable solutions include insoles with sensors, however, none of these offer the therapeutic benefits of haptic feedback. The haptics is the most important feature for many end users, as it provides them better mobility for every step, and it will also assist in ensuring compliance over existing 'passive' solutions.



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MBASO LTD	Creating equal opportunities, needed by a new wave of entrepreneurs, through app automation innovation	£49,936	£49,936

This project seeks to enable those without jobs to easily and affordably earn a living from home. SupaPass already helped entrepreneurs increase their revenue by over 250% during lockdown.

With rising unemployment, there is an emergence of new entrepreneurs. This project ambitiously seeks to reduce the price-point for starting a state-of-the-art content app and website platform by over 10X so anyone can launch their own, irrespective of socio-economic status, creating equal opportunities to build their business.

There are thousands of businesses in the UK (millions globally) who could benefit from this project.

The project innovation, which aims to automate and optimise the heavily manual first stages of the process of onboarding clients, is addressing a significant blocker for the rapid deployment end of the app development sector; an industry-wide challenge. Resolving these technical challenges will drive state-of-the-art in this space.

Providing essential tools to fuel economic growth across thousands of businesses needing to transition online, particularly now due to the long term impact of the pandemic, it has considerable potential to significantly enhance productivity and economic growth for those businesses, both in the UK and globally.

To compete, businesses need better tech. With the proliferation of Netflix, social media platforms, Apple and other online apps and sites, consumers have come to expect the highest standards. But smaller businesses just cannot compete; the technology required to provide that quality of experience is simply far too expensive for small businesses. Thus they depend on third party services where it is not their brand, they cannot monetise or are losing a share of their revenue, and are not in control of the relationship with their customers or data.

The apps have been called "a game-changer" by existing clients, e.g. Dr John Park earned £50,000 within the first week from his eLearning apps, thanks to the SupaPass technology which created a completely new revenue stream for his business, not possible via other platforms.

This innovation would give small businesses an affordable way to compete online with cutting-edge user-experience and to generate new revenue streams.

This innovation will enable SupaPass to rapidly on-board thousands of clients, generating millions in annual recurring revenue. Delivering good value for money, it would very quickly deliver an ROI of over 10X, creation of jobs, and significant economic impact. Strong proven KPIs and tested sales process have demonstrated a clear route-to-market as soon as the project is completed.

Funders Panel Date: 16/12/2020

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REBECCA PAGE LIMITED	Building a Sustainable Labour Movement to Empower Women in Local Communities	£49,999	£49,999

I am an entrepreneur and mother of three, whose start-up is disrupting the traditional, underserved sewing industry. I am passionate about moving away from fast fashion to a sustainable future, and empowering women to become micro-entrepreneurs. My idea will bring change, inspiration, and economic opportunities, while answering the ever louder need for an alternative to wasteful, mass-produced clothing.

My business, Rebecca Page Ltd ("RP"), was founded in 2018\. RP creates and sells a range of easy, inclusive-size sewing patterns. I built RP from my kitchen table to a team of over 30 in 11 countries. RP's founders, management team, board and investors are almost all female. For our RP team, working from home is the norm. We have created a highly engaged, dynamic community using online platforms in the spirit of mutual support and celebrating innovation.

High street fashion and sewing patterns cater for a narrow range of standard sizes. However, 67% of women are size 14+, so few women find or make clothes that fit properly. Nor does standard sizing accommodate a large variety of body shapes. RP solves this problem with software that creates bespoke, personalised sewing patterns.

The fast fashion industry is wasteful, environmentally disastrous, and impersonal. Women today want clothes that are well-made, well-fitting, and unique. People from millennials to retirees love to create, share ideas and upcycle. RP gives women access to gorgeous fabrics, educational videos, and a diverse community of fellow "makers".

My idea. I want to offer the experience of well-made, well-fitting, bespoke garments to women who do not sew themselves -- while empowering those who do sew to develop their own micro-businesses. I want to build a marketplace that will match local micro-entrepreneurs with local consumers.

The women who purchase a bespoke item will benefit from its long-lasting quality, cohesiveness with the rest of their wardrobe, uniqueness and conscious choice; while supporting a local network of creative and craftswomen.

Helping women to build a sustainable income from their homes, that can accommodate the demands of family, the COVID economy and other challenges, will transform the lives of a huge community of makers. Their skills and creativity will benefit consumers and others in their local area.

My idea will reduce reliance on fast-fashion, encourage recycling, and support local industry. It offers a strong solution to fashion industry problems, such as supply chain waste and landfill disposal of barely used garments.



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TALENT INTUITION LIMITED	Flow of female engineering talent in the UK	£49,952	£49,952

This application is to develop a working model that analyses the flow of female engineering talent in the UK. Success in this competition will enable us to build and scale an additional module to Stratigens, that will not only help businesses better attract, recruit and retain female engineering talent, but will also inform government and skills council on the size of the skills gap, how this will change and the ability to model options to address the gap to increase female representation in engineering roles in the UK.

This application will also allow the project lead, Alison Ettridge, to further develop her skills to scale the business and Stratigens proposition by 150% by the end of Q1 2022\.

This application will help to bridge the gap between big data that is already available through the Stratigens platform, industry and government by connecting an Innovate UK scale up business with government bodies, networks, skills councils and industry leaders to the benefit of all parties and to meet the common goal of increasing gender diversity in STEM so the UK can benefit by XYZ



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STEPHENSON LAW LIMITED	Project Puffin	£49,722	£49,722

Alice is the Founder & CEO of Stephenson Law, a UK law firm which is doing things differently. Founded in 2017, their unique, human-centric approach has resulted in an impressive client roster and significant growth which shows no sign of slowing down.

As a junior lawyer, Alice struggled to find her place in the legal industry. She was ambitious, creative and reluctant to fall in line with the archaic views and traditional ways of working the industry had to offer. Gender inequality is prevalent in the industry and she was frustrated by the barriers preventing her advancement. So she decided to pave her own path and build a law firm that embraces individuality, creativity and allows people to fulfil their potential.

Stephenson Law is an agile, meritocracy which stands out against the male-dominated, lumbering, beige, glass-ceiling-filled corporates. Tackling each stereotype head-on, Alice is on a mission to build a forward-thinking, innovative law firm which puts people at the heart of everything it does.

Alice and her team specialise in working with fast-growth, entrepreneurial businesses. They often see how a failure to get legal advice in the very early stages presents problems further down the line, which are more expensive and time-consuming to fix than addressing the problem correctly at the outset.

Entrepreneurs have a number of legal questions that they don't know the answer to. When you're starting a business, making informed decisions is critical to mitigating risk. However, for a number of reasons, founders are reluctant to approach a law firm, so they typically resort to using Google or asking their peers, where they are presented with a wealth of conflicting and unreliable answers. There is a gap that exists between using a search engine or 'crowdsourcing' advice and the provision of legal advice by regulated law firms.

Alice is seeking to close that gap by identifying and tackling the barriers that exist between lawyers and those that need legal advice. The legal industry is in desperate need of innovation and Alice and her team are uniquely placed to drive such innovation.



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FARM.INK LTD	Learn.ink - building for scale	£65,554	£49,821

Georgia Barrie is the CEO of Bristol-based social enterprise Farm.ink. Farm.ink has been developing award-winning mobile services for small-scale farmers for over four years, winning Nesta's Fall Armyworm Tech Prize, the CGIAR Big Data Inspire Challenge and the IDEO.org Amplify Challenge. In 2018 Georgia represented innovative British technology companies as a member of Prime Minister May's Trade Delegation to Africa.

Building on years of experience in the digital learning sector, in May 2020 Georgia alongside her co-founder, Adam Wills, launched Learn.ink. Learn.ink provides organisations, from NGOs to SMEs, with a fast, affordable digital training platform that is optimised for rural, hard-to-reach populations. Learn.ink turns static training content into fun, engaging, conversational learning experiences: integrating games and challenges alongside social forums. To date Learn.ink has learners in over 20 countries across sub-Saharan Africa and Asia, with training content ranging from COVID-19 awareness to the safe use of pesticides.

In 2021 Learn.ink plans to add a number of cutting-edge features, including machine translation and speech to text, to enable partner organisations to quickly and cost-effectively deploy digital training across languages, geographies and income segments. This project will unlock a crucial route to scale for Learn.ink at a pivotal time in the platform's development.



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CEDECO CONTRACTORS LIMITED	When the wind blows: making the most of opportunities to achieve repeatable and profitable sales	£50,000	£2,254

Jacqueline Morrison, Cedeco Contractors Ltd, is leading the development of a mechanical alternative to grout, in response to an innovation competition held by ScottishPower Renewables (SPR), a competition which Cedeco ultimately won. Jacqueline, having secured both IUK SMART and OWGP funding is leading a number of feasibility studies while working in collaboration with Atkins Ltd, SPR and the Offshore Renewable Energy Catapult (OREC). Jacqueline is also a finalist of the Investing Women awards 2019, 2020\.

The solution under development is a mechanical gripper to replace grout within the jacket foundations of an offshore wind turbine. While grout has been the go-to for offshore foundations wind is presenting new challenges. The Cedeco solution cuts the time and cost of installation for wind developers by removing the need for grout and having less people and vessels required at sea. The solution supports net Zero ambitions and at the end of life offers a high grade material for recycling.

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PLASTIC@BAY CIC	Affordable Ocean Plastic Recycling	£47,868	£47,868

My name is Joan, I am a founding member of Plastic@Bay, a community interest company based in NW Scotland. Our objectives are to remove plastic pollution from our beaches, and to research innovative ways to recycle and reuse marine plastic. Hundreds of tonnes of plastic pollution from the ocean washes up on the shores of the Scotland every year. Removing, sorting and cleaning this ocean plastic is costly.

We are building cheap low tech plastic processing machines to compensate for the price of sorting and cleaning ocean plastic, with the aim of making non-load bearing construction material at a competitive price. Our vision is to design Local Ocean Plastic Recycling Facility (LOPRF) that can be situated in harbours and rural coastal communities across the UK, and be capable of recycling ocean plastic onsite. The advantage of LOPRF is that they increase economic security in rural communities by tapping a local source of material, and provide local employment, and training opportunities for young people.

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TRIBOSONICS LTD	Revolutionising Sensing as a Service for industry towards a more sustainable future	£49,994	£49,994

- **ME:** An innovator and leader, my career started in engineering defence and has continued for the last 20 years in innovation. I am an award-winning mechanical engineering graduate with an MBA from Leeds University, STEM Ambassador and champion of Women in Technology. As Chief Commercial Officer I build innovation partnerships with large corporates to scale our technology and deploy a unique commercial framework where value is shared equitably.
- **THE BUSINESS:** Tribosonics is based in Sheffield and uses unique sensing technologies to generate data, enabling digitisation to create value and enhance sustainability. It does this by addressing wear, friction and lubrication in components and systems in global industrial markets. A scale-up technology business, and disrupter, recently venture capital-backed to accelerate growth; it will double in size in 3 years.
- **THE PROBLEM:** Industry needs the tools to reduce emissions, better utilise energy and drive operational efficiencies. Such tools would include access to advanced sensor technologies to bridge the gap between the physical and digital worlds to create data that can drive digital transformation. Digital transformation is a time-consuming and resource-intensive process that is often beset by challenges in implementation. Many of Tribosonics large corporate customers have lost the ability to innovate effectively, and there is a real gap in digital transformation, both in terms of technology and in terms of business models and commercial frameworks.
- **INNOVATION:** I will innovate a commercial business model that will enable large industrials to access our innovative technology via an equally innovative commercial framework and thus drive emission reductions and energy savings. I will do this by developing "Sensing as a Service" in the industrial sector. I want to be first to market with an innovation that enables and facilitates access to value-creating and sustainability enhancing data on a tiered service model/Capex free basis rather than via traditional development intensive and Capex heavy solutions.
- **IDEA:** I will build a portable, technical demonstrator showing end to end capability (asset to sensor to performance data via a cloud platform and advance analytics) with an overlaid Sensing as a Service framework to monetise the data that is derived and to provide customer access to various levels of data on a tiered subscription model. Offshore wind will be the first market to test this out in; the equipment and model will be modular and in follow on work will be applied to numerous other energy-intensive industrial markets.

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HAPPYR LTD	Happyr Health: Personalised psychotherapy for children in pain	£49,819	£49,819

Millions of children worldwide suffer from recurring or chronic pain. In many cases, specialists and scientists have no explanation for the underlying cause. Hence, families are left to an exhaustive trial and error process to find relief for their children. Happyr Health is developing digital solutions to combat the emotional and social challenges that young chronic pain patients face. Using evidence-based psychotherapy techniques, elements from mobile gaming and storytelling, and applying artificial intelligence, Happyr Health aims to provide personalised support for children.

I am Nicola, co-founder of Happyr Health, and suffer from migraine, the second leading cause for years lived with disability, since age 4\. Building on my health challenges, I am envisioning a future where children learn how to deal with chronic pain early on. Not only, to spare them from exacerbating pain, but also to enable them to prosper mentally and socially, which will improve their quality of life in the long-term.

The objective of this award is to research and develop the artificial intelligence algorithm that can provide children with the therapy approach that fits their challenges. As the final output of the project, we will have developed an app, informed by patients, parents, and professionals, which we will be ready to be tested in the efficacy study we are preparing. At the same time, the Women in Innovation Award will allow me as a female founder to receive support from experts to disseminate our innovation, establish new partnerships with healthcare institutions, and develop a sustainable business model. All of this will guide us towards our goal of reducing children's suffering from chronic pain worldwide.

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LatchAid Ltd	LatchAid: Modernising Breastfeeding and Early Parenthood Support using 3D Interactive and AI Technology	£50,000	£50,000

I came to the UK from China in 2002 to study Computer Science. With minimal English and personal networks, I overcame extraordinary challenges and established a celebrated career in Science & Technology. Highlights include:

- * **world-class PhD/Postdoctoral research & publications** in Computer Graphics, Visualisation, and Animation
- * **developing Computer-Aid-Design, 3D Visualisation technology/software** for sustainability and performance analysis of landmark buildings including Heathrow Terminal 5\.
- * **developing cutting-edge Photorealistic Rendering technology/software** benefitted interior/product/architectural designers worldwide.
- * fulfilling my lifetime dream of **creating breathtaking Visual Effects for feature films** including _Gravity, Blade Runners 2049_, winning **Oscar/BAFTA awards for Best Visual Effects**.

My life course then changed completely after I experienced tremendous breastfeeding challenges. My struggles are sadly common: the UK has _the worst_ breastfeeding rate globally; 90% women give up breastfeeding before they want to, due to lack of health professional support(57%), pain, health issues(55.8%), and feeling of isolation/depression(46.1%). My experience drove me to found LatchAid and use my expertise in technology to revolutionise breastfeeding support.

LatchAid is a tech start-up, developing the world's only breastfeeding support app that provides:

- * **cutting-edge 3D/AR interactive technology** to help women interactively/immersively learn breastfeeding skills
- * **Al-powered virtual breastfeeding support groups** enabling users to access high-quality peer-to-peer/professional support 24/7
- * **Al-powered, personalised virtual supporter/companion** (with customisable personas/characteristics), able to intelligently identify the user's needs and provide bespoke breastfeeding/early-parenthood support

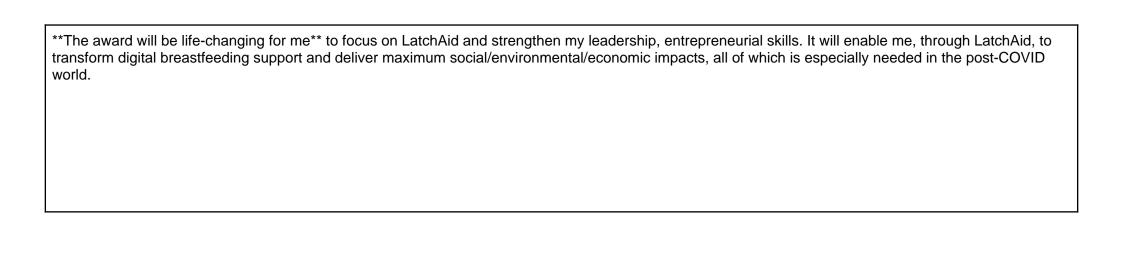
Through this award, I will focus on expanding/enhancing our R&D in these game-changing areas, launching LatchAid on the AppStore, and building partnerships with healthcare organisations to deliver personalised, accessible, 24/7 digital breastfeeding support/education/communities at scale.

Since founded in 2018, LatchAid has:

- * raised £100,000+ competitive awards/grants from funders including Innovate UK and EU to accelerate app R&D.
- * expanded to a core team-of-5, a contracting team-of-30+ across 4 continents, and a multidisciplinary team of advisors, partners, and volunteers.
- * attracted Beta users across 6 continents, commending LatchAid app as a much-needed, revolutionary innovation.
- * built strong networks of connections with breastfeeding/healthcare organisations and experts nationally/internationally

The next 12-months will see the most exciting/critical development for LatchAid, with the app launch, B2C (UK/global) market expansion, B2B partnership building, and investment raising, when the injected funding/support will add the most value to LatchAid's growth and impacts.

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Participant organisation names	Project title	Proposed project costs	Proposed project grant
PENTAIL ENZYMES LIMITED	A drug screening platform to assess effect of genetic variation on liver enzyme activity	£49,920	£49,920

I am a Sri Lankan-born bioinformatics/machine learning scientist at the University of Cambridge and one of two co-founders of Pentail Enzymes Ltd, a Cambridge-based biotech startup developing tools and products to enable precision medicine for underrepresented populations. I was driven to set up this interdisciplinary enterprise with my co-founder Dr. Paulo Amaral (a molecular geneticist) in 2018 to address the current lack of ethnic genetic diversity in commercially available cell line products used for drug safety and efficacy testing, and of clinical trial participants which means there are limited pharmacogenomic insights for Black and Minority Ethnic (BAME) populations to benefit from precision medicine. If ethnic minority groups are not appropriately represented and results derived from a different genetic background to them are used to inform their treatments, this might not be as personalised and be potentially harmful.

The goal of this project is to assess the feasibility of developing an integrated technology platform to generate high-value pharmacogenomics insights to inform clinical trial stratification and improve treatment options for underrepresented populations.

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Competition Code: 2009_WOMENININNOVATION_R3

Total available funding is £2,000,000 + OPEX 5%

Note: These proposals have succeeded in the assessment stage of this competition. All are subject to grant offer and conditions being met.

Participant organisation names	Project title	Proposed project costs	Proposed project grant
SO TO COMPANY LTD	Reducing Injury through Innovative Cot Bed Design	£50,000	£50,000

Karekot is an innovative new nursery product that blends safety, functionallity and style in a unique, multi-functional design. Karekot is a fresh take on traditional cot design that has safety at its heart, but is equally concerned with aesthetics. Karekot easily changes between cot and toddler bed providing parents and children with a protective and user-friendly sleeping environment that will last throughout a child's formative years. Patent granted in five countries and with a pre-production prototype complete, we are ready to progress to the next stage of finalising design and taking Karekot to market.

I'm Katharine Paterson, and what qualifies me primarily to do this job is that I am a Mum. A Mum who experienced difficulties with her baby in her traditional wooden-barred cot. My baby would regularly get her arms and legs stuck in the cot bars, or she would bump herself on the solid surfaces. Alarmed at her potential for injury, I bought cot bumpers thinking that they would protect her, but I was horrified to read the small print which referred to a danger of strangulation or suffocation, clearly not good enough for any baby, never mind my own! So this is what set me off on my mission to create a cot bed which has systematically designed out all the hazards I, and countless other parents face. Although driven by a desire to protect my baby, I have subsequently come to understand that its not just babies who injure themselves. Due to changes in the cotbed regulations, most cotbed manufacturers do not make cotbeds with drop sides, leading to potential injury to adult backs as they lift heavy toddlers in and out of the bottom of their cots.

My ambition for Karekot to provide peace of mind to parents at what is a highly emotional and exhausting time. I do not think that in the 21st Century we should be be faced with babies injuring themselves in their safe places, equally, their parents should not be subject to potential injury either. Karekot's unique features and innovative drop side mechanism will hopefully go some way to substantially reducing such unnecessary injuries. I'm excited about the future and cannot wait to see Karekot on the market!



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Participant organisation names	Project title	Proposed project costs	Proposed project grant
GATI AUTOMATA LIMITED	Real time out of stock substitute finder for online shopping	£50,000	£50,000

Originally a qualified accountant, I started my career with Citi Bank and later moved to Financial Advisory at KPMG before gaining 10+ years of experience in retail marketing platforms. I am passionate about women entrepreneurship and innovation.

Online shopping is growing at an unprecedented rate, with the number of digital buyers continuing to climb up every year. In 2019, an estimated 1.92 billion people purchased goods or services online across the globe. According to Adobe's analysis COVID 19 accelerated this behaviour and now shoppers buy for even essential supplies online. Online purchases of common staples increased upto 60%; the virus protection category of products such as hand sanitisers, gloves, masks and antibacterial sprays have surged by 817%. The typical out of stock level averages around 10% for online retailers, but during the pandemic the unprecedented demand of goods, travel restrictions and closure of factories led to supply chain disruptions and out of stock levels were at historic high of upto 40%.

According to eConsultancy, although intense stockpiling has reduced in recent months, logistical and fulfilment issues led to shortages in stock for all major retailers. This shortage resulted in consumers visiting multiple stores both online and offline to find all the products they were looking for.

[][0] Shopper.com aims to enhance its back in stock notification feature with a machine learning classifier that gives a list of available substitute products. Out of stock notifications and related products information is available with few major retailers including Amazon. However, the proposed system can ensure the discovery of same or substitute products from the same retailer or other online retailers ensuring shoppers complete the shopping online.

[][0] Shopper.com is a fast-growing startup based in Birmingham. Shopper.com[][0] is already helping thousands of shoppers in discovering products and deals thus improving their online shopping experiences. Shopper.com[][0] is developing an innovative system by proving key technologies and incorporating them to its current platform. Areas of research and development include use of machine learning, advanced data processing and event processing which is at the leading edge of R&D in eCommerce systems. Shopper.com[][0]'s project aims to develop state-of-the-art machine learning processes to support eCommerce infrastructure. It will allow online shoppers to have a better shopping experience encouraging them to shop from home thus providing a safer sail through the crisis.

[0]: http://Shopper.com



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Participant organisation names	Project title	Proposed project costs	Proposed project grant
NAVALMARTIN LTD	"MIR" - Marine Inspection by Remote	£50,000	£0

"The project intends to radically disrupt the insurer/owner/surveyor relationship by developing a mobile app: **"MIR"** (**M**arine **I**nspection by **R**emote). MIR offers a cloud-based, harmonised condition assessment, underpinned by AI-supported database of risk and failure modes.

By reducing travel needs and lengthening life of vessel the project can bring significant environmental impact. Built-in educational component of the app will open the labour market to new talent, promoting inclusion of women in this male-dominated profession."

- Dr Daria Cabai, yacht designer and naval architect from Navalmartin - ship design and marine consultancy

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Participant organisation names	Project title	Proposed project costs	Proposed project grant
KATIE JANE DIGITAL LTD	Game-changing bra design positions UK as a global leader in health innovation with a solution to a problem affecting 90% of women	£49,996	£49,996

This project, led by an award-winning woman with considerable experience in innovation and a champion for gender-equality, seeks to bring to market a revolutionary new bra to meet the needs of millions of women worldwide suffering with breast asymmetry. The winning combination of the innovative idea, the ambitious business strategy and the talented role model at the helm, has the potential to increase UK jobs and economic growth and to position the UK as a global market leader in this neglected health sector.

Breast asymmetry, where there is a noticeable difference in the shape and size of the breasts, is said to affect up to 90% of women. Multiple studies have shown the damaging effects this can have on a woman's self-esteem, mental health, physical comfort and quality of life and researchers repeatedly stress that this is more than just a cosmetic issue.

Despite this, breast reconstruction for non-oncological breast asymmetry is not routinely funded by the NHS (Queen Victoria Hospital, 2017) and millions of women are left to find and fund their own solutions. A recent press release by Breast Cancer Now reports that since the pandemic oncological breast reconstruction surgeries are also being cancelled or severely delayed. Currently, the only real solution is either expensive privately-funded surgery or non-adjustable and largely ineffective breast prostheses with poorly designed pocketed bras.

At a time when women have less disposable income, with women being more than twice as likely as men to have lost their job due to the pandemic (University of Exeter, 2020), this affordable innovative bra gives women a viable and effective alternative. The bra features self-adjustable cup volumes which can comfortably and effectively support the wearer's smaller breast, create a symmetrical appearance and alleviate the significant psychological distress and physical discomfort experienced by millions of women worldwide.

A significant amount of R&D has already been undertaken by the business, part-funded by ERDF, and with the support of this award the applicant will be positioned to successfully launch the product and finally reach the women who sorely need it. The female founder, who was recently named as one of the most influential people in digital and tech by BIMA100, is an inspiring role model and with the platform afforded by this award will be able to encourage more British women into innovation, engineering and entrepreneurship compounding the positive outcomes of this project on the UK economy exponentially.



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Participant organisation names	Project title	Proposed project costs	Proposed project grant
HEAD SET STUDIO LIMITED	Project Set Your Head	£50,000	£50,000

My journey to becoming a business innovator started unconventionally in 2011, during the Arab Spring. I was a journalist covering the civil war in Libya when my cameraman, and husband, Oliver Sarbil, was hit by a rocket-propelled grenade. Despite having had hostile environment training, I froze and couldn't remember what to do. Remarkably, Olivier survived, but I suffered post-traumatic stress for years, linked to my body's response at that moment and a feeling of helplessness.

This set me on a new path, demanding an overhaul of the approach the media takes to safety training and better access to mental and emotional support for those who risk their lives doing dangerous work.

Two years ago, I co-founded Head Set along with fellow foreign correspondent, Aela Callan. We're building an immersive learning ecosystem that shows people how to stay safe with a strong mindset. Our mission is to use VR and other immersive technologies to build a more resilient generation of journalists, humanitarian workers and first responders.

Hostile environments are everywhere for journalists. They no longer need to travel to a war zone to be on the front line. Arrests, physical assaults, public denigration and harassment of journalists is increasing around the globe. Current hostile environment training is failing to address new threats from street protests to the COVID-19 pandemic and becoming a target on twitter.

Using real stories and a unique visual style, Head Set's immersive training is designed to evoke intense emotions and show people how to deal with them. Head Set brings highly relevant immersive scenarios directly to journalists wherever they are in the world. They can train remotely in VR with a trainer, or in person in the classroom. It's already being used by some of the world's top news organisations.

I'll be using this award to build a virtual mentoring system and a research paper that shows how it builds resilience towards the psychological challenges of hostile environments.

When journalism is under threat, democracy is under threat. The next few years will be decisive for the future of journalism. Head Set is playing a crucial role in a upholding a more robust media, which ensures access to freely reported, independent, diverse and reliable information.



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Participant organisation names	Project title	Proposed project costs	Proposed project grant
PLASTECH INNOVATION LIMITED	A scalable process to achieve structural improvements for plastic aggregates in concrete	£50,000	£50,000

Plastech Innovation's mission is to identify plastic waste streams from various sources and apply technical know-how to produce useful innovative materials, creating value from the valueless whilst providing positive social and environmental impacts in the UK and globally. It uses its patent-pending technology to transform waste plastic that would otherwise be sent to landfill or incineration, into an aggregate for concrete and other construction materials. The technology is a market disruptor, enabling construction companies to partially replace sand in traditional concrete mixes. This replacement significantly lowers the carbon footprint of concrete, an industry responsible for 8% global CO2 production.

Plastic production is predicted to double in the next 10 years, meaning a solution that repurposes waste plastic is needed urgently. Globally, 50 billion tonnes of sand are used annually in construction; moreover, not all sand can be used for construction due to the particle shape. Construction-grade sand is usually dredged from rivers and sea-beds, leading to significantly damaging impacts on ecosystems, destroying habitats for marine and freshwater life. The use of aggregate derived from waste plastic will reduce demand for such sand, reduce damage to the environment and offer a solution to global shortages in construction-grade sand.

Natasha Boulding, Plastech's CEO and Co-founder, is the lead applicant for this proposal. Plastech Innovation registered as a private limited company in September 2019\. It now has many ongoing innovative projects and collaborates with a variety of organisations in pursuit of fulfilling its vision. This project will allow the company to diversify its product range by developing a scalable process to achieve structural improvements for plastic aggregates in concrete.



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Participant organisation names	Project title	Proposed project costs	Proposed project grant
THE DIVORCE SURGERY LTD	Using AI to automate, simplify and reduce the cost of financial disclosure on divorce	£49,820	£49,820

There is currently a pandemic. But couples are still separating, divorcing, and in need of legal advice. The Divorce Surgery's project is to enable simpler, easier access to its digitised, AI-enabled, One Couple One Lawyer family law service, helping couples who otherwise would have limited access to legal advice or the Courts.

Covid-19 has had a profound impact on the operation of Family Justice. The Family Court is having to focus on urgent child protection cases meaning that for the vast majority of divorcing couples, cases involving the division of their finances or arrangements for their children are routinely delayed. The Family Court is urging couples to access court only as a genuine last resort.

The Divorce Surgery is unique and has won numerous awards for innovation. We are the only business in the country offering joint legal advice from one specialist impartial family lawyer to a couple together. We are regulated by the Bar Standards Board. The major benefit of our service is an increased likelihood of earlier settlement, bringing with it reduced acrimony, better outcomes for children, quicker timescales and much reduced legal costs. As Family Judges regularly point out, reducing the burden on the Courts by promoting early settlement is essential to the proper functioning of Family Justice.

We now offer a completely remote service which combines AI technology and video link legal advice. This is particularly suited to separating couples at the moment, many of whom are stranded without access to the Family Court or legal advice.

Our service takes only 6-8 weeks for a fixed fee and provides a lifeline for couples separating during the pandemic. Innovate UK funding would enable us to make the service even better however, by fully automating the process by which couples exchange their financial information.



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Participant organisation names	Project title	Proposed project costs	Proposed project grant
INOCARDIA LIMITED	Delivering Improved Cardiac Safety Liabilities for Therapeutic Drugs Using the Contractome-Al	£49,653	£49,653

As the founder of InoCardia Ltd, I have applied 30 years' experience aligned to the pharmaceutical industry to commercialise the cardiac Work-Loop contractility platform as a spin-out company from Coventry University in 2013\.

The commercialisation of my academic research started with a vision that there was a fundamental need within the Pharmaceutical Industry for the development of improved physiological relevant model to assess cardiac contractility. These discussions underpinned academic research projects leading to the development of the novel tissue/cell-based Work-Loop Platform that opened-up new pathways to safer drug development. The Work-Loop Platform was commercialised through the formation of the spin-out company InoCardia Ltd, focussing on providing a cardiac drug safety assessment service. Customers have included global pharmaceutical companies and drug discovery biotechs. The company has generated UK & EU investment funding from external funding bodies (i.e InnovateUK) and venture capitalists. The company currently offers the world's first nonclinical contractility assay which offers superior predictivity and is currently revolutionising the field of cardiac safety assessment. There is a lot to learn to translate an academic research idea into a robust commercial offering, in addition to accessing external funding, protecting intellectual property, getting buy-in from stakeholders, learning the language of business and understanding market requirements and dynamics.

The notion of being a role model not only to my two children but also students in Schools and at University is extremely important to me. I truly believe that the "world should be your oyster". I am passionate about Business/Research inspired teaching and currently teach "How to form a spin out company", on BSc/MSc programmes. I see this award as an opportunity to enable me to inspire female scientists towards business innovation. Although I am the founder and current CSO for InoCardia, I stepped down from being InoCardia's CEO 3 years ago as I didn't feel that I had the confidence or adequate business experience to be CEO for my company. I see the Women in Innovation award an important supportive route to gain necessary skills to progress to CEO in the future. I think support via this award will not only help give me more confidence in my abilities as a leader and tech innovator but also helped raise the company's profile. It will enable me to promote InoCardia's vision within the Pharmaceutical Industry and provide me with the access to a network of business support, networking events and attract further investment.



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NEURODIVERSE SELF ADVOCACY PARTNERSHIP C.I.C.	Neurodiverse Self Advocacy Mentoring Through Transition project	£50,000	£50,000

I am a neurodivergent social entrepreneur and founder of Neurodiverse Self Advocacy.

We are a grassroots autistic-led national online self-advocacy and peer-support organisation, challenging traditional attitudes to autism, championing and encouraging autistic led understanding, reclaiming leadership by those with lived experience.

Our mission is:

"The support and enablement of Neurodivergent People to lead healthy and fulfilling lives, achieve their life goals and realise their potential in order to achieve equality and fully contribute to society."

We run a self-advocacy information site and forum and a mentoring into employment programme for autistic adults.

This project develops a person-centred Transitions Mentoring and includes a forum support group and online course delivered by autistic people, this way building an autistic self-advocacy and peer-to-peer support network helping autistic adults overcome the disadvantages in wellbeing.

We will train autistic adults to mentor other autistic adults to cope with change and uncertainty.

Autistic people are particularly vulnerable in the current crisis as their routine is disrupted, they suffer from heightened anxiety and depression amid uncertainty and imposed isolation, which cut the few social connections they rely on, closed support services and isolated them from family members. They struggle to seek and find help, and may reach crisis points without support.

Our focus is on people with so called 'lower level needs' ineligible for existing support, unable to access help and suffering from crippling mental health problems (70%), suicidality (66%), financial hardship (45%), 16 years shorter life expectancy, suicide being the lead cause of early death - by harnessing skills and energies of autistic people who are ready to mentor others, in particular as a safeguard and support amid the current crisis.

The National Audit Office identified a gap in support for people with lower support needs. We are filling this gap.

Research shows that wellbeing centres around positive autism identity, anxiety reducing problem solving and perception of social support. Our programme aims to ensure that autistic people are not left behind after COVID19\.

The project is life changing for both mentors and mentees, it builds capacity of the autistic community, relieves the disadvantage of disability and tackles social exclusion.

We have a strong team. We are working with leading autism researchers and professionals to deliver the support autistic adults need.

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Participant organisation names	Project title	Proposed project costs	Proposed project grant
METHOD X STUDIOS LIMITED	Developing a multidimensional smartphone edu-tainment platform to improve mental health amongst lower middle class, working class and unemployed in the UK	£49,500	£49,500

Mental ill health is an increasingly apparent problem across society. According to MIND, the mental health of the UK population has deteriorated during COVID-19 and the levels of mental health are expected to worsen during the return to work and subsequent deep recession. The bulk of mental health solutions in the market are designed for the 10% of the population who already have the necessary resources to invest in self-improvement, exacerbating existing health inequalities. Wakey, a breakfast show app that Method X Studios launched in 2020, is focused on the other 90%: the first step to make good mental health information accessible to everyone and to end the mental health poverty gap. Wakey delivers a 9-minute morning edu-tainment show that speaks to the audience. While there is a strong emphasis on entertainment, the show's content is theory and evidence led, drawing on approaches from cognitive and third-wave psychotherapies and positive psychology interventions. Our vision at Method X Studios is to create a multidimensional smartphone-based edu-tainment platform that provides free mental health content. This entails a holistic approach that goes beyond morning, offering a bedtime feature and in general, a more personalised approach tailored to people's needs. Our approach of combining mental health information with entertainment, in order to engage the audience makes it unique, as majority of existing mental health apps have the problem of low engagement. As a result, we increase people's mental health literacy, help to build resilience and emotional wellbeing that in long term supports desired behaviour change.

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Participant organisation names	Project title	Proposed project costs	Proposed project grant
BRARISTA LTD.	Democratising Professional Bra-fitting Using Computer Vision	£49,971	£49,971

My name is Bella Trang Ngo - an immigrant founder Vietnam and a Royal Academy of Engineering Fellow. During my Masters in Technology Entrepreneurship (with a specialty in Retail Technology), I incubated the Brarista concept which aims at solving the problem of 80% of bra-wearers wearing ill-fitted bras.

Ill-fitted bras are associated with a variety of muscle pain, skin irritations and scarrings, poor breast health, and self-confidence concerns for bra-wearers. Ill-fitted bras have a direct correlation with the increased tendency in bra-wearers for body self-consciousness and are cited among the most popular reasons for poor sports participation among young women.

The pervasiveness of this problem is rooted in the inconvenience and inaccuracy of in-store bra-fitting, together with the inconsistency in fit across brands and styles (as there is no universal size chart or grading method). It is expensive for retailers, especially those with high staff turnover, to train new employees to fit bras professionally by eye or to have strong product knowledge, a typical training takes roughly two full-time months, if not more. They thus stick to the measuring-tape bra-fitting method, which yields only 30% accuracy. A majority of high-street bra fitting services, therefore, recommend faulty sizing consultations, and their product recommendations have almost no applicability to one's correct fit.

This reality represents immediate market-pulled opportunities for Brarista to create a breakthrough that can bridge the gap by providing women with the experience of getting fitted by highly trained professional bra-fitters at home. We do so with our proprietary AI-enabled B2B2C software that enables bra-wearers to self-measure and shop for the correct bra fit across brands and styles - using any digital camera. Our solution aims to solve the bra-sizing problems of the end-consumers, which ultimately solve retailers' problems.

We have been featured in an Israeli's national newspaper - Yedioth Ahronoth - titled: Brarista will revolutionise bra-fitting.

The Award will allow Brarista to continue to pioneer our R&D in this seriously underserved space and bring important resources and credibility to enable us to reach the next milestones in fundraising, scaling up the innovation, and beta-launching.



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Participant organisation names	Project title	Proposed project costs	Proposed project grant
NEXTUP COMEDY LTD	Amplifying Comedy: Connecting People and Saving Venues	£49,981	£49,981

Sarah Henley is one of the founders of NextUp, a comedy organisation that champions and supports live comedy in the UK.

An inspirational female founder, Sarah has been featured on the BBC's New Talent Hotlist, accepted onto the Google for StartUps: Women Founders Immersion Program, and setup Burn Bright - a not-for-profit that that supports female theatre writers,

Using NextUp's industry connections and platform, as well as technology solutions developed during the Covid-19 Restrictions - the idea is empower comedy venues with innovative streaming technology to open up an additional revenue stream for venues and performers, allowing an for an in-person and live-streamed 'Hybrid Audience' - all of whom can interact with the comic and enjoy the 'live' experience. This will make live comedy more accessible than ever for those who are unable to make the performance in person - bringing local comedy to a UK-wide audience.

Additionally this solution will help venues weather the limitations in live audiences the Covid-19 Restrictions have imposed, as well as future-proofing their revenue for years to come.

Comedy brings people together - and by digitising venues, it has the power to connect more people than ever.



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Participant organisation names	Project title	Proposed project costs	Proposed project grant
DSPOSAL LTD	Waste Manager Platform	£49,996	£49,996

I am the COO and Co-Founder of Dsposal a clean-tech company who along with its sister social enterprise Your Dsposal, is on a mission to empower people to make better decisions with their resources and waste by increasing transparency and accountability to make a positive impact on our environment.

Born in Tamil Nadu, India, I spent my early years on rural development projects before moving to North Devon, UK. Prior to co-founding the company in 2016, I gained a degree in Conflict Resolution from the University of Bradford, cycled 8,700 miles around North America and enjoyed a winding career encompassing logistics and supply chain, the food industry and sustainability.

I was voted joint 5th in the 2019 Resource Hot 100, am shortlisted for the Northern Power Women Outstanding Entrepreneur award 2020 and recognised in the 42 under 42 list for NW Business Insider. I am also Group Coordinator of the Waste Compliance Taskforce and an alumna of the CSC Leaders Programme. I speak internationally on waste, digitalisation, open data and open standards.

I want to use this Women in Innovation award to develop innovative new software which will enable waste managers at complex waste producing organisations, like the NHS, to better manage their waste supply chain so that we can tackle waste crime (which costs the UK economy £1billion a year), improve resource efficiency and minimise our environmental impact whilst reducing public sector costs and time spent.

I am passionate about digital transformation of the waste sector and how this can help us create green jobs to help us build back better.



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Participant organisation names	Project title	Proposed project costs	Proposed project grant
DREAM PADS LTD	Lilypads	£49,999	£49,999

Lilypads has two aims: first to ensure no woman is disadvantaged by her period and the second to eliminate environmental waste from periods.

Our UK commercial company designs and sells reusable period pads in the UK. They're more comfortable and affordable than alternatives and support our charitable arm which aims to reduce gender inequality and period exploitation.

Lilypads started in Kenya three years ago, where I found girls were exchanging sex for sanitary products, just remain in education. We knew we had to try and stop this, and began making our own reusable pads for them.

While testing the pad on a UK audience, we began to learn about issues here: environmental impact, comfort and cost of products. Each year Scotland sends 1.6bn sanitary pads to landfill. Lilypads are 100% reusable, reducing the carbon footprint of sanitary pads by 90%.

We redeveloped the pad using innovative British materials to reduce the thickness and improve the design and comfort. Through lean manufacturing, we were able to reduce the cost to become one of the cheapest reusable pads on the market without compromising on quality or comfort.

We launched our product in July 2020 by Crowdfunder and successfully funded in just 1 week. We quickly learnt there are other problems on the market - especially surrounding incontinence products and in the different ways people experience periods. We are now looking to create an innovative reusable incontinence pad which works and empowers women. Furthermore, we hope to improve our reusable pad range by making them more inclusive to different genders and body types. Lilypads are currently focused on the UK market, however, we are aware there is demand in different global markets. At the end of 2021, we will look to expanding into these new markets, increasing our growth.

Sales from our UK product support our work internationally. The larger we grow our UK company, the bigger impact we can have globally. We have recently formed partnerships with organisations in Cambodia and Malaysia providing access to reusable period products. In early 2021 we will begin training women in the community to sell these products at an affordable cost ensuring sustainability and a greater impact. We are currently in discussion with 7 organisations from countries around the world.

Lilypads believes no one should be limited by their bodies. Help us achieve that.



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Participant organisation names	Project title	Proposed project costs	Proposed project grant
STREAMLINED FORENSIC REPORTING LIMITED	Three-dimensional medical evidence for criminal justice in the UK	£49,472	£49,472

This project is aimed to revolutionise how medical evidence is produced in court. It will give the police, counsel, the court and the jury unparalleled insight into the nature of and causation of inflicted wounds and ultimately lead to better justice for victims of violent crimes. As a medical doctor, female entrepreneur, specialist in the criminal justice field and motivated personal trainer, I strive to improve the lives of the victims I treat and give them a better outcome in court.

Our project is going to change the way medical evidence is presented in court and change the outcome for the better for victims of violent crimes. It is timely, accurate and scalable and will disrupt the medical evidence marketplace. It is a perfect merger of digital technology, law, medicine and public safety.

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Participant organisation names	Project title	Proposed project costs	Proposed project grant
MYPOCKETSKILL LTD	Creating financially capable Gen Z	£49,951	£49,951

I am Zara Ransley. My background is in finance and investment and, more latterly, in youth employability related services too. I have led teams and helped organisations to build new digital products. I bring particular strengths in collaborative problem solving and the ability to lead diverse, often geographically distributed, teams. I thrive in and encourage a collaborative environment, enabling others to contribute, share ideas, encouraging diversity of thought and engagement in constructive debate and experimentation.

MyPocketSkill is a fintech start-up, with the goal to help Gen Zs become more financially capable.

MyPocketSkill has already achieved considerable success and I have won multiple awards both personally and also as part of the organisation, including being nominated in Innovate Finance's Women in Fintech powerlist. It puts me in a good position to promote diversity and be a role model for other women.

Our project aims to develop an innovation which reconnects young people with earning and savings opportunities and supplements these online connections with prompts and nudges to develop and strengthen financial capability through a learning-by-doing approach. It builds on strong evidence that creating early money-earning opportunities helps to build capability, confidence and financial capability.



Competition Code: 2009_WOMENININNOVATION_R3

Total available funding is £2,000,000 + OPEX 5%

Note: These proposals have succeeded in the assessment stage of this competition. All are subject to grant offer and conditions being met.

Participant organisation names	Project title	Proposed project costs	Proposed project grant
COMPARE ETHICS LTD	Compare Ethics - Establishing the First Verifiable Sustainable Impact Product Measurement and Impact Reporting Tool	£80,937	£49,776

Abbie Morris is a sustainability and policy expert. Previously Abbie has led global teams in solving complex policy challenges, including leading a Presidential campaign in West Africa. Now as Co-Founder and CEO of Compare Ethics, a start-up committed to using technology to solve challenges - Abbie has a unique insight on the socio-economic impact of investing in sustainability at scale, combatting greenwashing and building trust between consumers and businesses.

Amid a landscape of purpose- and green-washing, only 10% of consumers trust the sustainability claims made by brands. Compare Ethics is the platform that verifies how sustainable and ethical products are and makes it very easy to find these products. Through our verification technology, we assess the claims made by brands and retailers on an individual product level - so that you have more transparency and can truly shop with confidence.

Through our next phase of Compare Ethics, we want to make this even clearer - focusing on working with brands and retailers to fully showcase their positive impact through our new flagship Impact Widget and Impact Product Reporting. For example, we found purchasing the Ballerina Combi swimsuit from Aima Dora (a brand we work with) saves the equivalent of 6.8 km of driving emissions in its manufacturing process compared to industry standards and uses 13.9 plastic bottles recovered from the ocean.

We also want to collect and share this valuable data and findings to not only help brands better work towards a more positive, circular supply chain but use as a tool to campaign and make real legislative change in the UK.



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Participant organisation names	Project title	Proposed project costs	Proposed project grant
TRANSPARENTLY LIMITED	Development of an enhanced communications feature to protect vulnerable individuals within Family Law	£49,973	£49,973

I co-founded transparently four years ago, as a result of my own experiences and after identifying a 'gap' in the legal services market. An opportunity to 'make it better'; to use technology to protect vulnerable individuals, improve the client experience, increase lawyer productivity and reduce costs for all involved. My goal has always been ultimately to increase access to justice, particularly for those most disadvantaged.

This project will build upon the successful outcome of a recent Innovate UK research project and will extend elements of our current legal communications & client management platform, to enable supervised communication to take place between individuals and for independent expert assessment to be made.

My vision is to protect vulnerable individuals in situations where they are required to maintain contact with a former-partner post-separation, for example prior to a court hearing, or where individuals who may be deemed 'high-risk' are co-parenting a child.

As a company we are passionate about promoting integrity, and removing conflict and acrimony wherever possible; particularly our wish is to better understand the context and dynamic of relationships, so as to make better use of alternative methods of dispute resolution and to reduce the need for matters to be addressed in court.



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Participant organisation names	Project title	Proposed project costs	Proposed project grant
FUTURE WE WANT LTD	Climate change action is not a game it is now!	£50,000	£50,000

Dr Emma Fieldhouse is a career environmentalist, inspirational teacher and Director of her own business. She is passionate about changing the perception of sustainability and climate change. She has spent her working life finding the most innovative, dynamic ways to provide learning around climate change and carbon footprints. Emma and business partner Anja have joined forces since 2015 through the consultancy Future We Want. Both work part-time on developing game concepts and new game versions to capture their clients.

'How Bad are Bananas? The Carbon Footprint of Everything' 2nd edition (Berners-Lee, 2020) is the book (first launched in 2010) that inspired the carbon footprint game of the same name. Mike's expertise is widely known and used by sustainability professionals -- he is best known for his bananas book and his appearance on David Attenborough's BBC programme 'Climate Change: the Facts' (2019). Mike allows FWW the freedom to develop new ideas and he collaborates on agreeing the boundaries to their application.

Everyone has environmental impacts but not everyone understands what they are and what they can do about them. With increasing cases of 'eco-anxiety' being documented widely across the world, particularly amongst young people, the 'Bananas Digital Game' provides a fun and optimistic way to learn about the climate impacts we all create and how we can minimise our own. We intend to share a viral game across the globe for free for educators, paid for by the tailored versions we provide for different clients. The post-COVID green recovery can far better be achieved by an engaged, informed and inspired society. Let's face it -- in a post-COVID world if it's a choice between a) YET ANOTHER boring online training course or b) a game, it's a pretty easy decision to take and b) will win every time.

Our clients are sustainability professionals from all business sectors who each have targets for carbon reductions to hit and are grasping at different engagement programmes to help them to bring their people along on the journey. Our end users are everybody from schoolchildren to Board members, professors to the public. The readers of Mike's book are a targeted audience in themselves (82K on Amazon Kindle alone!) and many existing clients make the link between the book and the game and want to buy both. With the help of the Award we hope that will be very soon.

Funders Panel Date: 16/12/2020

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Competition Code: 2009_WOMENININNOVATION_R3

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Participant organisation names	Project title	Proposed project costs	Proposed project grant
LIBRARY OF THINGS	Library of Things: The £1 million Contract for Circular Economy Outcomes	£49,931	£49,931

About Library of Things

Co-founded by Emma Shaw, Rebecca Trevalyan and Sophia Wyatt, this women-led social enterprise helps people save money and reduce waste by affordably renting 50 quality DIY & entertainment products like Bosch drills, Stihl strimmers and Brother sewing machines from self-serve product rental kiosks in urban hubs.

How it works:

- 1. Hear about LoT via friend referral/press/social media/walking by
- 2. Browse web app/reserve products, pay-per-day
- 3. Collect/return products from local kiosk

Vision

In 2025, LoT has enabled one million urban residents to affordably access products they need to improve their homes, lives and environment. Its innovative product rental service is now active in 5 UK cities beyond London, working with communities, product manufacturers, retailers/landlords and local governments, Together, we have unlocked a new, 'circular' model of consumerism where borrowing is better than buying -- more affordable/convenient for individuals, more rewarding for communities and kinder to the planet.

Innovation

As the first and only product rental kiosk operator in the world, LoT can disrupt the retail market from purchase to rental. This project will help LoT compete with wasteful consumerism, but accelerating its journey to scale to more people across core UK cities.

Business need

Whilst LoT is operational and growing its sites in London, and despite having 300+ expressions of interest from residents/ businesses/ local governments to scale to other UK cities, LoT's sales funding pipeline beyond London is not secured and its contracting process can be complex.

Project:The £1 million Contract for Circular Economy Outcomes

To launch 100 kiosks by 2025, LoT needs to simplify and secure multi-city, multi-site commissioning contracts worth £1 million. LoT will create a Circular Economy Outcomes Contract/toolkit for commissioning organisations to quickly engage, procure, and provide access to sites to host LoT kiosks in their cities. This is expected to be the first contract of its kind dedicated to circular economy innovation/outcomes.

Note: you can see all Innovate UK-funded projects here: https://www.gov.uk/government/publications/innovate-uk-funded-projects
Use the Competition Code given above to search for this competition's results

Objectives/focus

The toolkit will comprise of three key outputs a one key deliverable:

- 1. "Proposition" -- an interactive sales process to share/ quantify business case with commissioners
- 2. "Impact Model" -- shareable, evidenced finance-impact model -- valuing benefits/outcomes with projected pay-back
- 3. "Contract" -- simple, template agreement with customisable modules, integrated with financial systems

With £50,000 funding and tailored advice/support, LoT will be able to:

- * Unlock £1 million pipeline to bring LoT to 5 more cities beyond by 2025
- * Create innovation/ wider benefits, catalysing a movement of circular/sharing models across eg. food, transport

^{**}Impact**



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Participant organisation names	Project title	Proposed project costs	Proposed project grant
ENABLE MANUFACTURING LTD	Casting 4.0 - Supply chain digitalization to produce metal parts using Additive Casting	£52,310	£52,310

Casting 4.0 - Supply chain digitalization to produce metal parts using Additive Casting

Enable specializes in Additive Casting(r), which combines the best of 3D printing and traditional casting to manufacture complex metal parts of any size cost effectively. We use industrial 3D printing to produce moulds from which we can cast metal parts using nearly any metal. This approach eliminates the need for tooling, allowing for more complex parts to be manufactured from first prototypes to large annual production volumes.

We are a team of five people who are all shareholders in the business. I am responsible for customer satisfaction which includes marketing and other customer interactions on a non-technical basis, driving our strategy to get Additive Casting adopted as a standard manufacturing method.

This project is about the creation of a data management and tracking system from order to invoice that automatically generates and shares manufacturing data, tracks and records manufacturing stages through the supply chain and gives complete visibility and traceability for the end customer.

This will support our commercialization of the Additive Casting technology and give us a strong USP in the market: The delivery on our promise to supply castings within 4 weeks using Additive Casting, as opposed to 6-12 months with the traditional casting process.

This will not only be an innovation for Enable but many other UK manufacturing businesses that can use the Additive Casting process to innovate quicker and re-shore production to the UK.



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Participant organisation names	Project title	Proposed project costs	Proposed project grant
SANITARY OWL LTD	Reusable Period Pad For Teenage Girls, Designed By Teenage Girls	£50,000	£50,000

I am Celia Pool, co-founder of DAME. DAME is a startup on a mission to Make Periods Positive. We are trying to disrupt decades of stasis in the period care sector. We create innovative products which can eradicate millions of pieces of plastic ending up in landfill or the ocean, are accessible to everyone, and put an end to negative language and taboos.

We launched the world's first reusable tampon applicator in 2019, and in 2020 we launched our breakthrough reusable pad. We combined the cutting-edge of material science, human-centred design and brand marketing to make it easy and desirable for women to switch away from disposable products.

I take pride in building a company that's a force for good in the world. We are a certified B Corp, the first ever Carbon Neutral Plus company in the UK, and in 2019 we were voted the 7th best company to work for by Escape the City.

My next idea is to try and transform the period experience for teenage girls into one that is positive for them and the planet. I want to launch a reusable period pad for girls that can gain mainstream adoption. To do this I want to take a radical new approach, by properly co-creating the pad and brand with teenage girls, through a national competition and incubator programme. The plan is to then launch the pad nationwide, making use of DAME's relationships with retailers.

If we can achieve this, we can divert girls from a lifetime of plastic waste, help end taboos, shame and period poverty, whilst also developing the women innovators of the future.



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Participant organisation names	Project title	Proposed project costs	Proposed project grant
UNITARY LTD	Spinor: building novel algorithms to identify abuse in online text	£50,040	£50,040

Project description - provided by applicants
I am the CEO and co-founder of Unitary, a startup working to make the internet safer by building technology to identify and remove harmful content online.
To date, we have been focusing on image and video moderation, but we plan to capitalise on a growing demand for text-based moderation by developing novel algorithms to interpret abuse in online text.

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