DIT Tech Export Academy

Cohorts Company Profiles

TECHNOLOGY IS GREAT

BRITAIN & NORTHERN IRELAND

Cohort Avalon

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13. **Yoti**

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Alchera Technologies

REAL-TIME MOBILITY DATA

Company Technology & Service Overview

Alchera's cloud-based AI software, Alpha, powers enterprise-grade intelligent mobility and intelligent infrastructure applications.

It provides operators and commercial users of road infrastructure with absolute, real-time data on vehicle and pedestrian movements around cities and major infrastructure at extreme scale.

Alpha operates with greater coverage, lower cost and with greater reliability than any existing solutions, by fusing together existing sensor networks (e.g., CCTV, IoT, mobile, connected car, etc.) to build an enriched comprehensive single data feed and delivering first-of-a-kind City Scale, Real-Time Digital Twins.

Make your operations intelligent. Get in touch today.

Existing Customers:	Network Rail | Eurostar | Cisco | Transport for London
Existing Export Markets:	
Targeted Export Markets	**Asia - Pacific**
Targeted Sectors	Transport | Infrastructure
Website	www.alcheratechnologies.com

Year Established	**2014**	**Business Type:**		**B2B**
Version Date	November 2020			

Contact Details

Alchera Technologies

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www.alcheratechnologies.com

ASH Projects

THINK BIGGER

Company Technology & Service Overview

ASH is here to help you **think bigger**.

About your space – and how it could be working better for you. About your teams – and how you can empower them to make the small decisions that add up to huge savings and improvements in user experience. And about your strategy – with data-driven insight that empowers you to innovate, identify opportunity, pivot and stay ahead of the curve. And our fully managed service offer means it's a hands-off experience for you. Our in-house field services, technical services, project management and consultancy teams work hand-in-hand to deliver seamlessly, using proprietary processes that we have developed over decades.

When you partner with ASH, you empower your business.

Empower your space

We design and roll out the technical infrastructure that empowers your building to think for itself. Have your spaces know when they're nearing capacity. Or when staff are needed. Or when facilities need to be cleaned. Or queues need to be managed. Free up your teams and let the technology grow the value of your space.

Empower your teams

Have your system feed real-time data to your front-line teams, allowing them to take action and allocate resource. Empower your teams with information and trust – and watch customer experience and team loyalty flourish.

Empower your strategy

Dive deep into the data easily and seamlessly to pinpoint opportunity – and zoom out to see big-picture trends. Have laser-sharp information at your fingertips so you can understand, predict, pivot and progress.

Empower your business and achieve more

When you partner with ASH, you can think bigger and be bigger. We bring you the infrastructure, analytics and thought leadership to take your business to the next level.

Existing Customers:	ASDA| Intu | Golden Properties | Selfridges | Tesco | Co-Op | Network Rail | Direct Line Group | :Lego | Ikea			
Existing Export Markets:	**EU, USA**			
Targeted Export Markets	**ASEAN**			
Targeted Sectors	Retail | Smart Environments | Healthcare |			
Website	www.ashprojects.com			
Year Established	**2002**	**Business Type:**		**B2B**
Version Date	2017			

Contact Details

ASH Projects

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www.ashprojects.com

Awen Collective

Making society safer by increasing cyber resiliency of Critical National Infrastructure and Manufacturing.

Company Technology & Service Overview

A cyber attack to a Smart City, or an energy, water, transportation, or manufacturing organisation could cause significant disruption to society. It is the mission of Awen Collective to reduce the impact of cyber attacks on society's critical infrastructures. We do this by developing software which helps these industrial organisations to increase visibility into their operational networks and decrease cyber risk.

Our innovative software solutions are purpose-built for all Operational Technologies (OT), whether brand new or legacy. This includes Industrial Control Systems (ICS), Supervisory Control and Data Acquisition (SCADA) systems, Robotics, and the Internet-of-Things (IoT).

Industrial, defence and Critical National Infrastructure (CNI) organisations understandably want to see efficiencies in their automation systems. For this reason, they are investing in newer supervisory and data analysis systems (Industry 4.0) which connect existing Operational Technology (OT) networks with Information Technology (IT) networks and Industrial Internet of Things (IIoT) networks. Unfortunately, this opens the OT network to increased threat of cyber attack. If disruption were to occur on OT systems, then business continuity could slow down to a complete halt.

Awen Collective created Dot (Discovery on Operational Technology), software to help you reduce risk and increase resilience, by identifying devices and vulnerabilities on your critical OT and IoT networks.

Existing Customers:	UK Ministry of Defence | Raytheon | Affinity Water
Existing Export Markets:	**UK**
Targeted Export Markets	**Europe & Asia Pacific**
Targeted Sectors	Smart Cities | Energy | Water | Transport | Manufacturing| Defence
Website	https://www.awencollective.com/

Year Established	**2017**	**Business Type:**	**B2B**
Version Date	**V1 2020**		

Contact Details

Awen Collective Ltd

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United Kingdom
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www.awencollective.com

TECHNOLOGY IS GREAT BRITAIN & NORTHERN IRELAND

Beringar

Helping people and buildings understand each better, so both can be more productive

Company Technology & Service Overview

Beringar is a multi-award winning company founded in 2016 by Chartered Surveyors Mark Sorsa-Leslie and Paul Byrne in response to a challenge by NHS England to find a solution to measure and report on activity within health buildings for improved efficiency. The solution needed to be sensor-led but there were no sensors on the market that could accurately count and position people, protect the privacy of individuals detected and provide information about the environment of the monitored space. So Beringar developed the first commercial multi-sensor device transmitting data via LoRaWAN that uses machine vision to position people and a sensor array to monitor the building's physical environment in real time.

The sensors-as-a-service solution embodied in the highly recognisable hexagon sensor and online service, is the first machine vision-based LoRaWAN sensor that allows clients to monitor desk and room occupancy, indoor climate and air quality, light and sound levels. The sensors are easy to deploy to new or existing buildings and can cover up to 50m2 of floor space. The data produced can be used to improve space efficiency, reduce energy waste and help manage business risks such as COVID-19 response and pandemic resilience.

In the longer term the data will be used to train machine learning algorithms paving the way to automate many of the building management tasks currently undertaken manually.

Contact Details

Beringar Ltd

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Email:
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LinkedIn:
www.linkedin.com/compan
y/beringar/

Twitter:
@beringarltd

Existing Customers:	British Land| Goldman Sachs	CBRE	Allianz	Construction City	
Existing Export Markets:	**Belgium, The Netherlands, Norway, Russia, Lebanon**
Targeted Export Markets	**USA, China, Australia, India**
Targeted Sectors	Smart Building	Real Estate	Commercial Office	
Website	www.beringar.co.uk

Year Established	**2016**	**Business Type:**	**B2B**
Version Date	**11/2020**		

CASCODA

Solving range, interoperability, security, power & scalability issues for standards-based IoT

Company Technology & Service Overview

Cascoda is a **communications company** that designs and manufactures **ultra-low-power** semiconductor **radios and modules** for **Internet of Things** (IoT) communications. Cascoda's products are unique in that they provide **highly secure**, **reliable** and **scalable** technology, based on the universally supported internet protocol (IPv6). The company has achieved this by driving **IoT standards**, namely:

• **Thread** for the IP-based mesh network-layer
• Open Connectivity Foundation (OCF) for the application-layer

The combination is called **OCF-over-Thread**, and Cascoda is the **only company in the world** to have achieved this milestone. OCF-over-Thread allows for **device-device** and **device-cloud** connectivity, with **Public Key Infrastructure (PKI) security** for secure end-to-end connectivity. This level of security is required by the forthcoming **baseline IoT security standards from the US, EU and UK**. OCF has been **benchmarked** against these security standards and has been formally accepted as compliant. **No other solution in the world supports such baseline standards.**

Cascoda's products are uniquely capable of satisfying the unmet IoT market need by:
• Providing **range** in excess of WiFi, double that of the current state of the art.
• **Ultra-low power consumption**, allowing long life battery or operation from energy harvesting sources.
• Secure, conforming to the upcoming baseline security standards for IoT, set by the US, EU and UK governments.

What we are looking for:
• **Partners** in the IoT ecosystem: **infrastructure providers, distributors, design houses**
• **Manufacturers** of wireless systems for **Smart Home**, **Smart City** and **Smart Industry**

Contact Details

Existing Customers:	(in Asia) Green Ideas Technology, Taiwan		
Existing Export Markets:	**Taiwan**		
Targeted Export Markets	**S Korea | Malaysia | Thailand | Japan**		
Targeted Sectors	**Smart Home | Smart City | Smart Industry**		
Website	https://www.cascoda.com/		
Year Established	**2007**	**Business Type:**	**B2B**
Version Date	16/11/2020		

CASCODA

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info@cascoda.com

CrowdVision

We see data in movement that influences change

CROWDVISION

Company Technology & Service Overview

CrowdVision is a pioneer in the video analytics space, and with its recent acquisition of iinside it now offers both "vision" and LiDAR solutions through a unified user interface. Our technology was first developed in the mid-2000s following a request by the Saudi Arabian government for an automated video-based pedestrian analytics solution to help improve safety during the Hajj pilgrimage at Mecca.

The CrowdVision analytics solution processes either live video input from commercial off the shelf cameras, or live LiDAR streams, both of which detect pedestrian movements automatically using sophisticated artificial intelligence techniques. CrowdVision outputs live data about everything from flows, queues and wait times to processing times, occupancies, and asset utilization. Live dashboards reveal actionable insights to improve real-time operations, while accumulated historical data provides evidence for planning and investment decisions.

The CrowdVision solution has evolved considerably and is now used extensively in airports, stadiums, exhibition centres, transportation hubs and large-scale resort hotels/casinos.

Full details of our offerings and a variety of insightful videos can be found at: crowdvision.com, vimeo.com/crowdvision and crowdvision.blog.

Contact Details

CrowdVision

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London
EC1V 4PW

Tel No +44 (0)28 9091 8200

www.crowdvision.com

Existing Customers:	Delta Airlines | Heathrow | United Airlines |		
Existing Export Markets:			
Targeted Export Markets	**Malaysia | Singapore**		
Targeted Sectors	Aviation		
Website	www.crowdvision.com		
Year Established	**2009**	**Business Type:**	**B to B**
Version Date	October 2020		

EBM by Filament

The enterprise chatbot CMS, empowering enterprise teams to create, manage and scale engaging chatbots

ebm

WFILAMENTW
Experts in Applied AI
LONDON | TORONTO

Company Technology & Service Overview

Filament's Enterprise Bot Manager (EBM) provides the tools and operating model to deliver and scale your digital chatbot programme across your organisation. EBM integrates and partners with all major NLU providers – Google DialogFlow, Microsoft LUIS, IBM Watson and Rasa - providing an all-in-one chatbot management platform to monitor, optimise and scale chatbot deployments with greater efficiency and far lower cost-of-ownership. Trusted by a blue-chip global client base, it is supported by Filament's expert chatbot and machine learning services to ensure successful deployments and an ever-rolling innovation in the field of ML, NLP and chatbot best practice. Key features:

Content management. Manage and improve your chatbots easily and intuitively.
Collaboration. Empower teams to collaborate effectively when creating and improving their chatbots.
Analytics. Gain insights to learn from and expand user engagement.
Integrations. Seamlessly enhance the end-to-end customer chatbot journey.
Enterprise ready. Enjoy peace of mind with enterprise-grade security, infrastructure and scalability.

EBM is a very partner-friendly platform. Our passionate team of conversational AI specialists to help you get the most out of this technology. We can help with:
Consultancy. We assist and guide our clients on how to incorporate chatbots as part of an overall digital strategy.
Implementation. We scope and validate concepts before full delivery - from journey mapping, technical feasibility, content analysis, channel strategy and user testing.
Training. We help you to use EBM to it's full potential and take control of your conversational AI platforms
Ongoing support. We work with you to build a support model that helps you make the most of our platform

|		Contact Details
Existing Customers:	HSBC | NHS | Tesco | Rentokil | Boehringer Ingelheim | L'Oréal | NSPCC | Versus Arthritis | ICAEW | Kids Help Phone	**EBM by Filament**
Existing Export Markets:	**US | Canada | Germany | France**	Filament 22 Tudor Street London EC4Y 0AY
Targeted Export Markets	**Spain | South East Asia | North East Asia | ANZ**	+44(0)203 925 4107
Targeted Sectors	Financial services | Pharma | Retail | Cross-sector	hello@filament.ai | hello@enterprisebotmanager.com
Website	https://enterprisebotmanager.com/ | https://www.filament.ai/	**www.filament.ai/**
Year Established	2016	**Business Type:** B to B	
Version Date	6/10/2020	

Humanising Autonomy

Camera-based predictive AI company that provides human intent and behaviour analysis on the edge and in the cloud, creating the global standard to improve the interaction between people and machines in any environment.
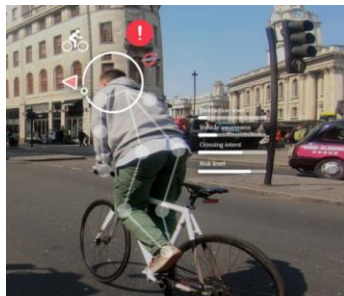
Company Technology & Service Overview

Approach Using a combination of behavioural psychology, statistical AI and novel deep learning algorithms, our predictive AI engine extracts observable and inferable behaviours of pedestrians, cyclists, e-scooter users, wheelchair users, and other vulnerable road users from video data to analyse and output behaviour intent predictions in real-time.

Benefits Safer interactions, faster progress, smoother experience, and enhanced efficiency

Products

HAxEdge: solution for multiple low-power platform integration with devices, systems, vehicles, and machines for Advanced Driver Assistance Systems (ADAS), Aftermarket ADAS, Autonomous Vehicles, construction, manufacturing, and robotics

HAxCloud: large-scale video data analysis for smart city, infrastructure, fleet operators, manufacturing, robotics, and insurance, displayed in customisable and automated dashboard to identify trends or patterns for a variety of applications

Competitive advantage hardware and processor agnostic, customisable outputs, trained with largest collected dataset of vulnerable road user behaviours, multi-market, multi-disciplinary, and ethically sound.

Data privacy: intentionally transparent AI system, with no collection of of names, contact information, or identification of road users. All footage is automatically anonymised

Existing Customers:	Daimler, Transport for London, Arriva Bus, Ceva Logistics, Nvidia, Siemens
Existing Export Markets:	Germany, France
Targeted Export Markets	Japan, Korea, Singapore, Taiwan, Vietnam, Indonesia, Philippines, Malaysia, Thailand, Australia, New Zealand,
Targeted Sectors	Urban mobility, smart city, autonomous vehicles, driver assist, fleets, manufacturing, construction, airport, traffic management, robotics
Website	www.humanisingautonomy.com

Year Established	2017	**Business Type:**	B2B
Version Date	2020		

Contact Details

Humanising Autonomy

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London
WC2R 1LA

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www.humanisingautonomy.com

TECHNOLOGY IS **GREAT**
BRITAIN & NORTHERN IRELAND

Informed Solutions

A Queen's Award for Innovation-winning independent provider of digital transformation, technology, data analytics and systems integration platforms and services.

THE QUEEN'S AWARD FOR ENTERPRISE: INNOVATION

Informed Solutions

WORLD INFORMATION TECHNOLOGY AND SERVICES ALLIANCE **WITSA** GLOBAL ICT Excellence Award Winner

Company Technology & Service Overview

With deep technology and consulting expertise in both public and private sectors, Informed Solutions helps clients achieve their transformation ambitions. Our specialisms include digital service delivery for justice and emergency services, land asset management and citizen engagement and service sectors.

Informed Solutions' methods and platforms deliver end-to-end digital transformation. By end-to-end we mean that we create on-line digital services that people use by choice. We undertake back office modernisation, including legacy systems migration and cloud migration and in the process we open-up siloed legacy data to create valuable corporate assets.

A multi award-winning practice, we are holders of a prestigious Queen's Award for Innovation. Our expertise helps clients; improve customer satisfaction by creating a better digital experiences for them; reduce transaction costs by streamlining and modernising back office technology; and helps increase their agility and decrease their time to market for new digital service delivery.

We work with the public sector, private sector and regulators. Our clients include over half of UK central government departments, Federal and State governments in Australia, and globally recognised and respected private sector brands working in highly regulated environments. Informed Solutions has designed and delivered digital services that look after millions of people every day in a more connected, converged and personalised world.

Existing Customers:	We work with the public sector, private sector and regulators.		
Existing Export Markets:	**Australia,**		
Targeted Export Markets	**Malaysia, Singapore, Australia**		
Targeted Sectors	All Government sectors and regulatory bodies. Private sector organisations including Oil, Gas, Transport and Logistics		
Website	www.informed.com		
Year Established	**1992**	**Business Type:**	**B2B**
Version Date	**October 2020**		

Contact Details

Company Name

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Tel No + 44 (0)203 042 2000

Email:
informationrequest@informed.com

www.informed.com

Masabi

Fare Payments as a Service for urban transportation

Company Technology & Service Overview

Masabi specialise in the digitization of fare payments in transport. Helping cities move away from large upfront capital investments associated with infrastructure and issuing plastic and paper tickets and moving towards using what is already in passengers pockets: contactless bank cards and mobile phones.

Masabi is a privately funded B to B/B to G company headquartered in London with 130 employees. Masabi's platform Justride has been deployed in over 80 cities worldwide including in Asia (specifically Japan and Australia).

Masabi's Fare Payments as a Service platform, called Justride, allows transport operators to subscribe to an existing ticketing system without the need to build anything new accessing the latest innovation that has been invested in by over 80 transport companies across the globe.

Contact Details

Masabi

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contact@masabi.com

www.masabi.com

Existing Customers:	Ney York MTA, Boston MBTA, Los Angeles MetroLink, National Express, Denver RTD, Calgary Transit, EMT Valencia & many more…
Existing Export Markets:	**USA, Canada, France, Spain, Netherlands, Japan**
Targeted Export Markets	**Italy, Thailand, Malaysia, Taiwan, Korea, Chile, Mexico**
Targeted Sectors	Transportation | mobility | payments |
Website	www.masabi.com

Year Established	**2002**	**Business Type:**	**B2B; B2G**
Version Date	**October 2020**		

ProtectBox (PB)

*Protect*B⬡X

AI Marketplace-as-a-Service with user-friendly features that let B2B/B(2B)2C/G/I users assess, compare, personalize, buy & rate products/services. Verified in Cybersecurity, re-purposing to Health, Agri & more

ADVISE -> ASSESS -> MATCH/BUNDLE->GET/RATE/NET ZERO-> SUBSCRIBE/PREDICT

Company Technology & Service Overview

Right now, when small & medium businesses (B2B) buy cybersecurity they either spend thousands of pounds & waste weeks paying a consultant. Or, if they decide to do it themselves, they have headache of swathes of jargon & solutions. How much easier would it be to go online & in a few minutes (for free) find & buy the right cybersecurity, whether they're a (technical) expert or not?

- After filling out our no-jargon assessment, simpler than (but equivalent to) an insurance policy or credit card application & with extras such as delegating questions to your team; importing answers from advisor's systems; non-jargon info icons/search (built into website in 100 languages) & chat/phone/email support
- Our responsible AI shows B2Bs, 6 bundles of Technology, People, Processes in our Comparison tool that can be personalised using risk score / price / rating / net zero score sliders or filters (like you get on Skyscanner)
- Before 1-click buying with lots of ways to pay, incl spreading your payments over time & gov't grant offsets
- That's what award-winning AI security comparison website/marketplace PB lets B2Bs do, now. Consumer (B2C), Enterprise (B2E), Government (B2G) & Infrastructure (B2I) versions of our security marketplace launching in January 2021, funded through £100,000 InnovateUK Sustainable Innovation Grant
- We also take pain away for Suppliers by matching them to actual Sales (not just leads) quickly, simply & fairly

Partners can help their B2B/C/G/I customers with Security (& wider protection) by using PB as add-on ecommerce in below ways. PB builds brand loyalty, market penetration in new areas, CSR for partner:
- By adding (on their (Partner's) website) a link to PB's website to buy from us, when they sell one of their products to their B2B/C/G/I customers (see Sage, Oracle in UseCases)
- Bundling us into their security & accreditation products (see OEMs/IoT/GovTech, Insurer, Telco in UseCases)
- Adapting our award-winning AI for their non-Security products (see Healthcare, AgriTech in UseCases)
- Advocating us through sales, social media, client briefings (see GenieShares/Salesforce/Google in UseCases)

Existing Partners/Pilots: **Existing Customers:**	Sage | Oracle | Defence giant (Gov't contractor) | OEM | Insurer | '000s B2B customers | 30,000+ Suppliers ('000,000s products)		
Existing Export Markets:	**Global (USA, India + interest in SE Asia, Africa, LatAm)**		
Targeted Export Markets	**Thailand | Singapore | S Korea | Taiwan| Philippines| Vietnam| Australia**		
Targeted Sectors	Security/IoT | Insurance/FinTech | Legal | Health | Agri | GovTech |		
Website	www.protectbox.com		
Year Established	**2017**	**Business Type:**	**B2B**
Version Date	**16/11/2020**		

Unmanned Life

Unmanned Life is the world's first AI-driven Autonomy-as-a-service platform

Autonomy-as-a-Service
UNMANNED
U life
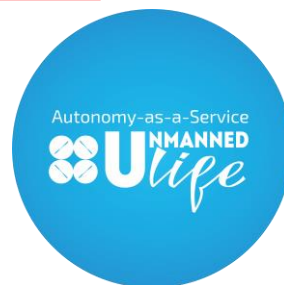
Company Technology & Service Overview

Unmanned Life has developed the world's first Autonomy-as-a-Service software platform leveraging AI, 5G and Autonomy to manage industrial autonomous integrated teams of different types of robots and drones. Unmanned Life´s mission is to be the default central intelligent brain for deploying autonomous robotics solutions for Industry 4.0 and Smart Cities with its 5G Autonomy-as-a-Service platform. Being hardware agnostic, the SaaS platform is able to integrate variety of hardware creating a fully autonomous taskforce.

The software enables high flexibility and scalability, working both outdoors and indoor, with or without GPS delivering AI for autonomy.

Existing Customers:	Telefonica, Deutsche Telekom, City of Vienna, Etisalat
Existing Export Markets:	**Europe, US**
Targeted Export Markets	**South East Asia**
Targeted Sectors	Telco, Smart Cities, Supply Chain, Mobility
Website	www.unmanned.life

Year Established	**2015**	**Business Type:**	**B2B**
Version Date	**2020**		

Contact Details

Unmanned Life

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London
WC2H 9JQ

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www.unmanned.life

TECHNOLOGY
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Yoti

Digital Identity Platform
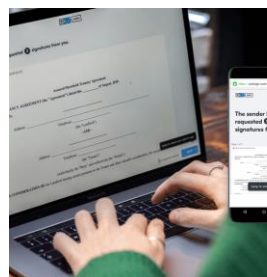
Company Technology & Service Overview

Yoti is an identity checking platform that allows organisations to verify who people are, online and in person. We are a team of over 200 based in London, with offices in Bangalore and staff in the US and Canada. We count over 8 million installs of the Yoti app, following our launch in November 2017.

The platform spans identity verification, credential management, age verification, e-signatures, biometric authentication and access control.

The company's platform solution, Yoti, allows consumers to create a reusable digital identity profile that the consumer can use anywhere across mobile and web services that have integrated Yoti into their network.

Yoti enables businesses to verify consumers' identities using biometrics and government-issued IDs. Yoti also offers a whitelbled Yoti Doc Scan service within an organisation's app and website flows, to allow consumers to present their ID document, which can be digitised and the document checked for authenticity.

Yoti Sign offers the convenience and simplicity of e-signing platforms, but with the added security of biometric verification.

Existing Customers:	NHS| Scottish Government| NCR|		
Existing Export Markets:	**US, Canada, India, Australia, New Zealand**		
Targeted Export Markets	**Asia Pacific**		
Targeted Sectors	Health| Aviation| Retail|Financial Services & Banking		
Website	www.yoti.com| twitter @getyoti		
Year Established	**2014**	**Business Type: Ltd**	**B to B, B2G, B2C**
Version Date	**v1 2020**		

Contact Details

Yoti

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www.yoti.com

TECHNOLOGY
IS
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ZPN Energy

Driving simplicity and innovation

zpn energy

Company Technology & Service Overview

ZPN s 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 serves a range of industries and government bodies at the local, national, and international level within its rapidly expanding global network. 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 (modular storage energy units). ZPN® Energy has developed innovative smart green energy solutions for a variety of applications, including rapid and ultra-rapid chargers for electric vehicles. ZPN focus on development and implementation of scalable and efficient technologies to enable Green Smart Cities, EV Market Growth and integrated business energy management that all contribute towards the government's target to reduce emissions to net zero.

Mission - To be the most respected Energy Management company in the world.

Vision - Driving innovation through simplicity to reduce CO2 to establish a zero-carbon world

Existing Customers:					
Existing Export Markets:					
Targeted Export Markets	Asia Pacific				
Targeted Sectors					
Website	www.zpnenergy.com/ www.linkedin.com/company/zpnenergy				
Year Established	2015	**Business Type:**		B2B	
Version Date	28/10/2020				

Contact Details

ZPN Energy

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Cohort Camelot

1. **Conigital Ltd**

2. **Datactics**

3. **Emu Analytics**

4. **Intercede**

5. **Ovon Technology**

6. **See.Sense**

7. **Sensat Surveying Limited**

8. **Space Syntax**

9. **Sycous Limited**

10. **Telensa Systems**

11. **UrbanTide**

12. **UtterBerry**

13. **Vivacity Labs**

14. **Vortex IoT Ltd**

15. **Vucity Limited**

TECHNOLOGY IS GREAT
BRITAIN & NORTHERN IRELAND

Conigital

We are driverless vehicle and on-demand ride-hailing company

Company Technology & Service Overview

Formed in 2015, Conigital stands for 'Connected Digital', we are a deep tech, retrofit driverless vehicle and on-demand ride-hailing startup on a mission to digitally connect Autonomous vehicles to empower inclusive mobility for all.

We provide turnkey driverless vehicle deployments for any vehicle type, including an automated bus, as well as the backend operational platform for transport/mobility operators to run human-driven and/or driverless fleets as part of a Mobility as a Service (MaaS) offering.

Whilst in transit, our multi-language, travel AI concierge (Connie or David) generates new revenue streams by improving passenger experiences, providing travel updates, onward travel, infotainment and e-commerce services. We connect passengers with 'local marketplaces' as they travel or sight see e.g. shops, cafes, tourist sites, hotels and our clients retail services including upselling any special offers or upgrades.

Existing Customers:	5 Live PoC's (2 Commercial, 3 Innovate UK)
Existing Export Markets:	**UK, Europe & Australia**
Targeted Export Markets	**The broader APAC region**
Targeted Sectors	Mobility	Transport
Website	https://conigital.com/

Year Established	**2015**	**Business Type:**	**B2B**

Version Date	**10 2020**

Contact Details

Conigital

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https://conigital.com/

Datactics

DATACTICS™

Company Technology & Service Overview

Self-service data quality and matching software specialists, helping business users gain fast access to clean data and overcome IT bottlenecks associated with very large, messy sets of data. Our clients include several major Tier 1 investment banks, information vendors, government departments, retail banks and wealth management firms.

Bad data can't wait for IT. Business demands on data are increasing and traditional tools and processes can't keep up. Datactics Self-Service Data Quality platform empowers business users to self-serve for high-quality data, saving time, reducing costs and increasing profitability.

Increasingly, people without coding or programming experience are needing to get more from their data, without having to re-train or wait for IT teams to provide it, which is easily enabled with Self-Service Data Quality. The 'data management estate' requires market-leading specialties at every turn, designed with these business experts in mind. This is where Datactics adds rapid value to any data strategy program.

Our home-grown self-service software features many hundreds of thousands of person-hours of development in the fundamentals of data quality and matching. We provide fast results, full training and guidance, empowering business users who understand the data to measure, fix and fully leverage their data assets.

Contact Details

Datactics

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www.Datactics.com

|			
Existing Customers:	| Tier 1 Global Investment Bank | Major UK Asset Manager | Major European Supervisory Authority | Danske Bank| Bank of Ireland |		
Existing Export Markets:	UK, EU, NA, AP		
Targeted Export Markets	Asia Pacific, Africa		
Targeted Sectors	Banking | Financial Services | Government | Wealth management		
Website	www.Datactics.com		
Year Established	**1999**	**Business Type:**	**B2B**
Version Date	2020		

Emu Analytics

Real-time geospatial analytics and visualisation software
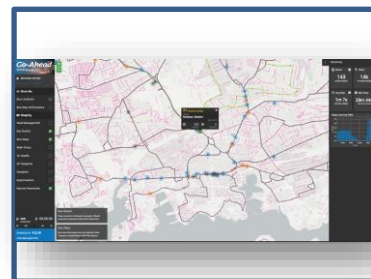
Company Technology & Service Overview

Emu Analytics is a London-based analytics and visualisation software company, focusing on big, fast and real-time geospatial data. This is typically the sort of data derived from big networks, transport systems, large scale IoT sensor deployments and fleet vehicle telemetry.

Our software is designed to rapidly ingest and analyse constantly arriving data, to present real-time operational performance metrics of infrastructure services, to enable organisations to more efficiently provide their services.

Furthermore, the highly visual, dynamic and intuitive interfaces allow this information to be accessed and understood by all levels of user within an organisation, not just the data scientists, thereby ensuring that the right personnel have the right information to make key decisions.

The cloud-based solution allows multiple different real-time and historic data sources to be processed and presented together, allowing for the context being the analysis to be better understood.

The two software platforms, LINE and Flo.w were launched in 2018, and early adopting users in the UK span many industry verticals and use cases, and include Heathrow Airport, International Airlines Group (IAG), EDF Energy, BT, Transport for London (TfL), United Utilities, Oxfordshire County Council and more.

Business areas that the software is used within, include transport operations, electric vehicle charging, fleet management, data monetisation and more.

The company has also successfully participated on a number of corporate accelerator programmes including GCHQ, IAG, Transport for Wales, Go Ahead Group, TfL and more.

Existing Customers:	International Airlines Group| EDF Energy	Heathrow| Ferrovial	several UK Mobile Networks
Existing Export Markets:	**N/A**
Targeted Export Markets	**Australia, New Zealand, Asia, Europe, US**
Targeted Sectors	Transport Infrastructure| Airports	Rail	Fleet Vehicles (telematics)	Transport Authorities
Website	www.emu-analytics.com

Year Established	**2015**	**Business Type:**	**B 2B**
Version Date	November 2020		

Contact Details

Emu Analytics

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www.emu-analytics.com

Intercede

Software for deploying and managing strong authentication at scale

intercede

MyiD

Company Technology & Service Overview

At Intercede our core product is the MyID® credential management software platform. MyID enables governments and enterprises to deploy and manage PKI based digital identities so that citizens and employees are able to access secure cloud and network-based systems and resources using the strongest form of multi-factor authentication.

MyID software is trusted by organisations who refuse to compromise on cybersecurity, wanting to offer the most secure and user-friendly method of authentication to their end users, whether that is anything from hundreds of employees through to millions of citizens.

Developed in-house, MyID is an off-the-shelf software platform with three variants developed to meet a broad selection of organisations' needs. MyID Professional is a slimline version of MyID which plugs into Microsoft environments for deployments of 500 users up. MyID Enterprise is our full scale, highly configurable product line which manages deployments ranging from 1,000 users to multi-million. MyID PIV is designed specifically to meet U.S. federal agency requirements around FIPS 201 legislation. However, as a leading standard for authentication, we also have Asia Pacific governments interested in adopting MyID PIV. The proven nature of our software is underpinned by our customers.

Contact Details

Intercede

Existing Customers:	GovTec	Boeing	T-Mobile	U.S. Department of Homeland Security	Australian Government Dept of Defence	BASF	National Gov of Kuwait
Existing Export Markets:	**USA, Germany, Austria, Sweden, Singapore, Australia, Switzerland**
Targeted Export Markets	**USA, Europe, Middle East, Africa, Asia Pacific**
Targeted Sectors	Government	Military	Finance	Energy	Healthcare	Manufacturing
Website	https://www.intercede.com/

Year Established	1992	**Business Type:**	B2B
Version Date	27.10.2020		

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Ovon

OVON TECHNOLOGY

Company Technology & Service Overview

Ovon creates stylish home automation, IoT devices that save energy and improve comfort. We are globally active through Ovon Home and Ovon Technology with a headquarters in Manchester, UK.

We operate both as a consultancy, sharing our knowledge with FTSE100 firms as well as creating our own smart home products for which we work with leading US investors in Ameren Energy and GAN Ventures.

The new Ovon heating system, including our micro-thermostat environmental sensor, smart radiator valve and boiler controller, offers a cutting-edge, self-charging platform that eliminates waste and provides a future-proof, energy-saving solution. With the capacity for remote diagnostics and predictive maintenance, Ovon's products have the potential to revolutionise home servicing while improving comfort.

Contact Details

Ovon Technology Ltd.

Existing Customers:	
Existing Export Markets:	
Targeted Export Markets	United States	APAC	UAE	Saudi Arabia	
Targeted Sectors	Smart Cities|	Smart Home	Energy	Utilities	Consumer Electronics
Website	www.ovonhome.com| www.ovon.io

Year Established	2018	**Business Type:**	B2B / B2B2C
Version Date	October 2020		

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www.ovon.io

See.Sense

Making cycling better

SEE.SENSE®

Company Technology & Service Overview

See.Sense is a technology and data company helping to get more people using bikes, so that cities can reduce congestion, pollution and improve the health of their citizens. We have a B2C2B business model. Our award-winning B2C products include intelligent bike lights and GPS theft tracking devices that make cycling safer and improve the cycling experience.

Our new B2B products for bike and scooter manufacturers and fleet operators build on our core patented technology and apply state of the art connectivity to offer real-time tracking and never-before-seen data insights to unlock a wide range of benefits for our B2B partners and the cities in which they operate.

All of our technology products make use of our patented sensor technology and advanced connectivity solutions, generating near-real-time sensor data insights into the experience of the rider, and connecting cycling into the fabric of a city's mobility system. Highly granular data insights are gathered including such as road surface conditions, swerving and heavy braking patterns, collisions, and journey mapping, to provide never before seen insights to help planners design and maintain cycling infrastructure, as well as providing a tool for citizen engagement.

See.Sense is the Winner of numerous awards including Digital Catapult's Platinum Award, and has worked with some of the world's leading smart cities.

Contact Details

See.Sense

Existing Customers:	Singapore GovTech| Oxford County Council | Denver, Colorado|
Existing Export Markets:	Singapore, Australia,
Targeted Export Markets	Asia, Australia, Europe, US, South America
Targeted Sectors	City planners l Bike/scooter Fleet operators | Consumer sales
Website	www.seesense.cc

Year Established	2013	**Business Type:**	B2C, B2B
Version Date	October, 2020		

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www.seesense.cc

Sensat

Capture, visualise and track your infrastructure projects from anywhere
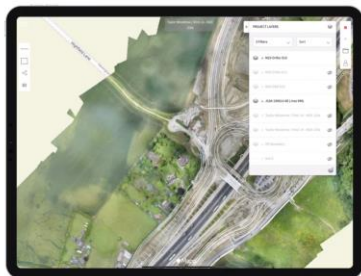
Company Technology & Service Overview

We enable project managers, engineers and surveyors of large civil infrastructure projects to capture, visualise and track their assets from anywhere.

Our cloud-based platform allows clients to integrate all documentation and topographical information in one place and overlay design elements to it. This empowers them to track project progress, collaborate remotely and visually interact with large datasets. Our clients have successfully collaborated with all parties involved in a project thanks to our unlimited users policy, while keeping key stakeholders up to date with the project progress in real-time, reducing the need to visit the site and reducing risks.

When required, our Survey team can survey sites faster, more accurately and at a lower cost than traditional methods. Through the latest aerial mapping technology we are able to produce data in all common formats for successful bidding, design or progress monitoring. In addition we provide a hybrid surveying approach, using solutions best suited to the needs of the client rather than rigid specifications. This hybrid approach was pioneered with EKFBJV on HS2 and resulted in a £1.2m direct cost saving.

Existing Customers:	Heathrow Airport | Kier | HS2 | Highways England
Existing Export Markets:	**Bahamas**
Targeted Export Markets	**Middle East, China, Asia Pacific**
Targeted Sectors	Infrastructure | Construction |
Website	sensat.co.uk

Year Established	2017	**Business Type:**	B2B
Version Date	2020		

Contact Details

Sensat

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www.sensat.co.uk

TECHNOLOGY IS GREAT
BRITAIN & NORTHERN IRELAND

Space Syntax

Space Syntax

Thriving life in buildings & urban places
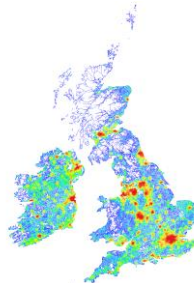
Company Technology & Service Overview

Space Syntax provides creative expertise in performance-focused architecture & urban planning. Operating worldwide, we combine global design experience with powerful digital technologies that forecast social, economic & environmental impacts. We help shape policies, planning strategies & design proposals that benefit people, property & the environment.

Space Syntax works to de-risk property investment decisions, showing how the spatial layout of places can be optimised to enhance the social, economic and environmental value of developments. Using a highly graphic, data-rich and audience-engaging set of techniques, we help our clients achieve powerful results quickly.

Space Syntax provides a unique, evidence-based approach to the planning, design and operation of buildings and urban areas. By facilitating communication on project teams and with stakeholders, we reveal unseen opportunities and create better ideas, measuring and improving the likelihood of success.

Existing Customers	Selection: Frasers Property Holdings| Mitsui Fudosan | Grosvenor | City of Melbourne | Hutt City Council
Existing Export Markets	Australia, Japan, New Zealand, Singapore, Thailand
Targeted Export Markets	Australia, Japan, Malaysia, New Zealand, Philippines, Singapore, Thailand, Vietnam
Targeted Sectors	**Services** **Architecture/Urban planning** **Urban forecast modelling** - Active mobility: walkability versus car-dependence. - Land value impact - Physical & mental health: obesity & loneliness risk. **Sectors/clients** **City & regional planning** National/regional/local government. **Property developments** Real estate developers/investors. **Buildings & estates** Retail, commercial, residential, education, cultural/leisure.
Website	spacesyntax.com

Year Established	1989	**Business Type**	B2B
Version Date	2021		

Contact Details

Space Syntax

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Sycous Limited

Providing IoT enabled metering and billing solutions for energy networks.
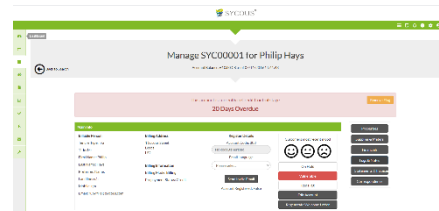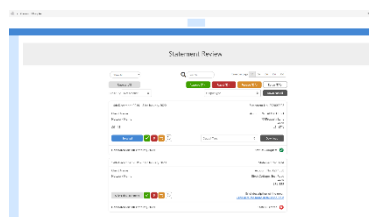
Company Technology & Service Overview

Sycous started in 2014 by creating state of the art metering data collection and billing software for energy network operators and building owners. Since then, our services have been expanded to improve and expand the functions our customers can undertake to allow efficient operation of metering and billing processes. We enable our customers to:

1. Remotely collect and validate readings from a wide range of metering and measurement devices
2. Provide integrated solutions for collection using IoT data collection networks, including LoRaWAN and NBIoT
3. Provide automated diagnostic warnings for equipment suspected as operating abnormally to enable targeted maintenance
4. Support in the roll out of building or city wide IoT data collection networks
5. Maintain billing accounts and generate statements for end energy users
6. Provide API access to crucial data for integration into third party systems and enable smooth business processes
7. Provide white label solutions for consumers, including personal energy account mobile applications and consumer engagement websites
8. Provide app based services for pre-payment of energy consumption

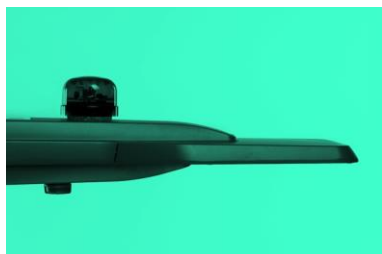|	
Existing Customers:	London Borough of Hackney (UK), London Borough of Camden (UK), BAE Systems (UK), Energy Catapult (UK), Zenner ME (UAE), Brunata (Denmark)
Existing Export Markets:	**EU, UAE.**
Targeted Export Markets	**Africa, APAC (Particularly Singapore, Australia, New Zealand)**
Targeted Sectors	Energy Networks, IoT data collection, building energy management
Website	Sycous.com, mySycous.com, Mabdeck.com
Year Established	**2014**
Business Type:	**B2B**
Version Date	**v1 2020**

Contact Details

Sycous Limited

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Email info@sycous.com

www.sycous.com

Telensa

Smart streetlighting for smart cities

Company Technology & Service Overview

Key Offerings:

Smart, connected streetlighting and a central management system. TALQ certified for full interoperability. Integration with asset management systems. Central control, responsive dimming of streetlights for significant reductions in energy bills, emissions and lower maintenance costs.

Mission:

Telensa makes wireless smart city applications, helping cities around the world save energy, work smarter and deliver more joined-up services for their citizens. Telensa PLANet is the world's most deployed smart streetlight solution, with a footprint of 2 million lights. Telensa's Urban IQ system builds on the compelling business case for smart street lighting to provide cities and utilities with an open, low-cost platform to add multiple sensor applications. Telensa is based in Cambridge in the UK, and manufactures with Sony UK Tech in Pencoed, Wales. It also has regional operations in the USA and Australia.
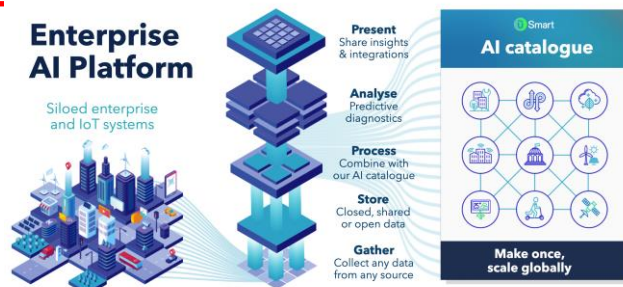
Existing Customers:	Wide range of customers in the UK/Europe, US, Australia, New Zealand, Malaysia, Brazil and more
Existing Export Markets:	**Europe, Americas, Middle East, Asia Pacific (AUS/NZL/MYS/HKG)**
Targeted Export Markets	**Targeting growth in all APAC markets**
Targeted Sectors	Councils, utility companies, energy companies, industrial/institutional sites (e.g. mining, factories, universities)
Website	www.telensa.com

Year Established	**2002**	**Business Type:**		**B2B**
Version Date	**10/2020**			

Contact Details

Telensa

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UrbanTide

Making a Sustainable World with AI

Company Technology & Service Overview

Our world urgently needs to respond to climate change and growing inequality. And data is a vital ingredient for solving these global challenges, yet organisations don't maximise its value.

At UrbanTide, our mission is to create a sustainable world with AI.
• We help cities monitor transport emissions and improve cycling routes.
• We enable energy companies to share data and unlock renewable potential
• And our AI reduces fuel poverty and improves the livability of our homes.

We do all this with uSmart our enterprise-scale data innovation platform alongside our unique and growing AI catalogue. Over the last seven years, UrbanTide has partnered with numerous organisations to maximise the benefits of AI and data.

Please find out how we are building smarter communities at www.urbantide.com and follow us @urbantide.

Existing Customers:	Ministry of Housing, Communities & Local Government (UK) | Energy Systems Catapult| Local Authorities across UK | DPER Ireland
Existing Export Markets:	**UK, Ireland and Europe**
Targeted Export Markets	**Europe, APAC and US**
Targeted Sectors	Enterprise AI | Smart Cities| Smart Energy | Smart Transport |
Website	www.UrbanTide.com | uSmart.io

Year Established	**2014**	**Business Type:**	**B2B - SaaS**
Version Date	**Jan 2021**		

Contact Details

UrbanTide

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Email: Simon.Tricker@urbantide.com

www.UrbanTide.com

UtterBerry LTD.

Small Sensors. Big Data.

UtterBerry®

Company Technology & Service Overview

UtterBerry is a smart wireless sensor network company founded in 2013 and based in London. The equipment is highly versatile, yet small and lightweight. They can monitor a number of structural changes including displacement and tilt. They can also count and distinguish between humans and animals, and can report on a range of other environmental factors. Patented On-board Artificial Intelligence and Machine Learning software can use existing data to predict future events, providing the user with insight, and an opportunity to prepare for said events.

The raw data is sent to the UtterBerry Cloud service using UtterBerry's Blockchain Technology, where it is aggregated and analysed using sophisticated Machine Learning models, and then presented to the end user through UtterBerry.io, UtterBerry's web service. The company has expertise in electronics, system design, data analysis, and mobile and web technology.

Contact Details

UtterBerry LTD

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|			
Existing Customers:	DASA |Land Transport Authority Singapore | Highway agency Hong Kong | MTR Hong Kong | Gammon | Crossrail | Network Rail | Thames Water | Tideway | Skanska | BFK | Kier | London Underground | Costain | amey | Ferrovial | Laing O'Ruke | Walsh Government		
Existing Export Markets:	**Construction, Transport, Smart Cities**		
Targeted Export Markets	**Security, Health, Sports**		
Targeted Sectors	Construction, Transport, Security, Health, Sports (Smart Cities)		
Website	www.UtterBerry.com		
Year Established	**2013**	**Business Type:**	**B2B**
Version Date	**October 2020**		

Vivacity Labs

Using artificial intelligence to improve transport networks
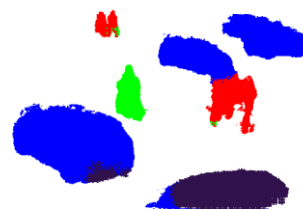
VIVACITY

Company Technology & Service Overview

Vivacity Labs is using artificial intelligence to improve the operation of our roads. We provide intelligent video analytics sensors to gather data on how vehicles, cyclists and pedestrians are using urban environments and transport networks. Our intelligent sensors capture live classified counts as well as speed, path, journey time and queuing data on all forms of mobility.

Vivacity's sensors use cutting-edge machine learning techniques, similar to those deployed in rapidly-developing autonomous vehicles, which use hundreds of thousands of images to learn to detect and classify vehicles. This enables our technology to be orders of magnitude more flexible and accurate than competitive products. Our sensors are constantly updated with the latest software technologies as machine learning techniques improve due to our remote update capabilities. As we gather more images, our AI technology improves as it understands deeper and better correlations; this remote update is critical to leveraging the scale of future deployments. Privacy is central to our system; all captured data is anonymous, processed locally, and fully GDPR compliant.

Our solutions have been used in a wide range of scenarios: managing pedestrian flows in a busy Manchester square or a major London rail station, monitoring congestion levels in Peterborough, improving cyclist safety in Oxford, and predicting traffic queues in Bournemouth. With thousands of sensors deployed around across the UK, gathering data for a wide range of local authorities, we are currently exploring opportunities for deployment of our technology in other cities around the world.

Existing Customers:	UK City Councils | Major Infrastructure Contractors | Leading Transport Bodies
Existing Export Markets:	**N/A**
Targeted Export Markets	**Europe (Nordics, Benelux), ANZ, Singapore, US**
Targeted Sectors	Intelligent Transport Systems; Urban Traffic Management & Control
Website	www.vivacitylabs.com

Year Established	**2016**	**Business Type:**		**B2B**
Version Date	16/10/2020			

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Vivacity Labs

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www.vivacitylabs.com

Vortex IoT

Vortex IoT designs wireless sensor networks, which are used in harsh environments to collect data for remote monitoring and risk assessment within the heavy industry and infrastructure sectors.

VORTEX IoT

Company Technology & Service Overview

At Vortex IoT we are focused on delivering practical "Internet of Things" solutions into the Heavy Industry, Smart Infrastructure and Rail Infrastructure sectors.

Where "off the shelf" solutions fail due to harsh conditions or power limitations we have a full suite of bespoke and scalable sensor devices. Our IoT ecosystem combines the physical devices with cognitive mesh networks and cutting edge block chain security.

The Vortex IoT ecosystem embraces the paradigm of Infrastructure as a Service (IaaS) and Platfrom as a Service (PaaS) allowing rapid onboarding, seamless scaling and "pay per use" commercial models.

Contact Details

Vortex IoT

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www.vortexiot.com/contact-us/

Existing Customers:	N/A		
Existing Export Markets:	**Not currently exporting**		
Targeted Export Markets	**APAC**		
Targeted Sectors	Heavy industry, smart infrastructure and rail infrastructure		
Website	http://vortexiot.com/		
Year Established	**2017**	**Business Type:**	**B2B**
Version Date	**27/11/2020**		

VU.CITY

VU.CITY helps people create, refine, share and understand the journey of development to make better design & planning decisions, faster.

VU.CITY®
The Smart City Platform

Company Technology & Service Overview

VU.CITY is a game-changing, powerful digital twin of our cities that supports its users in creating, refining, and sharing the journey of city transformation.

Our digital twins currently support built environment professionals, with future growth plans to help all industries that impact our cities by creating holistic space to test, understand impacts in seconds and discover how we can get more from what we already have.

Used across the United Kingdom and Ireland's public and private sector, VU.CITY provides a shared visual perspective to understand the character of a city, facilitating a city-wide constructive narrative and inclusion with change.

The VU.CITY Platform covers the whole of London and the centres of 19 major UK and international cities. Through use of 3D technology, data visualisation, and game engine technology, VU.CITY helps city changers make better design and planning decisions, faster.

See video for our business vision -
https://www.youtube.com/watch?v=DlBbz8efWO8&feature=youtu.be
See intro video on VU.CITY's functionality -
https://www.youtube.com/watch?v=QFlZHgI7oHM&feature=youtu.be

Contact Details

VU.CITY

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https://vu.city/

Existing Customers:	Local Authorities, UK leading architects, developers, planning consultants and agents
Existing Export Markets:	**None - currently all customers are UK based**
Targeted Export Markets	**APAC region generally**
Targeted Sectors	Built Environment primarily with the idea to partner those who have the knowledge to take the platform forward in other sectors.
Website	https://vu.city/

Year Established	2015	**Business Type:**		B2B
Version Date	November 2020			

Department for International Trade

great.gov.uk

DIT
The 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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