

CES 2022

UK Company Directory
5–8 January 2022



Great Technology

helps you see the possibilities

Global businesses like Rolls-Royce are revolutionising their processes using augmented, virtual and mixed reality. If your business would benefit from this exciting new dimension, the UK can help.

We're ready to trade with you.
Find out more at great.gov.uk



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Foreword from Minister for Exports Minister Freer MP



The UK is proud to be Europe's leading tech nation with a start-up and scale-up segment valued at over \$585bn. The UK's strong research base, talent pool, dynamic ecosystem, reputation for innovation and attractive business environment continues to foster the best environment for the creation and development of world leading and innovative tech companies.

The UK remains Europe's number one destination for Venture Capital and – despite the pandemic – received the record amount of \$15bn in 2020, equating to one-third of the European-wide total.

This clearly demonstrates our resilience and dynamism as one of only three countries that has seen investment growth each year since 2015. The UK is the first country in Europe and the third globally to have reached the milestone of 100 tech unicorns, with 29 unicorns being created in 2021 alone. The number of UK tech unicorns now stands at 115, which is more than Germany, France and Sweden combined.

Ranking 4th in the Global Innovation Index 2021, we are home to the world's first dedicated 6G innovation centre and our record levels of R&D investment continues to drive UK tech innovation forward, with a total UK corporate spend of \$26bn in 2019.

I am delighted to be attending CES with an outstanding and diverse UK tech delegation. This directory provides a list of the UK companies exhibiting at the show and I invite you to come and meet them at the UK Pavilion, stand number 62502, and 62524 in Eureka Park, Venetian Expo (Tech West).

A handwritten signature in black ink, appearing to read 'Mike Freer'.

Minister for Exports
Mike Freer MP.

About the Department for International Trade (DIT)

We secure UK and global prosperity by promoting and financing international trade and investment, and championing free trade.

The range of expert services is tailored to the needs of individual businesses to maximise their international success. Companies are given advice and practical support, and staff can assist at all stages of the business planning cycle, from inception to completion.

The UK's commitment to support global investment is unparalleled. Our international network provides a global reach in 170 countries. Staff work to ensure global businesses can invest successfully in the UK.

We are an international economic department, responsible for delivering 4 priority outcomes:

1. Secure world-class free trade agreements and reduce market access barriers, ensuring that consumers and businesses can benefit from both.
2. Encourage economic growth and a green industrial revolution across all parts of the UK through attracting and retaining inward investment.
3. Support UK business to take full advantage of trade opportunities, including those arising from delivering free trade agreements, facilitating UK exports.
4. Champion the rules-based international trading system and operate the UK's new trading system, including protecting UK businesses from unfair trade practices.

For more information, please visit:
www.great.gov.uk/international



Department for
International Trade

Great Innovation drives change

The UK's technical and design expertise in clean transport technology is unrivalled, with engineering excellence coming from R&D hubs such as the Advanced Propulsion Centre. Choose the UK to power a global zero-emission future.

We're ready to trade with you.
Find out more at great.gov.uk



Great Futures need bold commitments

Jaguar Land Rover's commitment to make Jaguars pure-electric by 2025, and offer electric versions of their entire range by the end of the decade, is just one example of the UK's leadership on global climate action. Join us and see things differently.

Jaguar I-PACE


GREAT
BRITAIN & NORTHERN IRELAND



The UK government and automotive industry have jointly invested more than £400m into the sector.

£400m



The UK is the global centre for the innovation and development of connected and automated mobility technologies (CAM), set to be worth £100bn globally by 2035.

£100bn

CAM will transform transport, making journeys greener, safer, easier and more productive.



UK Government investment in EV development, infrastructure and market uptake amounts to

£2.8bn

by 2035

Exhibitor List

Company	Page	Stand
3FINERY LTD	41	61515
Aceleron	18	UK Pavillion - 62502
Alchera Technologies	19	UK Pavillion - 62502
AntennaWare Ltd	42	
Area 52	20	UK Pavillion - 62502
Aristocraft	21	UK Pavillion - 62502
ARROE Ltd	43	
BeeReal Holdings Ltd	46	
BlueSkeye AI	22	UK Pavillion - 62502
Bodle Technologies	23	UK Pavillion - 62502
Bohemia Automation	24	UK Pavillion - 62502
Boompods Ltd	47	
Caura Ltd	25	UK Pavillion - 62502
CEH Technologies	48	61735
Ceres Holographics	49	N115, N116, N117, N118
Circuit Mind	50	60740
Cycl Bike	51	
dRISK	28	UK Pavillion - 62502
Dutycast	52	
Dynamon Ltd	29	UK Pavillion - 62502
Engineered Arts Ltd	30	UK Pavillion - 62502
Epitomical Ltd	31	UK Pavillion - 62502
EtherSec Industries	53	
Flusso Ltd	54	63345
FuturePlus	55	
GeoSmartPro Ltd	56	51853
Humanising Autonomy	57	
Immense.ai	58	
Imperium Drive	32	UK Pavillion - 62502
Innovate UK	33	UK Pavillion - 62502
Intellectual Property Office	34	UK Pavillion - 62524
Kigen UK Ltd	59	
Lupovis	35	UK Pavillion - 62502

Company	Page	Stand
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Markr Labs Ltd.	61	
Matchbox Mobile	62	
Mindtech Global Ltd	63	61516
Moochies Trading Ltd	64	54850
Movetru	65	
Nepox Ltd	66	
Nuuk Digital	67	
Olvin	68	
OrxaGrid	69	
Parkopedia	70	
PitPat	71	54929
PolyDigi Tech Ltd	72	
Redev Technology Ltd	73	9737
Safetray Products Ltd (TA. G-Hold)	74	19286
Sancloud	75	
Say It Now Ltd.	76	
See.Sense	77	EIC/EU Pavilion
Signature Rail Ltd	80	
Smart Audio Technologies Ltd	36	UK Pavillion - 62502
Social Reputation Ltd	81	
Starscream Communications Ltd	82	
StreetDrone	83	
The Insights Family	84	UK Pavillion - 62524
Tremendoc Ltd	85	
Triggo Dedicated Carrier Systems	37	UK Pavillion - 62502
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Westfield Technology Group	38	UK Pavillion - 62502
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ZPN Energy	89	

Product Categories

Accessibility

BeeReal Holdings Ltd	46
Social Reputation Ltd	81

Advertising, Marketing, Entertainment & Content

3FINERY Ltd	41
Engineered Arts Ltd.....	30
Markr Labs Ltd.	61
Say It Now Ltd.	76
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Artificial Intelligence

Alchera Technologies Ltd	19
BlueSkeye AI	22
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Dynamon Ltd.....	29
Dutycast	52
EtherSec Industries.....	53
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Nepox Ltd.....	66
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Redev Technology Ltd.....	73
Say It Now Ltd.	76
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Signature Rail Ltd	80
Social Reputation Ltd	81
Smart Audio Technologies Ltd	36
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Audio/High-End/High Performance

Boompods Ltd.....	47
CEH Technologies.....	48
Smart Audio Technologies Ltd	36
Starscream Communications Ltd.....	82

Branding

Bodle Technologies	23
Starscream Communications Ltd.....	82

Business Growth and Development Services

Circuit Mind	50
Dutycast	52
Innovate UK.....	33
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Computer Hardware

Bohemia Automation	24
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Connected & Autonomous Vehicles

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Education

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Fitness

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Geospatial

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Interactive Products

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Lifestyle (Family, Beauty, Pet)

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PitPat.....	71

Product Categories

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Immense.ai.....	58
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Mobility Services

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Public Policy/Government

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Rapid & Medical Diagnostics

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Sleep & Wellness Technologies

BlueSkeye AI.....	22
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Marine AI.....	60
Matchbox Mobile.....	62
Mindtech Global Ltd.....	63
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Olvin.....	68
PitPat.....	71
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Caura Ltd	25
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Marine AI	60
Parkopedia	70
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BlueSkeye AI	22
EtherSec Industries.....	53

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Wireless Power & Data Transmission

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Top Ten IP Tips for SMEs

1 Get an IP Health Check



2 Learn about IP rights with IP Equip



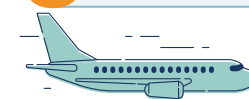
3 Access our free IP tools



4 Use IP for Investment



5 International? Connect with our attaché network



6 Prove IP Ownership



7 Use Non-disclosure agreements



8 Identify regional support providers



9 Engage with IP Professionals



10 Upskill with IPO events



Meet Our UK Exhibitors

Aceleron Ltd



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in www.linkedin.com/company/aceleron/

Company Bio:

Aceleron is an award-winning clean technology company dedicated to eliminating battery waste in a world that is increasingly relying on batteries as a power source. Co-founded by Dr Amrit Chandan and Carlton Cummins, the company is responsible for building the world's first sustainable lithium-ion battery. Using a unique compression technology method, every part of the battery can be repaired, upgraded or replaced. The batteries have an endless lifespan which is kinder to the planet, keeps long-term costs down and contributes to the circular economy. Aceleron empowers the global community by increasing access to energy storage solutions for everyone.

Specialisms:

Aceleron specialises in developing serviceable and upgradeable battery technology for the circular economy.

Operating Markets:

Barbados, Ethiopia, Hungary, India, Kenya, Madagascar, Netherlands, Nigeria, South Africa, UK.

Keyword Search:

Smart Cities/Resilience, Smart Home, Sustainability.

Stand Number:

UK Pavilion - 62502

Alchera Technologies Ltd



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Company Bio:

Alchera Technologies is an AI software startup providing AI-enabled cloud software to power data-driven mobility infrastructure. It provides operators and commercial users of road infrastructure with high quality real-time insights on vehicle and pedestrian movements around cities and major infrastructure at a national scale. Its flagship product, Alpha, operates with greater coverage, lower cost and greater reliability than any existing solutions by using state of the art AI to fuse together existing sensor networks (including IoT devices and connected vehicles) and build an enriched comprehensive unified view which delivers first-of-a-kind city-scale real-time insight.

Keyword Search:

Artificial Intelligence, Cloud Services, Connected & Autonomous Vehicles, Drones, Geospatial, Location Data and Services, Mobility Modelling, Mobility Services, Smart Cities/Resilience, Sustainability.

Stand Number:

UK Pavilion - 62502

Meet Our UK Exhibitors

Area 52

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Company Bio:

We're reinventing the stroller industry for the twenty-first century. Why?

Because a generation of new parents, raised on technology, deserves intelligent strollers that fit seamlessly with their world of increasingly smart homes, cars and workplaces.

Keyword Search:

Other Consumer Technology.

Stand Number:

UK Pavilion - 62502

Aristocraft Ltd



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Company Bio:

Aristocraft is introducing the Minotau brand for citizen-enabled computing and telecommunications.

Minotau will be announcing its Helium-ready LoRa gateway hotspot that enables citizen-enabled IoT telecommunications.

Minotau will also be demonstrating Tau coin-based mobile mining. Minotau is a trade mark of Aristocraft Ltd.

Specialisms:

Aristocraft specialises in citizen empowered computing and telecommunications. With the advent of Web 3, new disruptive ways of both computing and telecommunications are emerging, Aristocraft is establishing a new brand, Minotau, for citizen empowering devices that operate on Web 3 and distributed computing principles.

Keyword Search:

Mobile Payments/Digital Finance/
E-Commerce, Smart Home,
Telecommunications, Telematics,
Wireless Services.

Stand Number:

UK Pavilion - 62502

Meet Our UK Exhibitors

BlueSkeye AI



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🌐 www.blueskeye.com

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Company Bio:

BlueSkeye AI is the world leader in using automatic face and voice analysis technology to understand clinically relevant human expressive behaviour.

Prof Michel Valstar has spent over 15 years developing the core science and technology underpinning BlueSkeye AI to enable automatic analysis of affective and social signals to aid objective diagnosis, monitoring, and treatment of medical conditions, such as depression, that alter affective and socially expressive behaviour (Behaviomedics). B-Social is a brand new product that will improve and enhance social robotics and virtual agents.

Specialisms:

B-Social is a brand new BlueSkeye Product that helps social robotics, virtual agents and other interactive machines better understand people's facial expressions, gaze, pose and other expressed behaviour. B-Social is an SDK that uses innovative face and voice sensing technology you can trust with your health and wellbeing, with light-weight AI running on your own device.

Keyword Search:

Artificial Intelligence, Interactive Products, Other Consumer Technology, Rapid and Medical Diagnostics, Sensors and Biometrics, Sleep & Wellness Technologies, Smart Measuring Tool, Software and Apps, UI/UX, Vehicle Technology, Voice interfaces, Video.

Stand Number:

UK Pavilion - 62502

Bodle Technologies



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🐦 @BodleTech

Company Bio:

Bodle Technologies is a University of Oxford spin out company developing an entirely new class of solid-state coatings with applications in colourful, switch-able, smart surfaces and displays.

Keyword Search:

Branding, Other Consumer Technology, Research and Development, Wearables.

Stand Number:

UK Pavilion - 62502

Meet Our UK Exhibitors

Bohemia Automation

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🌐 www.eva-ics.com

🐦 @eva_ics

🌐 www.linkedin.com/company/eva-ics

Company Bio:

EVA ICS is an open-source platform for Industry 4.0 system development with unique features, such as Private Isolated Cloud, Zero Vendor Lock-In, rapid deployment, actual node control, and much more.

Which helps to create solutions in the energy sector (battery storage management), Smart City, industry and agriculture sector and Home IoT.

Specialisms:

We provide modern solutions for Industry 4.0-automation:

- Private-cloud SCADA EVA ICS
- Open unique optimized data exchange protocols and databases
- Zero vendor lock-in- DevOps technologies for Industrial IoT.

We focused on high-energy, smart cities and heavy industry sectors. All our solutions are real-time, ultra-secure and fully flexible.

Operating Markets:

EU, Canada, Ukraine

Keyword Search:

Cloud Services, Computer Hardware, Smart Cities/Resilience, Smart Home, Software and Apps.

Stand Number:

UK Pavilion - 62502

Caura Ltd

CAURA

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🌐 www.caura.com

Company Bio:

Caura is a payment platform for your car. With just a plate, you can pay for tolls, city charges, parking, vehicle tax, insurance and maintenance.

Specialisms:

We're the only such holistic platform in the world.

Operating Markets:

UK.

Keyword Search:

Location Data and Services, Mobile Payments/Digital Finance/ E-Commerce, Mobility Services, Telematics, UI/UX.

Stand Number:

UK Pavilion - 62502

Highly skilled talent

With truly international universities and industries, the UK attracts the finest talent from across the world.

This powerful mix of cultures and capabilities contribute to the analytical expertise, innovation, and original thinking that have become hallmarks of our technology industry. Starting young, computer coding is now part of the UK curriculum, being taught to children from the age of five.

The UK has 7 out of 10 best universities in Europe with The University of Oxford also ranked as number one in the world

- | | |
|------------------------------|---|
| 1. University of Oxford | 6. London School of Economics and Political Science |
| 2. University of Cambridge | 7. University of Edinburgh |
| 3. Imperial College London | 8. LMU Munich |
| 4. ETH Zurich | 9. King's College London |
| 5. University College London | 10. Technical University of Munich |

Oxford University

The UK has 170 universities and higher education institutes and the most graduates annually in Western Europe.

Meet Our UK Exhibitors

dRISK

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d(risk)

Company Bio:

We are developing technology to fully train, test and validate AVs, leading to a step change in safety, performance and commercial viability.

dRISK solves the problem experienced by AV developers – poor and incomplete performance on edge cases. Edge cases are the countless risky vehicle scenarios which are individually unlikely but together make up all the risk, and for many AV developers plagued by false positives, phantom braking, improvement on some edge cases often means reduced performance on others. With dRISK's patented knowledge graph technology AV developers improve performance on the entire map of AV risk all at once.

Specialisms:

dRISK are an AI company with next-generation technology to fully train, test and validate Autonomous Vehicles (AVs), leading to a step-change in safety, performance and commercial viability.

Operating Markets:

Europe, North America, UK.

Stand Number:

UK Pavilion - 62502

Dynamon Ltd



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Company Bio:

Dynamon is transforming the commercial transport industry to a sustainable future with smarter fleet procurement. Dynamon's tools enable fleet procurement teams to precisely forecast the performance of different vehicle technologies within their specific operations to identify the optimum solutions that minimise cost and environmental impact.

Built on advanced data analytics and AI, Dynamon's tools combine and process fleet telematics data and product performance data to provide accurate, meaningful fleet specific procurement insights.

Dynamon's tools use independently sourced product performance data from Dynamon's unique product testing programmes. Dynamon has the largest independent datasets for tyre efficiency, aerodynamic devices, and commercial electric vehicles, enabling procurement teams

to identify solutions that drastically reduce fleet total-cost-of ownership and CO2 emissions.

Fleets using Dynamon's tools are empowered to make informed optimal procurement decisions that make their businesses more competitive, resilient, and better for the environment.

If you are a fleet looking to reduce cost and environmental impact or a manufacturer of new vehicle technology Dynamon's tools can help you.

Keyword Search:

Artificial Intelligence, Connected & Autonomous Vehicles, Telematics, Vehicle Technology.

Stand Number:

UK Pavilion - 62502

Meet Our UK Exhibitors

Engineered Arts Ltd



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Company Bio:

Engineered Arts is the leading designer and manufacturer of human-like robots for human-robot interactions. Built for reliability and expressiveness our robots are used globally for entertainment, communication, marketing, research and development and education. With the future in mind, advanced sensors and a cloud-focused operating system make it easy to develop new AI and machine learning functions for the next generation of service robots.

For science centres, theme parks and businesses looking to attract a crowd and convey a message, our robots make for an experience that visitors, delegates and audiences will never forget.

Operating Markets:

Global.

Keyword Search:

Robotics, Research and Development, Education, Advertising, Marketing, Entertainment and Content.

Stand Number:

UK Pavilion - 62502

Epitomical Ltd



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 www.autorover.epitomical.com

Company Bio:

Epitomical develops Autonomous and Connected Mobility systems for robotic applications across multiple sectors.

Epitomical has led and participated in a number of publicly funded projects including those within the EU Horizon 2020 and Innovate UK frameworks. The company has diverse experience in the transport and emerging mobility sectors having developed and demonstrated automation of different types of vehicles as well as supporting infrastructure in various operating environments.

The company has recently launched its Autorover platform, an Autonomous Rover-class unmanned ground vehicle capable of addressing numerous applications.

Operating Markets:

Europe, India, Japan, UK.

Keyword Search:

Connected & Autonomous Vehicles, Mobility Services, Robotics, Smart Cities/Resilience, Vehicle Technology.

Stand Number:

UK Pavilion - 62502

Meet Our UK Exhibitors

Imperium Drive



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in www.linkedin.com/company/imperium-drive-ltd

Company Bio:

Imperium Drive is a UK based start-up launching a novel door-to-door personal mobility service that is as convenient as an Uber ride but at a fraction of the cost. The company offers the ability for a rental car to be booked for one-way trips and then delivered to the user's doorway within minutes using driverless remote driving technology (patented). The user then drives to their destination, leave the car and the car will valet park by itself. In other words, users can now become their own Uber drivers saving 50% on a typical ride.

Specialisms:

The major challenge in remote driving is ensuring vehicle safety on public cellular networks (4G/5G). Imperium Drive's IP is how to guarantee vehicle safety no matter how patchy the public network connection (patent pending).

Operating Markets:

UK.

Keyword Search:

Connected & Autonomous Vehicles, Mobility Services, Robotics, Smart Cities/Resilience, Telecommunications, Vehicle Technology, Wireless Power & Data Transmission.

Stand Number:

UK Pavilion - 62502

Innovate UK



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🐦 innovateuk

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Company Bio:

Innovate UK is the UK's innovation agency. We drive productivity and economic growth by supporting businesses to develop and realise the potential of new ideas, including those from the UK's world-class research base.

Specialisms:

We support innovation by providing funding and support to UK based organisations.

Operating Markets:

UK.

Keyword Search:

Business Growth and development services.

Stand Number:

UK Pavilion - 62502

Meet Our UK Exhibitors

Intellectual Property Office

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🌐 www.gov.uk/government/organisations/intellectual-property-office

🐦 @The_IPO

🌐 www.linkedin.com/company/uk-ipo/

Company Bio:

The Intellectual Property Office of the United Kingdom is the official government body responsible for intellectual property rights in the UK and is an executive agency of the Department for Business, Energy and Industrial Strategy.

Specialisms:

Granting IP rights to businesses trading in the UK and offering support to businesses to help them on their export journey.

Operating Markets:

Worldwide.

Keyword Search:

Public Policy/Government.

Stand Number:

UK Pavilion - 62524

Lupovis

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Company Bio:

Lupovis is an AI-based solution providing pro-active and offence-centric deception strategies for arresting attackers that have penetrated your network. The solution engages attackers through a sequence of collaborating decoys and lures them through the network using adaptive narrative and manipulation techniques, hence extending the time window to respond with the most effective countermeasures to arrest the breach, whilst maintaining operational integrity and in turn business continuity.

Keyword Search:

Artificial Intelligence, Cyber Security and Privacy, Smart Cities/Resilience

Stand Number:

UK Pavilion - 62502

Meet Our UK Exhibitors

Smart Audio Technologies Ltd



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Company Bio:

Smart Audio Technologies is an audio AI technology start-up that is aiming at eliminating background noise from voice communication across any digit device, thus enabling Clear Voice Without The Noise™. Our patent granted technology requires no training and eliminates ambient noise in real time thus delivering truly crisp and clear communication. We have developed the world's best self-adaptive noise elimination technology called SmartMute®, resulting in unprecedented clarity compared to noise reduction technologies. The technology requires minimal processing overheads, so this can be incorporated into numerous different devices. Manually muting and unmuting during calls will be a thing of the past.

Specialisms:

We are launching our flagship enterprise headset Smart Audio ESM-01 at CES 2022, targeting the “working from anywhere” users, call centre agents, corporate and enterprise professionals who will never have to worry about ambient noise or placing their call on mute again.

Keyword Search:

Advertising, Marketing, Entertainment and Content, Artificial Intelligence, Audio / High-End / High Performance, Cloud Services, Computer Hardware, Connected & Autonomous Vehicles, Interactive Products, Gaming, Research and Development, Robotics, Semiconductors, Sensors and Biometrics, Smart Home, Software and Apps, Telecommunications, Vehicle Technology, Voice interfaces, Virtual Reality and Augmented Reality.

Stand Number:

UK Pavilion - 62502

Triggo Dedicated Carrier Systems



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Company Bio:

Triggo combines the agility and mobility of a two wheeler with the safety and stability of a car. Via our patented variable axle technology Triggo adapts its width to suit the driving requirements of the user. At 86cm wide, our two-seater electric vehicles can scythe through congested traffic and park practically anywhere. At 145 cm wide the vehicle can safely transport two people cruising at up to 90km/h. These features make Triggo the most suitable first and last mile smart mobility solution for inner city travel.

Keyword Search:

Connected & Autonomous Vehicles, Mobility Services, Vehicle Technology.

Stand Number:

UK Pavilion - 62502

Meet Our UK Exhibitors

Westfield Technology Group

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Company Bio:

Westfield Technology Group is one of the UK's leading autonomous vehicle providers. Globally they are known for their niche sports cars with over 20,000 sold worldwide.

The Westfield POD is the UK's first fully autonomous vehicle for first mile – last mile transportation. The POD has been developed in conjunction with Heathrow Airport and utilises the base technology platform from the work completed by ULTra PRT (Personal Rapid Transit). The original system has now completed over 5 million kilometres in a live commercial environment serving Heathrow Airport Terminal 5 POD Parking.

Specialisms:

Westfield manufacture all the hardware and software for a complete driverless and pure electric solution. Westfield are complete vehicle and system integrators working in healthcare, automotive, marine and aviation sectors.

Operating Markets:

Worldwide.

Keyword Search:

Artificial Intelligence, Connected & Autonomous Vehicles, Digital Health, Research & Development, Robotics, Smart Cities/Resilience, Smart Home, Software and Apps.

Stand Number:

UK Pavilion - 62502

WSP UK

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Company Bio:

WSP is a professional services, design and engineering consultancy. Working across transport, infrastructure, industry, the environment and energy, we develop creative, comprehensive and sustainable solutions. Our global innovation programme, Future Ready, challenges our people design solutions ready for the future as well as today, which is critical for achieving a sustainable, resilient and prosperous society. As part of Future Ready, we are supporting public and private sector clients across the globe on Future Mobility, covering everything from the transition to zero emission mobility, and the emergence of connected and automated vehicles, to digitisation and emerging modes and business models.

Specialisms:

We take an evidential approach to Future Mobility, by understanding trends influencing transport. By being human and place-centric, we focus on desirable outcomes, not technology, thus supporting people, their activities and the places they visit.

Operating Markets:

Worldwide.

Keyword Search:

Connected & Autonomous Vehicles, Mobility Modelling, Mobility Services, Public Policy/Government, Smart Cities/Resilience.

Stand Number:

UK Pavilion - 62502

Innovate UK drives productivity and economic growth by supporting businesses to develop and realise the potential of new ideas.

We connect businesses to the partners, customers and investors that can help them turn ideas into commercially successful products and services and business growth.

We fund business and research collaborations to accelerate innovation and drive business investment into R&D. Our support is available to businesses across all economic sectors, value chains and UK regions.

Innovate UK is part of UK Research and Innovation.



For more information visit innovateuk.ukri.org

Company Profiles

3FINERY LTD



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Company Bio:

3FINERY LTD offers solutions across industries in the space of AR, VR and MR with expertise in Computer Graphics, Computer Vision, Machine Learning, Deep Learning and 3D Content authoring. Our proprietary software provides a novel way of interaction with the user's environment and can be easily integrated to already existing solutions. Our capability to bring the appearance of real objects to life is patent protected. We offer unique interactive experiences built around social media with transmedia virality as our core value proposition.

Specialisms:

Intermediated Reality: 3FINERY LTD brings objects to life seamlessly in Augmented Reality using unique patented technology.

Operating Markets:

Europe, UK, USA.

Keyword Search:

Advertising, Marketing, Entertainment & Content, Gaming, Software and Apps, UI/UX, Virtual Reality & Augmented Reality.

Stand Number:

61515

Company Profiles

AntennaWare Ltd

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Company Bio:

AntennaWare have developed a revolutionary antenna technology which will help facilitate the next generation of wireless wearable devices. Utilising years of wearable antenna design expertise and patented technology, AntennaWare's BodyWave antenna technology will provide wearable device manufacturers with next level wireless performance, helping support functionality in wearable applications thought previously impossible.

Keyword Search:

Wearables, Wireless Devices.

ARROE Ltd

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🌐 www.arroe.com



Company Bio:

ARROE software helps businesses reduce their carbon footprint and e-waste by better managing the lifecycle of company devices.

We offer free battery management apps iOS, Android (Chrome compatible), Linux, macOS, Windows, Wear OS, and watchOS that notify you when your devices are charged or need charging and help you extend the battery lifespan of your devices with optimised charging.

We sell a Smart Charging System that runs on our software through Amazon, Best Buy and Ingram Micro. It is the only charging solution that can safely charge any laptop using our voltage matching technology.

Specialisms:

Managing the lifecycle of portable electronics to reduce e-waste and carbon emissions.

Operating Markets:

UK, USA.

Keyword Search:

Software and Apps.

A culture of Innovation

The UK is at the forefront of a revolution. The UK's culture of innovation translates into world leading capabilities across a multitude of technology sub-sectors, from AI and IoT to Communications, Electronics and FinTech.

UK deep tech investment rose by 17% in 2020, the highest rate of growth globally.

It's an industry that's creating thousands of new and highly skilled roles, and simultaneously transforming the workplaces, capabilities and practices of more traditional sectors.

This culture of innovation and entrepreneurial ambition continues to propel the sector to exciting new heights. The UK is experiencing six years of continuous growth (and no signs of stopping) and new tech jobs being created 2.6 times faster than the rest of the economy. Wherever you look, it's evident the UK tech sector is really coming of age.



The UK is third in the world for impact tech investment. Investment has more than doubled since 2018 with an increase of

160%



UK was 5th greatest digital tech services exporter in the world in 2019

£23.3bn



UK digital tech services exports have risen by 25% from 2015-2019

25%



UK tech employs 2.93m people
40% growth in two years

2.94m

Company Profiles

BeeReal Holdings Ltd



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Company Bio:

We're BeeReal.

A user experience-driven software firm specialising in beautifully sleek web and mobile apps for today's market demands.

We build powerful applications to help customers evolve and rapidly shape their business, with strong focus on sustainability and accessibility.

Keyword Search:

Accessibility, Digital Health, Geospatial, Software and Apps, Voice interfaces.

Boompods Ltd



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Company Bio:

Boompods are an innovative design-led consumer electronics company. Established in 2012 we are now selling in over 30 countries through a partnership of distributors, retailers, B2B and B2C.

Operating Markets:

Austria, Belgium, Bulgaria, Canada, Chile, Columbia, Denmark, Germany, India, Ireland, Japan, Mexico, Philippines, Poland, Saudi Arabia, Switzerland, UAE, UK, USA.

Keyword Search:

Audio (High-End / High Performance), Lifestyle (Family, Beauty, Pet), Wireless Devices.

Company Profiles

CEH Technologies

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Company Bio:

We're an innovative manufacturer and designer of smart earbuds that enrich people's experience through the power of sound. Through our passion for innovation, music, communication and tech, we've developed unique, wireless solutions with live voice translation and finest sound quality to empower people, celebrate, create new experience.

Keyword Search:

Artificial Intelligence, Audio / High-End / High Performance, Fitness, Mobility Services, Telecommunications, Voice interfaces, Wearables, Wireless Devices.

Stand Number:

61735

Ceres Holographics

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Company Bio:

Ceres Holographics is a pioneer and leader in the design and manufacture of holograms and Holographic Optical Elements (HOEs) for next generation optical systems. It is currently actively providing full spectrum of system, hologram, and HOE design to customers and tier1 suppliers in the automotive, transportation, aerospace, construction, agriculture, and commercial vehicle markets exploring Augmented Reality Head Up Displays (ARHUD), holographic Transparent Displays (TD), and holographic lighting solutions for their next generation products. As well as these services the company also provides on a licence basis, its industrialised roll-to-roll replication technology that enables volume production on a cost-effective basis.

Specialisms:

Ceres specialism is its digital master printer technology which delivers key advantages over traditional recording techniques. These advantages are; design flexibility, software programmable compensation, faster design iterations, and broader range of recording wavelengths to deliver lower total system costs.

Operating Markets:

Asia, Europe, USA.

Keyword Search:

Connected & Autonomous Vehicles, Other Consumer Technology, Vehicle Technology, Virtual Reality & Augmented Reality.

Stand Number:

Texas Instruments Booth

Company Profiles

Circuit Mind

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Company Bio:

Circuit Mind is on a mission to inspire the next generation of hardware inventions. Today, we are building Artificial Intelligence that automates the design of electronics circuit boards, empowering engineering teams to develop high quality, electronic systems, lightning-fast.

Specialisms:

We develop Artificial Intelligence technologies that address the pain points of electronics design for hardware manufacturers. Our approach combines leading experts in algorithm, electronics and software engineering to develop an intelligent, scalable solution, which is intuitive to electronic engineering teams.

Operating Markets:

Europe, UK.

Keyword Search:

Artificial Intelligence, Business Growth and Development Services, Research & Development, Semiconductors, Sensors and Biometrics, Software and Apps.

Stand Number:

60740

Cycl Bike

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Company Bio:

CYCL is a UK based micromobility start-up championing safer urban mobility. We're about getting more people on two wheels and feeling safer and more confident when riding. We invented WingLights, the innovative bicycle and e-scooter indicating and position light system that mounts into handlebars. We've sold over 500,000 WingLights in over 30 countries and developed a range of WingLights fleet solutions. We also offer a range of innovative and modern accessories that focus on high visibility and combine safety with style.

Keyword Search:

Transportation/ Vehicle Technology, Sports Technology.

Company Profiles

Dutycast

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EtherSec Industries

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**Company Bio:**

Dutycast is a technology company with a vision to develop and apply technologies to solve cross-border trading.

We were selected to join the Global Entrepreneur Programme by DIT in 2020. In March 2020, we won the National Challenge by Enterprise Singapore (ESG) to develop an AI tool to automate HS classification for SATS, one of the largest logistic companies in Singapore.

We developed an AI shopping assistant for the e-commerce market in July 2021 and raised funding with one of the largest funders in South East Asia2, VinaCapital Venture.

Keyword Search:

Artificial Intelligence, Business Growth and Development Services, Mobile Payments / Digital Finance / E-Commerce, Software and Apps.

Company Bio:

EtherSec is a global leader in real-time video analytics for human intrusion, suspicious behaviour and Health and Safety detection. Our unique hardware and software approach allows us to develop a real-time video analytics solution which detects humans and only humans in dynamic and challenging surroundings with a high degree of accuracy and the lowest false alarm rate.

Keyword Search:

Artificial Intelligence, Location Data and Services, Sensors and Biometrics, Video, Wearables.

Company Profiles

Flusso Ltd



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Company Bio:

Flusso offers a complete digital flow sensing solution: to seamlessly integrate hardware and software with mechanical and fluidic components. Flusso's new flow sensor has been designed to provide total flexibility on how you configure and position the sensor within your application. It is a complete digital flow sensing solution for fast product development.

Keyword Search:

Drones, IoT/Sensors, Smart Cities and Resilience, Smart Home and Appliances, Vehicle Technology.

Stand Number:

63345

FuturePlus

FU⁺TURE PLUS

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Company Bio:

FuturePlus is an online sustainability self-management tool that transforms the way organisations understand and action their sustainability goals. Using one of the most comprehensive and wide-ranging impact measurement systems available, FuturePlus provides the opportunity for organisations to create a baseline and ambition score for their social and environmental impact, understand what the change they can achieve, and realise their potential with an easy to implement project plan and the timeframe in which it can occur. With access to specialist advisors throughout the process, organisations are also given the support they need to reach their goals on their own terms.

Specialisms:

We make sustainability accessible, achievable and affordable. Our industry-leading technology, enables you to understand your current sustainability, define your ambition over 3 years, provide a roadmap and guidance to make it easy to implement, and report improvement confidently to stakeholders.

Operating Markets:

Caribbean, Europe, UK, USA.

Keyword Search:

Software and Apps, Sustainability.

Company Profiles

GeoSmartPro Ltd



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Company Bio:

GeoSmartPro Ltd. is a British startup manufacturing smart home products, like their latest product, the UK's 1st AirGo Smart Fan and AirLit. All the products can be controlled via the GeoSmartPro App, allowing you to connect to your home seamlessly.

Keyword Search:

Smart Home.

Stand Number:

51853

Humanising Autonomy

HUMANISING
AUTONOMY

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Company Bio:

Based in London, Humanising Autonomy is changing the way machines understand humans. Its diverse team combines customer-centric product design, proven engineering methodologies and one of the largest proprietary human behaviour data sets to develop technology that can accurately and ethically understand and predict the way we behave. Powered by patented computer-vision models and adhering to strict ethical use of data, Humanising Autonomy's Behaviour AI platform offers usable insight, both in real time and for historical analysis to help customers make smarter business decisions. Humanising Autonomy is the proud recipient of the Queen's Awards for Enterprise: Innovation 2021, Together for Safer Roads Truck of the Future Award, and Forbes 30 Under 30.

Specialisms:

To ensure that automated systems are built around people, and not the other way around. Extracting observable and inferable behaviours from video data for intent predictions, using a combination of behavioural psychology, statistical AI and novel deep learning algorithms.

Operating Markets:

North America, Asia, Europe.

Keyword Search:

Artificial Intelligence, Cloud Services, Connected & Autonomous Vehicles, Dash Cam, Mobility Modelling, Smart Cities/Resilience, Vehicle Technology.

Company Profiles

Immense.ai



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Company Bio:

Immense is a simulation company improving decision-making capability across the transport ecosystem. The company's mobility decision-support platform uses digital worlds, simulation, and data analytics to enable partners to test and refine new transport solutions rapidly. The platform is trusted by global partners across automotive manufacturers, fleet operators, transport authorities, infrastructure operators, and energy providers dealing with complex and uncertain mobility futures.

Specialisms:

Immense specialises in providing web-based transport modelling applications that are easy to use, providing actionable answers in minutes, and immediately supporting global business decisions.

Operating Markets:

Worldwide.

Keyword Search:

Connected & Autonomous Vehicles, Mobility Modelling, Mobility Services, Smart Cities/Resilience, Software and Apps.

Kigen UK Ltd



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🌐 www.kigen.com

Company Bio:

At Kigen, we are making the future of securing connectivity simple. As simple as can be. Together with our partners and customers, we are at the forefront of unlocking a new era of secure IoT as Integrated SIM (iSIM) and eSIM become mainstream choice for connected devices. Our industry-leading SIM OS products enable over 2 billion SIMs. Our GSMA certified remote SIM provisioning and eSIM services drive this momentum further placing us amongst top 5 SIM vendors globally. As an Arm founded company, now under Softbank, we bring an ecosystem approach to driving innovation and collaboration.

Keyword Search:

Cloud Services, Cyber Security and Privacy, Mobile Payments / Digital Finance / E-Commerce, Semiconductors, Telecommunications, Wireless Devices, Wireless Services.

Company Profiles

Marine AI

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Markr Labs Ltd.

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Company Bio:

Marine AI is creating cognitive artificial intelligence to enhance maritime capabilities by drawing on decades of experience in manned and unmanned marine vehicle design, manufacture and operations, coupled with vast experience in automation and autonomous systems software architecture, and computer vision expertise.

Specialisms:

Marine AI is 'Explainable AI'; every decision is transparent, auditable and able to be interrogated on-the-fly. It is built upon IBM's powerful Operational Decision Manager ODM software – the same software relied upon daily for mission- and business-critical decision making. Clients can be assured of a robust, dependable, fail-safe solution to vessel automation.

Operating Markets:

United Kingdom, USA, Canada, New Zealand.

Keyword Search:

Artificial Intelligence, Connected and Autonomous Vehicles, Robotics, Software and Apps, Vehicle Technology.

Company Bio:

Markr is a ubiquitous augmented and mixed reality platform that allows businesses/brands and consumers to create, interact and share geo-located AR content.

Markr can be shared in the form of multi-dimensional content such as 3D images, video and text.

Markr can be discovered only on reaching the location where the content was initially intended to be discovered.

Just imagine Pokemon Go! But with content created by people, cities and brands.

Keyword Search:

Advertising, Marketing, Entertainment and Content, Virtual Reality and Augmented Reality.

Company Profiles

Matchbox Mobile

MATCHBOX

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Company Bio:

Development house and digital agency, founded 2005, based in UK and Seattle. 25 FTEs, designers, consultants, PMs, developers, testers. Designing and building software systems from scratch; product strategy; technology-focused R&D; design sprints; market analysis.

IoT – smart home, smart vehicles, smart buildings; Mobile – Android, iOS, Flutter, React Native, Xamarin; Voice & Chat – Google Assistant, Alexa, smart home, media, games; Cloud – AWS, Azure.

Specialisms:

To ensure that automated systems are built around people, and not the other way around. Extracting observable and inferable behaviours from video data for intent predictions, using a combination of behavioural psychology, statistical AI and novel deep learning algorithms.

Operating Markets:

North America, UK, Europe, Asia.

Keyword Search:

Cloud Services, Research & Development, Software and Apps, UI/UX, Voice Interfaces.

Mindtech Global Ltd



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🐦 MindtechG

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Company Bio:

Mindtech Global is the developer of Chameleon, the world's leading end-to-end 'synthetic' data creation and curation platform for the training of AI vision systems. The platform is a step change in the way data for training AI vision systems is created, with a focus on helping computers understand and predict human interactions in applications ranging across retail, smart home, healthcare and smart city.

Specialisms:

The Chameleon platform enables data creation in a low/no-code manner. We focus on human activities and interactions to give the data scientist access to the real-world, photo realistic, data they need, faster than any other solution.

Operating Markets:

Europe, Japan, Korea, Taiwan, USA.

Keyword Search:

Artificial Intelligence, Robotics, Smart Cities/Resilience, Software and Apps.

Stand Number:

61516

Company Profiles

Moochies Trading Ltd

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✉ ryan@moochies.com

🌐 www.moochies.com

Company Bio:

Moochies is a sim connected smartwatch for kids. Starting in 2019 in the UK, the device is now on sale in Australia, USA, New Zealand and the Netherlands. Looking to expand our global footprint of distributors and retailers.

Operating Markets:

Australia, the Netherlands, New Zealand, UK, USA.

Keyword Search:

Fitness, Lifestyle (Family, Beauty, Pet), Other Consumer Technology, Telecommunications, Wearables.

Stand Number:

54850

Movetru

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🌐 www.linkedin.com/company/movetru

Company Bio:

Movetru is the home physio for anyone, anywhere.

With key health data to reduce injury rate and recovery time, we will help to take your potential to the next level.

With Movetru's wearable technology, you will be provided with a full-body reboot, coupled with individualised information which will optimise your performance, reduce injuries, and expedite injury recovery.

Our goal is to increase customers' quality of life by minimising pain and maximising health.

Keyword Search:

Digital Health.

Company Profiles

Nepox Ltd

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Company Bio:

Nepox provides state of the art solutions giving customers the capability to create a 3D body scan simply with their smartphone, incorporating their real world into a virtual world.

Our advanced solutions offer both the virtual fitting room and the virtual stylist to customers as a means of reducing the return rate and increasing the sales volume of online shopping.

Nepox solutions have developed a way to expand the benefits of traditional brick and mortar shopping experiences into the virtual world with AR or VR possibilities.

Keyword Search:

Artificial Intelligence, Computer Hardware, Research and Development, Software and Apps, Telecommunications, Virtual Reality and Augmented Reality, Wearables.

Nuuk Digital

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Company Bio:

Nuuk supports growth of start-ups worldwide and helps maximise returns on their marketing spend. We have helped raise over \$80 million on crowdfunding campaigns and have helped scale international companies' e-commerce efforts.

Our clients have won numerous CES, Red Dot and other Hardware & Design awards and we are so lucky to be part of their growth. We have also been recognised and won several international marketing awards, Effective Digital Marketing Award for Best Integrated Campaign in 2019 and UK Agency Award for Best New Business Campaign in 2018 are just the most recent ones.

Specialisms:

Nuuk helps clients find the ideal product, market fit and launch their products online. At later stages, Nuuk support clients' growth while maximising their returns.

Operating Markets:

Canada, China, Europe, Hong Kong, Japan, UK, USA.

Keyword Search:

Business Growth and Development Services.

Company Profiles

Olvin



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Company Bio:

Olvin is an AI-driven business intelligence platform for the retail, real estate and hospitality sectors. Using the latest advances in machine learning, we analyse billions of data points to predict offline consumer demand. This helps businesses take data driven decisions to optimise labour, plan assortment and improve site selections. This intelligence is accessible in the form of actionable and meaningful insights in our self-service web application called Almanac.

Specialisms:

Olvin specialises in three key use cases; labour optimisation, assortment planning and site selection. Our plug and play platform Almanac provides the right tools to take instant data driven decisions at a disruptive price.

Operating Markets:

USA.

Keyword Search:

Artificial Intelligence, Business Growth and Development Services, Geospatial, Location Data and Services, Software and Apps.

OrxaGrid



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Company Bio:

We have developed a platform that gives users more insights into their energy systems than ever before. OrxaGrid helps companies optimise their assets, reduce energy losses and reduce CO2 emissions. We envision an ultimate transformation of energy systems into predictive, intuitive, and responsive systems. Our solutions leverage the power of IoT sensors, artificial intelligence and industry-specific knowledge that deliver value to grid operators, energy generators and energy consumers immediately.

Specialisms:

Energy optimisation algorithms that are trained on 30+ years of proprietary, real world asset and energy data, validated by leading AI universities.

Operating Markets:

Europe, India, UK.

Keyword Search:

Sustainability.

Company Profiles

Parkopedia

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Parkopedia

Company Bio:

Parkopedia is the leading connected car services provider used by millions of drivers and organizations such as Audi, Apple, BMW, Ford, Garmin, GM, Hyundai Kia, Jaguar Land Rover, Mercedes-Benz, Peugeot, Sygic, TomTom, Toyota, Volkswagen, and many others. Parkopedia helps drivers find and pay for parking, EV charging, fuelling and tolls in 15,000 cities across 89 countries. Parkopedia is also developing highly detailed parking maps and corresponding algorithms to help drivers and self-driving vehicles navigate to an open parking space indoors.

Specialisms:

Parkopedia specialises in providing static/dynamic parking and EV charging data, plus aggregated vehicle-centric transactions services to auto manufacturers, navigation and mapping companies, last-mile providers and more. We also create high-definition maps for autonomous valet parking systems within vehicles.

Operating Markets:

Worldwide.

Keyword Search:

Cloud Services, Connected & Autonomous Vehicles, Mobile Payments/Digital Finance/E-Commerce, Mobility Services, Vehicle Technology.

PitPat

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in www.linkedin.com/company/9389294/admin/

**Company Bio:**

PitPat is the UK's leading pet wellness brand and you may know us for our award winning activity-monitor for dogs. At the show we will be launching a new GPS tracker product with several world firsts - no subscription and 6 month+ battery life. We proudly manufacture our products in the UK.

Specialisms:

We make the UK's #1 dog activity monitor with an industry leading battery life of over 1 year, the most of any wearable.

Operating Markets:

UK, Denmark.

Keyword Search:

Digital Health, Fitness, Lifestyle (Family, Beauty, Pet), Location Data and Services, Other Consumer Technology, Sleep & Wellness Technologies, Software and Apps, Telematics, Wearables.

Stand Number:

54929

Company Profiles

PolyDigi Tech Ltd

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Company Bio:

We are a global innovative cybersecurity company inspiring change by breathing new life into digital security with an air of convenience and sensibility.

Available for a low cost, our easy to integrate solutions provide an extra layer of protection for your online services with UK patent-pending revolutionary contactless biometric authentication and USA patented comparison and matching technologies.

Specialisms:

We have developed state-of-the-art technologies better than the existing virtual identity solutions and cyber security e.g to replace SMSOTP, soft token; hardware token and biometric.

Operating Markets:

India, Japan, Scotland.

Keyword Search:

Cyber security, Fintech, IOTA, Concept Car.

Redev Technology Ltd

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Company Bio:

Redev Technology, works with industry leaders around the world to contribute our knowledge and passion to their Digital Transformation path. We focus mainly on the Energy, Oil & Gas, Manufacturing and Telecom markets. We offer the extensive worldwide experience of our team around digital transformation of industries, along with in-depth skills on topics like:

- Digital products and solutions design
- Field assets data collection and analysis
- Image Analysis/Computer vision using Deep Neural Networks and Transformers
- Predictive Analytics and Anomaly Detection
- Cognitive analytics, NLP/NLU/NLG

Specialisms:

We've developed FogSphere, an enterprise-grade Edge AI and Computer Vision platform with multi-awarded computer vision models.

Operating Markets:

Europe, Middle-East, UK, USA.

Keyword Search:

Artificial Intelligence, Research & Development, Robotics, Smart Cities/ Resilience, Software and Apps, Technology Transfer.

Stand Number:

9737

Company Profiles

Safetray Products Ltd (TA. G-Hold)

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in www.linkedin.com/company/g-hold

Company Bio:

G-Hold are UK manufacturers specialising in ergonomic accessories for mobile devices, supporting musculoskeletal and postural health in hybrid working and learning environments.

Keyword Search:

Digital Health

Stand Number:

19286

Sancloud

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🐦 @sancloud

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Company Bio:

SanCloud helps manufacturers and industrial equipment operators to boost productivity, lower operating costs, reduce waste, cut CO2 emissions and improve customer experience by leveraging the Internet of Things (IoT). Customers can deploy SanCloud's IoT solutions within their manufacturing operations or as an enhancement to the products they use or supply – empowering your teams or your customers with real-time data, new insights and control. We possess a unique blend of real-world business understanding coupled with the embedded hardware and software expertise to design, connect and deliver all the necessary elements of a device to dashboard turnkey IoT solution.

Specialisms:

- SanTrack IoT device-to-dashboard solution
- SanCloud BeagleBone® Enhanced Single Board Computer (SBC) range
- Integrating devices and sensors to capture and securely transmit data to the cloud
- Design and supply of IoT devices, gateways and sensors
- IoT device and data security
- Industry-standard machine, vehicle and wireless communication protocols
- Data visualisation
- Open Source Initiative and Open Source Hardware
- Automotive Grade Linux (AGL)

Operating Markets:

Worldwide.

Keyword Search:

Connected & Autonomous Vehicle, Computer Hardware, Software & Apps.

Company Profiles

Say It Now Ltd.



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🌐 www.sayitnow.ai

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🌐 www.seesense.cc
🐦 [@seesense_cc](https://twitter.com/seesense_cc)
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Company Bio:

Say It Now is an award-winning interactive voice advertising platform and creator of the Actionable Audio Ad. The ads play on smart speakers and allow listeners to ask for information and make purchases by asking the voice assistant directly. Say It Now was one of the ad and tech firms behind the ads running on Alexa for Bayer's Berocca Boost vitamin tablets. The ads dynamically inserted into streaming radio via Alexa included a call to action to activate an Alexa skill offering information and direct purchase by voice through existing Amazon shopping accounts.

Specialisms:

Interactive voice advertising and conversational audio experiences allow brands to build an audience in Alexa, Google, and other intelligent speaker environments.

Operating Markets:

Africa, Canada, Europe, India, Ireland, South Pacific, UK, USA.

Keyword Search:

Advertising, Marketing, Entertainment & Content, Artificial Intelligence, Cloud Services, Other Consumer Technology, Software and Apps, Voice Interfaces.

Company Bio:

See.Sense is an award-winning cycling technology and data company, that is on a mission to make cycling safer and smarter. We design innovative, connected products that improve the cycling experience, while crowd-sourcing sensor data including road surface condition, collisions and routes in near real-time. This creates a mobile sensor network platform that generates never before seen data for cities. Our products include consumer bike lights, theft tracking devices, as well as shared bikes/scooter integration.

Keyword Search:

Artificial Intelligence, Connected & Autonomous Vehicles, Location Data and Services, Telematics, Vehicle Technology.

Stand Number:

EIC/EU Pavilion

Tech hubs

While the UK technology industry has a global outlook, it's also true many tech companies are thriving due to the strength and advantages of their own local clusters.

These create different kinds of partnership, but ones where idea sharing, concentration of skills and research, and minimal travel time are helping these dynamic 'ground-up' enterprises to thrive and grow.

From seaside towns to major industrial cities, areas of tech excellence have developed all across the UK, often down to local factors such as the presence of an academic institution or historical strengths in particular economy sectors.



Media City in Salford Quays, Manchester, England



London raised more VC investment than Paris, Stockholm, Berlin and Tel Aviv combined in 2020, dominated by fintech.



The UK remains the premier destination in Europe for investment. On a cumulative basis over the past five years, the total amount of capital invested in UK tech companies has nearly reached \$75B.

This is more than double the amount of capital invested in the second and third largest countries; Germany and France.

1 Billion

The UK is the first country in Europe and the third globally to have reached the milestone of 100 tech unicorns, with 29 unicorns being created in 2021 alone. The number of UK tech unicorns now stands at 115, which is more than Germany, France and Sweden combined.

Company Profiles

Signature Rail Ltd



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🌐 www.signaturerail.com

🐦 @SignatureRail

Company Bio:

Based in York, UK. We're a software and tech company serving rail operators around the world.

We're part of the Modaxo Group www.modaxo.com which focus on transportation software.

Specialisms:

Decision science software to manage train+crew scheduling and planning; service disruption on the day of operations and driver advisory software. Specialists in algorithm-based optimisation covering train diagrams, crew schedules, train energy consumption and traffic flow through junctions.

Operating Markets:

Australia, Canada, Norway, Sweden, UK, USA.

Keyword Search:

Artificial Intelligence, Software and Apps.

Social Reputation Ltd



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🐦 @sociallenderng

in www.linkedin.com/company/sociallender/

Company Bio:

Social Reputation Ltd is a Digital Financial Service startup positioned to positively impact the lives of millions of people. It uses an Innovative Model (Social Reputation Scoring) to extend access to formal financial services to the under-banked and un-banked.

Fair and transparent access to affordable credit - Social Reputation uses its own proprietary algorithm to perform a social audit of the user on mobile, on social media, offline, online and other related platforms and gives a Social Reputation Score to each user. Financial Services are guaranteed by the user's social profile and network.

Keyword Search:

Accessibility, Artificial Intelligence, Mobile Payments / Digital Finance / E-Commerce, Sustainability.

Company Profiles

Starscream Communications Ltd



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Company Bio:

Starscream Communications is a PR agency for consumer and pro audio audio brands based in London.

With established media relationships and the ability to know what makes a great story, Starscream Communications provides major league coverage in an increasingly crowded and competitive media space.

We've helped Abbey Road Studios, Marshall Headphones, Audio-Technica, Cambridge Audio, Naim Audio, Focal, Q Acoustics, IsoAcoustics, X by Kygo, Meze Audio, QED, Rock Archive, Pono by Neil Young and many more.

Specialisms:

We are the only dedicated audio PR agency in the UK and work with global brands. We have a team of experts, ex-journalists and PR professionals that means we can provide bespoke services to technology brands, studios and streaming services.

Operating Markets:

Canada, France, Japan, Sweden, UK, USA.

Keyword Search:

Advertising, Marketing, Entertainment & Content, Audio/High-End/High Performance, Branding, Other Consumer Technology.

StreetDrone



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 info@streetdrone.com

 www.streetdrone.com

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Company Bio:

StreetDrone is a leading developer of autonomous technologies and first mile / last mile logistics vehicles, developing the StreetDrone Pix-E Delivery Vehicle and StreetDrone yard tractor.

Headquartered in Oxford, UK, we were the first company in the world to offer subscription-based autonomous driving software, and the first in Europe to run an "open-source" autonomous vehicle on the road through Project Aslan.

We are passionate about our technology, our customers and the benefits to society that autonomy can bring. We continue to develop technology that lowers the cost of autonomy, while making it safe, efficient and sustainable.

Specialisms:

StreetDrone develops autonomous last mile and first mile delivery solutions, having received investment from high street retailer WWH to develop the Pix-E Delivery Vehicle and partnering in the UK government funded 5G CAL project to develop a 5G-CAV 40-tonne truck.

Operating Markets:

Worldwide.

Keyword Search:

Connected & Autonomous Vehicles, Mobility Services, Robotics, Vehicle Technology.

Company Profiles

The Insights Family

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🐦 @InsightsFamily

in www.linkedin.com/company/the-insights-family/

Company Bio:

This generation of kids, parents, and families are like no other. They are constantly connected, living in a world with unparalleled choice. With the welcomed changes in legislation to provide kids, parents, and families with greater protection, a generation of marketers were left without access to real-time, independent data to make informed decisions. Not only do we look to solve this problem, we look to build a series of tools to help improve ROI across our clients businesses.

Specialisms:

Using not only our proprietary data, we use data science and machine learning algorithms – enabling clients to identify global, regional and local trends.

Operating Markets:

Australia, Brazil, Canada, China, France, Germany, India, Indonesia, Italy, Poland, Japan, Mexico, The Philippines, Russia, South Korea, Spain, UK, USA.

Keyword Search:

Advertising, Marketing, Entertainment & Content, Business Growth and Development Services, Education, Research & Development, Software and Apps.

Stand Number:

UK Pavillion - 62524

Tremendoc Ltd

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Company Bio:

Tremendoc started its operation in 2019 in Nigeria and has recently moved it's headquarters to the UK through the GEP. In the past 1 year, Tremendoc has successfully completed over 200,000 consultations through its mobile application available on the Google Play Store or Apple store, which allows users get basic consultations 24/7 from board certified doctors available on the mobile app.

Keyword Search:

Digital Health.

Company Profiles

UK Export Finance

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Company Bio:

UK Export Finance (UKEF) is the UK's export credit agency. We support UK exporters, international project sponsors and buyers of UK goods and services. We also work with banks to provide flexible, innovative, and competitive financing solutions.

Operating Markets:

Worldwide.

Keyword Search:

Public Policy/Government, Sustainability, Business Growth and Development Services.

Ultra Leap

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Company Bio:

Ultraleap's world-leading hand tracking and unrivalled mid-air haptic technologies allow you to engage with the digital world naturally - without touching surfaces. No touchscreens. No controllers. No keypads. No surfaces. From enhancing 2D screens to developing fully immersive 3D experiences, Ultraleap powers natural, safe, and effortless digital interaction in the increasingly connected world.

Ultraleap employs more than 150 people across Europe, North America and Asia. It has become the first to offer the full vertical stack of software and hardware to enable spatial computing for the XR, out-of-home (OOH) and kiosks and automotive sectors.

Specialisms:

The world's most advanced hand tracking, developed over 10 years and the world's only mid-air haptic solution. With these two technologies, Ultraleap is removing the boundaries between physical and digital worlds.

Operating Markets:

Europe, North America, Asia.

Keyword Search:

Advertising, Marketing, Entertainment and Content, Gaming, Interactive Products, Vehicle Technology, Virtual Reality and Augmented Reality.

Stand Number:

San Polo 3502

Company Profiles

what3words

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 www.what3words.com
 [@what3words](https://twitter.com/what3words)
 www.linkedin.com/company/what3words/

what3words

Company Bio:

what3words is an easy way to talk about precise locations. Every 3 metre square has been given a unique combination of three random words: a what3words address. Now you can find, share and navigate to precise locations using three simple words. A what3words address can be found using our free app or map site. It is used by millions of people around the world to make life safer, more efficient and less frustrating. Thousands of businesses use what3words to improve efficiencies and customer experience – from e-commerce and logistics companies to travel, ride-hailing and navigation apps. We're providing the location precision and simplicity needed by drones, voice-controlled devices and driverless cars.

Specialisms:

what3words uses 3 words to make it simple for people and businesses to communicate precise locations.

Operating Markets:

Worldwide.

Keyword Search:

Location Data and Services, Smart Cities/Resilience, Vehicle Technology.

Stand Number:

3255

ZPN Energy

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zpn energy

Company Bio:

ZPN® is a leading British, fast-growing Energy Technology (EnTech provider headquartered in Coventry (UK) that design, develop and produces infrastructure technologies to win the fight against climate change. ZPN® contributes to a zero-carbon society as it propels the use of self-reliant, sustainable solutions and promotes a culture for cleaner air and healthier lives. ZPN® owns a unique intellectual property portfolio within its integrated energy management systems. The technology utilises a disruptive approach, turning the standard Grid into a Smart Grid by making use of IoT and machine learning to integrate data and physical assets.

Specialisms:

Smart Energy Management systems, Industrial and Urban Solutions, House Energy Management systems, Business Energy Management systems, Static and Rapid/Ultra rapid chargers, Mobile rapid and ultra-rapid chargers, Fleet and public transport, Electric Vehicle Information Exchange, Smart Cities, Smart Infrastructure.

Operating Markets:

United Kingdom.

Keyword Search:

Computer Hardware, Smart Cities/Resilience, Smart Home, Software and Apps, Sustainability.

UK Success Stories

Alchera



Alchera Alpha Powers Dynamic Maintenance Planning for Europe's Busiest Highway

Alchera specialises in enabling transport network operators to make data-driven decisions, substantially increasing the value of operating large-scale transport assets.

Using its cloud-based, proprietary AI software platform 'Alpha', Alchera unlocks data-driven decision making across transport and mobility operations by giving absolute, real-time and predicted data on vehicle and pedestrian movements around cities and major infrastructure including stations, airports, ports and roads.

For the M25 operating group Connect Plus, planning maintenance on large-scale road infrastructure was challenging to organise & undertake as it restricts capacity on significant transport corridors at regular periods of time.

Through a series of deployment workshops, Alchera worked hand-in-hand with Connect Plus maintenance & scheduling teams to deeply understand user challenges and integrated Alpha to enable an automated maintenance scheduling solution without the need for additional hardware.

Using Alpha, Connect Plus now dynamically plans their maintenance windows, significantly reducing disruption and maximising cost margins, resulting in \$M quarterly savings.

BlueSkye



B-Social - AI you can trust

BlueSkye AI offers organisations access to their B-Social SDK to integrate into their own platforms to improve understanding of their users and customers. B-Social will be officially launched at CES 2022 in Las Vegas, US. However a customised application of the product is already deployed in production in the Social Robotics Industry. B-Social provides unique face and voice sensing and analysis technology built upon Valstar's "Behaviomedics".

B-Social is the essential ingredient for those organisations who seek to make human their digital and virtual relationships with customers.

A BlueSkye AI customer has integrated the technology into their interactive platform and has provided this endorsement:

"BlueSkye AI provides an integral component to our product. Their unique face sensing and analysis technology directly enables personalisation between our product and its users."

UK Success Stories

Bohemia Automation



Energy Power Storage Management for EVLO Energy by Hydro Quebec

Bohemia Automation created a solution for EVLO Energy and Hydro-Quebec using EVA ICS to manage and monitor the distributed grid of high-capacity energy batteries for various types of power plants.

The platform allows the customers to build highly-secure, isolated private clouds and quickly extend them on demand, which is very important for high-energy sector solutions.

Working in high-energy distribution and storage, EVA ICS has proved its amazing reliability and security for mission-critical tasks.

Customers' engineering teams emphasize that EVA ICS is very flexible, easy-to-use and obviously one of the best solutions available on the Cloud-SCADA market.

"EVA ICS is a platform for Industrial IoT setups, which allows to create secure private clouds, exchange data between nodes in real-time, quickly create interfaces and apply cloud logic on events. It also brings the IaC paradigm into the IIoT world for DevOps, providing tools to quickly setup and integrate similar configurations."

Serhiy Symonenko,
CTO, Bohemia Automation

Engineered Arts Ltd



Mesmer brings Indian figures back to life

The very first Mesmer installation back in 2017 brought a very prominent historic Indian figure back to life. Sai Baba of Shirdi along with two of his closest disciples has wowed thousands of guests at Sai Teerth, Shirdi in a spectacular light and sound stage show, culminating in an appearance and performance by the three robotic figures.

The installation of the life-like figures drove Engineered Arts to continue developing the Mesmer technology to new levels of human-like motion and interaction. Later, the same customer took delivery of an updated Mesmer system, this time depicting Dr Abdul Kalam, former Prime Minister of India.

Now, the Mesmer technology has taken a further advance in the release of our Ameca robot which has taken social media by storm.

"The Engineered Arts team is always there at a moment's notice. We look forward to continuing our association with them in India."

Sanjay Dabke,
Director, Guardian Media and Entertainments

UK Success Stories

Innovate UK



Boosting innovation in CAM in the UK

The UK has been at the forefront of global CAM innovation since 2014, with a comprehensive programme between industry and government to support innovation, regulation and ensuring the safety and security of connected and autonomous vehicles. Innovate UK, the UK's innovation agency, is tasked by the UK Government to boost great innovation across the economy.

Transport, including the transition to net zero and Connected and Autonomous Mobility is at the heart of Innovate UK's innovation funding, where we provide funding and support to business from all sectors to create the products and services of tomorrow.

We work with our partners, such as the Centre for Connected and Autonomous Vehicles (CCAV) and CAM Test Bed UK, the UK's network of CAM testing and validation facilities and eco system.

Find out more about how we can help you at www.innovateuk.gov.uk "The UK has a strong and diverse CAM eco system to support, fund, partner and grow connected and autonomous solutions. UK companies are ready to work with international partners developing and deploying CAM solutions and services."

Neale Ryan,
Senior Programme Manager, Innovate UK

Lupovis



Cyber-Deception to Detect in Network Threats

Lupovis is used by companies in manufacturing, healthcare, IoT, transport, and power to protect their crown jewels from attackers. By deploying decoys within their network, IoT and cloud infrastructures, they lure attackers to reveal themselves within minutes and without friction, instantly alerting security teams of a breach without any false positives. Decoys deployed outside of the network on the other hand provide security teams with a complete picture of techniques tactics and procedures used by attackers as well as context such as who, where from, what and how. This threat intelligence information can subsequently be used by security teams and C-level management for budgeting security requirements.

"Our system uses artificial intelligence to create scenarios which mirror the existing infrastructure of an organisation and engages the attacker into believing they are progressing towards assets of value, turning networks from a flock of sheep to a pack of wolves. The benefits are uninterrupted business continuity, whilst simultaneously gathering information on the attacker's skills and strategies that inform security teams of the optimum counter-measure that arrests the breach."

Xavier Bellekens,
CEO, Lupovis

UK Success Stories

Marine AI



Development of AI/ML Based Autonomy for Safe Navigation at Sea – the Mayflower Autonomous Ship

The Mayflower Autonomous Ship (www.mas400.com) is a grass roots initiative led by marine research non-profit, ProMare, with support from IBM and a global consortium of partners. Working in tandem with oceanographers and other vessels, MAS400 provides a flexible, cost-effective and safe option for gathering critical data about the ocean and climate.

It is capable of spending long durations at sea carrying scientific equipment and making its own decisions about route and mission safety and optimization.

SD Labs



French Research Institute CEA-List invests in SD Labs' CAV Platform

CEA-List, the French Alternative Energies and Atomic Energy Commission (CEA) Institute, acquired the autonomous SD Twizy as part of “Carnauto” project, a network of nine major stakeholders in French public research certified by the French National Research Agency, helping CEA-List’s researchers to develop and deploy advanced technologies for Connected and Autonomous Vehicles (CAVs).

CEA-List R&D programmes address major economic and societal challenges in areas such as artificial intelligence, industry of the future, cyber-physical systems and digital health. In the mobility field, CEA-List is developing safe, secure, sustainable CAV solutions and has extensive expertise in developing and validating: hardware and sensor architectures; perception algorithms and sensor fusion technologies and localization, navigation, and decision-making functionalities.

The autonomous-ready vehicle, equipped with sensors, drive-by-wire and compatible with open-source self-driving stacks such as Project Aslan, will help researchers develop and test advanced technologies for driver-assistance based on environment perception algorithms.

“CEA-List developed a modular, flexible, efficient centralised, service-oriented architecture, compatible with most existing automotive sensors and actuators such as those equipping SD Labs’ autonomous-ready vehicle. We look forward to expanding our collaborations and new projects, building off the solid base provided by SD Labs’ vehicle.”

Alexandre Bounouh,
CEA-List CEO

UK Success Stories

StreetDrone



Wilko invests in StreetDrone, bringing autonomous deliveries to the highstreet

In September 2021 Wilko announced a major investment in the UK's leading autonomous delivery company, StreetDrone, as a core element of Wilko's long-term strategy to strengthen its omnichannel model, in line with the ever-changing customer behaviours that have been accelerated during the pandemic.

The investment will enable StreetDrone to accelerate the development of its autonomous delivery vehicle and systems, bringing reduced costs to retailers and consumers.

Wilko's ambition is to ultimately provide customers with access to new digitally-enabled services, including autonomous retail deliveries, that will enhance their experience and make it easier for them to access the products they need for homes and gardens.

StreetDrone is aiming to deploy driverless delivery vehicles on the UK's roads by the end of 2023 and is working with UK- and European-based vehicle safety agencies on defining the standards by which these technologies will be allowed to operate on public roads.

"Autonomous vehicles are the future of automated logistics, and StreetDrone is undoubtedly one of the key players that will lead the way in making this technology viable, putting the UK on the map in developing this type of game-changing technology."

Jerome Saint-Marc,
CEO, Wilko

WSP



Connected and Automated Vehicle Road Scoring Index

The majority of the vehicles on our roads today are connected in some form to the outside world. We've also seen the automation of various driving functions to assist the driver in the driving task. But now we are seeing innovations which bring together the ability to reliably connect with advanced automated functions to take control of the driving task and move us – at speed – towards the self-driving future that maximises safety, efficiencies and benefit to the environment. But what does all this mean for highway authorities – balancing road safety, journey times, budget constraints and uncertainty about the requirements of these innovative vehicles.

The Connected and Automated Vehicle Road Scoring Index is a framework WSP has created to assess the suitability of a road's physical and digital infrastructure from the perspective of a connected and automated vehicle – providing an indication of readiness and enabling effective planning.

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Department for
International Trade

The UK's Department for International Trade (DIT) helps businesses export, drives inward and outward investment, negotiates market access and trade deals, and champions free trade.

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