



Celebrating the stars of
Digital Catapult's programmes

Digital Catapult's Platinum Awards winners 2019

Digital Catapult's Platinum Awards celebrate the trailblazing companies that are the stars of our industry-leading programmes. These companies have achieved the most traction, gained investment and created or developed the best new product, application or service ideas currently making an impact in the market.

The winners are undoubtedly the ones to watch across Digital Catapult's technology focus areas of artificial intelligence and machine learning, immersive technologies, 5G, the internet of things, cyber security and distributed ledger technologies. Together the winners demonstrate the diversity and richness of the UK's tech ecosystem.

 #PlatinumAwards

 @digicatapult

Digital Catapult exists to drive innovation into the heart of UK businesses

We provide cutting edge facilities and programmes to identify and support the development of innovative ideas from the brightest inventors and entrepreneurs in the UK, and connect them with the genuine commercial needs in industry.

Digital Catapult has the immense privilege of discovering and nurturing the next generation of leading technology companies.

Launched on 26 November 2019, the Platinum Awards are our way of shining a light on the leading companies to have come out of our programmes and those who have achieved the best market traction.

PLATINUM AWARDS WINNERS 2019

From an inspiring shortlist of 24 companies, our judges have selected eight rising stars that have shone the brightest.

They are creating new markets, innovative products, solutions and experiences that address real business challenges and demonstrate the richness and talent the UK has to offer.

Each and every one of our judges are leading figures in the tech, manufacturing and creative industries. Thank you to our judges for their contribution to the first Platinum Awards.

The awards recognise and celebrate the most impactful advanced digital technology startups and scaleups.

Congratulations to the shortlisted and winning companies of Digital Catapult's Platinum Awards 2019.

A handwritten signature in black ink, appearing to read 'Dr Jeremy Silver', is centered on a light gray circular background.

Dr Jeremy Silver – CEO, Digital Catapult

Digital Catapult's industry leading programmes and facilities supporting these companies

Our industry leading programmes and projects drive innovation, collaboration and experimentation. Digital Catapult's facilities – both physical and digital – bring together startups, scaleups, corporations, researchers and investors to find the right solutions to industry challenges.

This year we have worked with over 600 small businesses, delivered over 120 industrial collaborations, and over 3,000 companies have used our nationwide network of testbeds and labs. We've seen over 90 companies on Digital Catapult programmes raising over £130 million in private investment and funding grants.

www.digicatapult.org.uk

PROGRAMMES AND FACILITIES



Machine Intelligence Garage

Digital Catapult's flagship AI programme – Machine Intelligence Garage – provides startups with access to the computation power and expertise needed to accelerate the responsible and ethical development and application of AI across industry.

For many small companies access to compute power and hardware is a major barrier to growth. Unique to the UK's AI and machine learning ecosystem, the programme helps companies with a well-defined business idea and technical capability to overcome these challenges.

To date, 61 top AI companies poised for growth have been accepted into Machine Intelligence Garage and 14 industry partners and collaborators have supported the programme.

www.migarage.ai



Augmentor

Now in its third year, Augmentor is a unique programme for the immersive community. Lasting for 12 weeks, Augmentor provides support for early-stage businesses developing innovative and commercially-focused applications of augmented and virtual reality. The programme partners with some of the world's leading investors, giving them a much greater understanding of advanced augmented and virtual reality technology.

Augmentor enables Digital Catapult to discover businesses with the most commercially viable solutions and gives them the skills to approach investors confidently.

www.augmentor.co.uk

PROGRAMMES AND FACILITIES



Cyber 101

Cyber 101 is part of the Department for Digital, Culture, Media & Sport funded activity to grow the UK's cyber security industry and the capability of cyber security startups and scaleups. Since 2017, Cyber 101 has supported over 100 cyber security startups, which, on average, see a 300% increase in revenue as a result of taking part in the programme. Between them, these companies have raised investment of over £20 million.

Delivered in partnership with The Accelerator Network, CSIT and Inogesis, Cyber 101 is part of the Develop strand of the UK Government's National Cyber Security Strategy, a series of activities supported by £1.9 billion in public investment over five years.

[🔗 http://cyber101.digicatapult.org.uk](http://cyber101.digicatapult.org.uk)



5G Testbed Accelerator Programme

Innovation in 5G depends on access to infrastructure and expertise. Digital Catapult is removing barriers to market and helping startups to develop leading-edge solutions.

Digital Catapult established the 5G Testbed Accelerator Programme to guide startups and scaleups in how to harness the power of 5G to complement or enable their products or services, and provides expert technical support to help them succeed.

www.digicatapult.org.uk/projects/5g-testbed-accelerator-programme



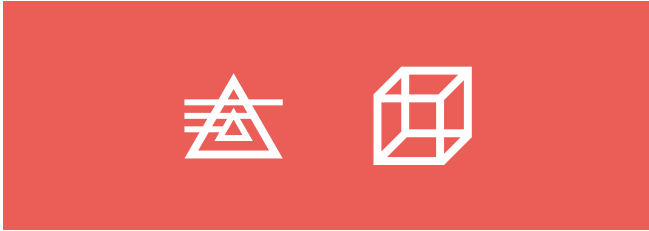
CreativeXR

CreativeXR was the first UK publicly funded accelerator programme designed specifically for immersive technology companies creating artistic content, which relied on a technological component.

Developed by Digital Catapult and Arts Council England, CreativeXR is recognised on the global stage as an example of how public and private organisations can work together, not only to create the groundwork for others to draw inspiration from, but also to embed innovative experimentation with technology into the arts and culture scene in the UK.

CreativeXR has rapidly gained traction with 500 applications in its first two years. Three of the projects funded were shown at the Tribeca Film Festival 2019.

www.creativexr.co.uk



Innovation services

Digital Catapult works with industry leading organisations and startup businesses to help them adapt new technologies to markets, develop new business plans to exploit technology opportunities, understand key ethical issues in their business models, raise private investment and grant funding, and bring new products and services to market.

As such, Digital Catapult delivered successful innovation activities for large organisations including Unilever, Rolls-Royce, Sellafield, P&G, Thales, BAE Systems and the Armed Forces amongst others.

Digital Catapult connects the right networks of problem solvers from the UK's diverse and innovative startup ecosystem to address industry's most pressing needs, and helps to derisk innovation for larger corporations.

www.digicatapult.org.uk/we-work-with/businesses



Digital Catapult's Immersive Labs

Located across the UK, in Belfast, Brighton, Gateshead, London and Manchester, the Immersive Labs are a network of facilities that support the UK's growing immersive community.

Each space is equipped with a range of the latest AR and VR hardware and examples of locally produced content. The Immersive Labs are available for hire by businesses of all sizes, academia and researchers.

Digital Catapult's Immersive Labs foster the growth of immersive technologies, by supporting businesses to develop commercially viable content and applications and to educate organisations about the huge potential of immersive.

www.digicatapult.org.uk/immersive-labs



Digital Catapult's Future Networks Lab

Fast forwarding adoption of future network technologies to deliver value to industry, Digital Catapult's Future Networks Lab has been created to support the development and use of IoT technologies and 5G.

Digital Catapult and its partners want UK businesses to exploit the potential of these technologies at scale. Early adopters will gain competitive advantage and be better positioned to capitalise on digital disruption and the new business models it creates.

The Future Networks Lab is a technology agnostic hub through which startups, corporations and network platform providers can find the right partners, experiment, collaborate, demonstrate and unlock the full potential of these technologies for industry.

www.digicatapult.org.uk/future-networks-lab

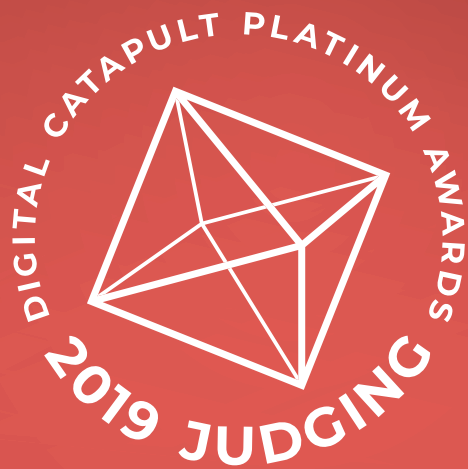
Future Networks challenge led acceleration programmes

Digital Catapult runs a variety of acceleration and challenge led programmes to support the development and adoption of future networks technologies. We operate testbeds and programmes giving access to state-of-the-art facilities, workshops and expertise. These include the Future Networks Lab Accelerator Programme and our large scale LPWAN Testbed that supports the development, testing and commercialisation of ideas. Furthermore our challenge-led innovation programmes bring together researchers and small innovative companies with larger corporations with real world industry challenges.

5G facilities

Digital Catapult has built, owns and operates three 5G testbeds. The 5G Brighton Testbed was the first in the UK not to be university-based, helping to take the technology out of a purely academic setting and into industry. The second testbed in the Future Networks Lab in London provides access to truly state-of-the-art 5G computation and connectivity. The third testbed is located in Brighton Dome.

www.digicatapult.org.uk/technologies/future-networks



CELEBRATING THE STARS OF DIGITAL CATAPULT'S PROGRAMMES

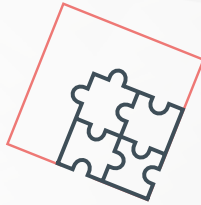
JUDGING CRITERIA

The shortlisted companies have been judged on the following criteria:



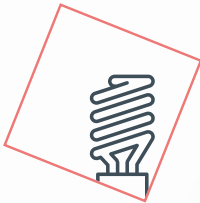
COLLABORATION

Has this company shown the ability to work cross-industry or sector? Have they worked with partners? Have they worked internationally?



DIVERSITY AND INCLUSION

Does this company proactively seek inclusion and diversity in its staff and the design of its solutions?



ENTREPRENEURSHIP

Does this company exhibit an entrepreneurial spirit?



SUSTAINABILITY

Does this company consider sustainability in its own business and solutions?

JUDGING CRITERIA



GROWTH

Has this company demonstrated the ability to monetise and scale?



IMPACT AND LEADERSHIP

Does this company demonstrate a significant contribution to its sector or industry?



ORIGINALITY

Does this company stand out from the crowd? Is it unique and exciting? How innovative is it?



SOLUTION

Does this product, service or solution help solve an industry challenge? Has it created a new business model, or helped open up a new market?

Digital Catapult has brought together some of the UK's leading figures in tech, manufacturing and the creative industries to form this year's Platinum Awards judging panel

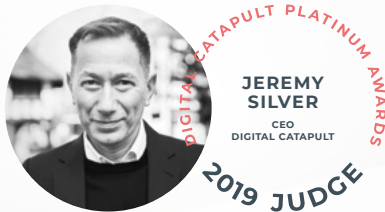
Digital technology has empowered human-kind to solve some of the most fundamental societal problems facing our world, that just a few years ago may have seemed unfathomable. From creating digital neural maps to advanced medical science and our understanding of the human brain, to using technology to make mining operations efficient, sustainable and safe, AI empowers us to share information and make data-driven decisions about our futures with confidence.

Breakthroughs in immersive technology have enabled us to foster and celebrate creativity and culture in previously unthinkable ways, from multi-sensory sonic theme parks, to using VR to create documentaries about issues of social justice. 5G, the internet of things and low power wide area networks are granting us the ability to develop new ways of driving, living, and interacting with one another that improves our day to day experiences and makes us more connected than ever.

JUDGES

The UK digital sector is at the forefront of this innovation, and it is forward-thinking business leaders creating a culture of innovation and experimentation who are required to accelerate growth and uptake of new ideas. Without investment and willingness to open new doors for burgeoning technology, it's likely that many of the world's most powerful ideas would stay in R&D departments and academia.

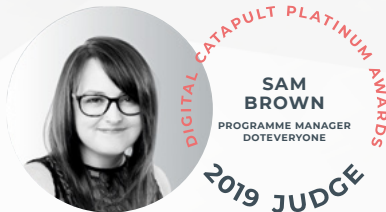
This is why we're honoured – as the leading innovation agency in the UK – to be joined by some of the UK's most illustrious leaders at the forefront of our rich and diverse tech scene.



JEREMY SILVER — CEO, DIGITAL CATAPULT **CHAIR OF THE PLATINUM AWARDS JUDGING PANEL**

Jeremy is an entrepreneur, author and angel investor. He is a Trustee of the British Library and a member of the UK Creative Industries Council. Jeremy sits on the boards of Hammerhead VR Ltd, Imaginarium Studios Ltd and FeedForward AI.

JUDGES



SAM BROWN — PROGRAMME MANAGER, DOTEVERYONE

Sam leads TechTransformed, Doteveryone's programme for responsible innovators that empowers them with new practices and methods to put responsibility at the heart of business planning, design thinking, and product management. Prior to Doteveryone, Sam led strategy and change management for business transformations within the financial technology sector in Canada.



SCOTT CAREY — GROUP EDITOR, IDG MEDIA

Scott is the Group Editor of B2B titles at IDG, providing editorial leadership for Computerworld and Techworld. He is an experienced enterprise technology journalist, with a keen interest in big IT and cloud vendors, venture capital and UK startups and a deep knowledge of the SaaS market and digital transformation at some of the UK's biggest companies.

JUDGES



PAUL CLARKE — CTO, OCADO

Paul's role as Ocado's Chief Technology Officer includes exploring opportunities to use its technologies and competencies to disrupt other sectors. He nurtures Ocado's technology relationships with government, universities and schools. Having read physics at Oxford University, Paul has worked in software engineering, consultancy, interim management and a number of software startups.



ALISSA DHALIWAL — HEAD OF INNOVATION, CBI

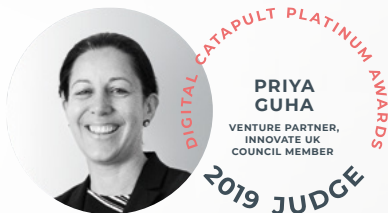
Alissa leads the CBI's work on innovation policy, lobbying and policy development on R&D and innovation adoption. At CBI Alissa has covered policy areas including public procurement and healthcare, and has led the development of its life sciences sector approach. Previously Alissa worked for an MP in Parliament.

JUDGES



MARCUS DU SAUTOY FRS OBE — SIMONYI PROFESSOR FOR THE PUBLIC UNDERSTANDING OF SCIENCE AND PROFESSOR OF MATHEMATICS AT THE UNIVERSITY OF OXFORD

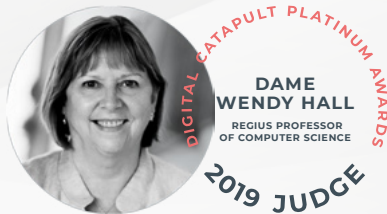
Marcus works extensively with a range of arts organisations bringing science alive for the public from The Royal Opera House to Glastonbury Festival. He has authored six books and presented numerous radio and TV series. He received an OBE for services to science in 2010 and was made a Fellow of the Royal Society in 2016.



PRIYA GUHA — VENTURE PARTNER, INNOVATE UK COUNCIL MEMBER

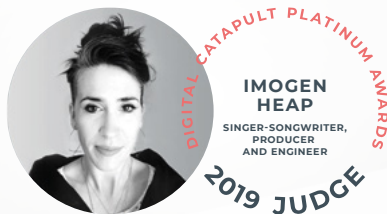
Priya is a Venture Partner at Merian Ventures, a venture capital firm for women-led innovation, and Member of the Innovate UK Council. Formerly British Consul General to San Francisco, she is on the Advisory Board of Tech London Advocates, Chairs the Board of Trustees of Modern Muse and is an Advisor to the Big Youth Group. Priya was recently named a Top 5 Asian Investor in UK Tech.

JUDGES



DAME WENDY HALL — REGIUS PROFESSOR OF COMPUTER SCIENCE NON-EXECUTIVE DIRECTOR, DIGITAL CATAPULT

Dame Wendy Hall, DBE, FRS, FREng is Regius Professor of Computer Science at the University of Southampton. She is a Fellow of the Royal Society and has been a Member of the UK Prime Minister's Council for Science and Technology, the European Research Council, the Global Commission on Internet Governance and the World Economic Forum's Global Futures Council on the Digital Economy.



IMOGEN HEAP — SINGER-SONGWRITER, PRODUCER AND ENGINEER

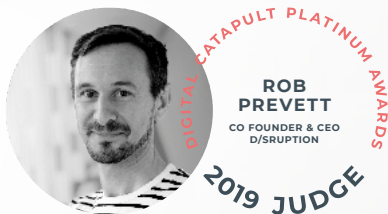
Imogen is an advocate of using digital technology. She uses it to interact and collaborate with her fans and create and distribute music in new ways. She is the Co-Inventor of MiMu, the world's most advanced wearable musical instrument and released her single "Tiny Human" on Mycelia, an experimental music distribution platform that uses blockchain-based technology.

JUDGES



MARK MELLING — HEAD OF RYOT STUDIO EMEA, VERIZON MEDIA

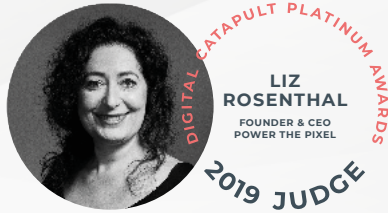
Mark leads the RYOT Studio team, part of the Oscar-nominated and Emmy-winning RYOT business. He has had extensive experience in developing and launching content monetisation platforms in mobile and digital video in North America, previously leading strategy, production and monetisation of digital video as AOL's Director of Video for Europe.



ROB PREVETT — CO FOUNDER AND CEO, D/SRUPTION

Rob is a media entrepreneur and an advisor around digital disruption. As Co-Founder and CEO of D/SRUPTION he works with organisations to help them understand emerging technologies and innovative new business models. Rob also runs Disruption Summit Europe, a cross-sector event for business leaders involved in disruption, innovation and digital transformation; and led the inaugural Disruption50, a programme to identify the UK's most disruptive organisations.

JUDGES



**LIZ ROSENTHAL, FOUNDER & CEO, POWER THE PIXEL;
PROGRAMMER, VENICE INTERNATIONAL FILM FESTIVAL
EXECUTIVE PRODUCER CREATIVEXR**

Liz advises international media organisations on innovation strategy, funding programmes and project strategy. She is an expert in devising innovation-centred development labs and programmes around interactive storytelling and VR.



ALEXANDER WOOLF — DIRECTOR, ROMULUS HOLDINGS

Alexander led the launch and continued growth of Huddle, a new coworking and flexible workspace brand. He previously worked in both London and New York as a Growth Strategy Consultant for a range of large global clients.

PLATINUM AWARDS

250+
COMPANIES

24
SHORTLISTED

 **8**
WINNERS

2019



CELEBRATING THE STARS OF DIGITAL CATAPULT'S PROGRAMMES





2019 WINNER

Digital Catapult helped axial3D raise investment of \$3 million

IMPACT

Won four year contract supplying 3D printed models to University Hospital Southampton NHS Foundation Trust and Wessex Heartbeat

Exposure on the BBC, ITV News, UK national newspapers, USA national news and European news

Won multiple industry and technology awards

Newcastle Hospitals NHS Trust has signed up to axial3D's managed print lab service

axial3D closed investment of \$3 million



AXIAL3D



axial3D is a 3D printing firm that helps to transform the pre-operative planning and patient consent process while making 3D printing routine for complex cases.

axial3D's mission is to improve the quality of care that hospitals provide by giving clinicians easy access to patient-specific 3D models.

FURTHER DETAILS

 www.axial3D.com

 [@axial_3D](https://twitter.com/axial_3D)

 [axial3d](https://www.linkedin.com/company/axial3d)

PROGRAMME



**MACHINE
INTELLIGENCE
GARAGE**

2019 WINNER

axial3D is changing the digitisation of the healthcare industry with machine learning enabled solutions to prepare data for medical printing. With the development of targeted, anatomically specific computer vision algorithms to drive standardisation of image segmentation, axial3D helps to improve the accuracy of 3D prints, and ultimately to increase the market adoption of medical printing. axial3D's vision is for "every healthcare provider to have fast and easy access to expert medical 3D printing that improves surgical outcomes for patients."

Machine Intelligence Garage provided axial3D with access to on-demand cloud compute resources and the latest GPU technology. This resource enabled axial3D to rapidly iterate on its machine learning training and increase the data throughput.

Digital Catapult also invited axial3D to SXSW to present a patient case with a surgeon who uses axial3D for planning complex cases, giving axial3D a platform to share its story with hundreds of people.





NIALL HASLAM

“Working with Digital Catapult has enabled axial3D to accelerate the development of our software solutions. In addition to the increased compute resources, the help from Machine Intelligence Garage in terms of design and marketing is also extremely important for our company.”

DR. NIALL HASLAM — CTO, AXIAL3D

2019 WINNER

Digital Catapult helped position BIOS as a ground-breaking scaleup raising \$4.5 million

IMPACT

Raised \$4.5 million in seed funding from 5+ investors

Opened new R&D office in Montreal, Canada

Won research grants worth over £1 million in total from Innovate UK, SBRI, and NIHR to support clinical validation trials for its AI tools



BIOS

BIOS

BIOS combines neural engineering with AI to leverage the nervous system to enable more effective treatments for a range of chronic conditions.

BIOS is positioned to be the platform on which a new generation of AI treatments can be built to help billions of people suffering from chronic disease to improve their quality of life.

FURTHER DETAILS

 www.bios.health

 [@BIOShealth](https://twitter.com/BIOShealth)

 [bios-health-inc](https://www.linkedin.com/company/bios-health-inc)

PROGRAMME



**MACHINE
INTELLIGENCE
GARAGE**

2019 WINNER

The BIOS platform interprets the hidden language of the brain to enable more effective treatments for a range of chronic conditions, from heart disease to diabetes. Its hardware interface and machine learning software enables clinical experts to discover, translate, and scale new algorithmic treatments that are personalised, responsive and targeted.

BIOS is positioned to be the platform on which a new generation of AI treatments can be built so that it can help billions of people suffering from chronic disease to improve their quality of life.

Since BIOS was founded during MassChallenge UK in 2015, it has been working closely with Digital Catapult and formed an invaluable relationship.

BIOS was a founding member of Machine Intelligence Garage. The programme has been critical for BIOS, helping it get access to computation power and partners in AI, which has accelerated its R&D and its go-to-market.





TRIS EDWARDS

“We’ve been extremely fortunate to have worked closely with Digital Catapult for almost four years, from just starting out and into maturity and scaling. It has helped us make the right connections where we needed them, including helping us secure a £100,000 Innovate UK grant”

OLIVER ARMITAGE — CSO, BIOS

2019 WINNER

Working with Digital Catapult helped Humanising Autonomy raise \$5.3 million

IMPACT

Enabled the hire of a new full-time employee (a 20% increase in human power)

Raised \$5.3 million in investment

Accelerated and powered the rate at which predictive models could be trained

Facilitated collaboration with other AI businesses and startups

Opened doors for new opportunities in manufacturing industry



HUMANISING AUTONOMY

Humanising Autonomy is building the global standard of how autonomous systems interact with people.

Using AI and machine learning, its software can predict pedestrian, cyclist and other vulnerable road user behaviour and intent in real-time to improve the safety of global mobility systems.

FURTHER DETAILS

 www.humanisingautonomy.com

 [@HumanisingAuto](https://twitter.com/HumanisingAuto)

 [humanising-autonomy](https://www.linkedin.com/company/humanising-autonomy)

PROGRAMME



**MACHINE
INTELLIGENCE
GARAGE**

2019 WINNER

Humanising Autonomy's technology combines AI-powered computer vision and behavioural psychology to understand the full, nuanced range of human behaviour, and is able to predict the intentions of pedestrians, cyclists, and other vulnerable road users across cities worldwide.

As one of the early cohort members of Machine Intelligence Garage, Digital Catapult provided access to key computational resources in the early stages of Humanising Autonomy for data storage, training models, and client access via API, as well as access to potential corporate clients through industry-specific scoping workshops.





MAYA PINDEUS

“Digital Catapult gave us the freedom to be able to experiment. Being part of a network meant that we could collaborate with others, in addition to giving us access to key computational resources on the cloud in the early stages of our company.”

RAUNAQ BOSE — CTO, HUMANISING AUTONOMY

2019 WINNER

Working with Digital Catapult enabled Intellisense.io to develop new products and expand into new markets overseas

IMPACT

Significantly enhanced the ability to train new models and speed up the development of new products

Building an export market for UK AI solutions

Solved interoperability challenge to successfully deliver joint venture with Kazakhstan Government

Doubled headcount and expanded to three offices in Latin America, Kazakhstan and Spain

Demonstrated its claims to be a cloud-agnostic platform





An industrial artificial intelligence company making mining operations efficient, sustainable and safe through trusted and open AI solutions.

Its platform brains.app and applications are used across mining operations in Chile, Australia, Kazakhstan, Brazil and South Africa with a focus on the mine to market value chain.

FURTHER DETAILS

 www.intellisense.io

 [@IntelliSenseio](https://twitter.com/IntelliSenseio)

 [intellisense-io](https://www.linkedin.com/company/intellisense-io)

PROGRAMME



**MACHINE
INTELLIGENCE
GARAGE**

2019 WINNER

IntelliSense.io has developed a unique software that improves the efficiency of processes throughout the mine to market value chain. Support from Digital Catapult and the UK's Department for International Trade has helped IntelliSense.io to expand its cloud-based product offering.

IntelliSense.io was able to make its products cloud-agnostic and was able to access machine learning resources for model training that it would not have otherwise had access to. This was made possible through the access to AWS provided by Digital Catapult's Machine Intelligence Garage programme.

As a result, Intellisense.io was able to expand its technical team. Additionally, it was able to win contracts in Kazakhstan and Chile based on its cloud-agnostic offering. This helped to build an export market for Intellisense.io's innovative AI solutions.





SUSAN KENNEDY AND RYAN BOOTH

“Working with Digital Catapult enabled us to expand our cloud-based software offering and gave us access to computational resources and tools that we otherwise wouldn’t have had. This enabled us to expand our technical team and consequently develop new products for the mining industry to move into new markets.”

DR. GRANT KOPEC — FIELD OPERATIONS DIRECTOR

CELEBRATING THE STARS OF DIGITAL CATAPULT’S PROGRAMMES

2019 WINNER

Digital Catapult has helped IoT Solutions Group grow and scale

IMPACT

Received €58,000 FED4SAE grant to support product development

Formed strong working partnerships with other innovative businesses

Competed in and won three local authority challenges

Showcasing product in Future Networks Lab to be seen by visiting corporations, innovators and potential customers

Hosted a workshop for 17 councils at Digital Catapult and gained traction with target market early on





IoT Solutions Group is an end-to-end provider delivering across the whole IoT value chain – from hardware, software, network connectivity and vital data insight.

FURTHER DETAILS

 www.iotsolutionsgroup.co.uk

 @SolnGroupIoT

 [iot-solutions-group-ltd](https://www.linkedin.com/company/iot-solutions-group-ltd)

PROGRAMME



**FUTURE NETWORKS
LAB SHOWCASE
FED4SAE**

2019 WINNER

IoT Solutions Group works with Digital Catapult and has competed in, and won, three local authority challenges. The company featured as one of Digital Catapult's Future Networks Lab startup showcasing companies.

Having worked with Digital Catapult for an extensive period, IoT Solutions Group has also participated in marketing bootcamps and investors' breakfasts. It is now working with Digital Catapult as its Cascade Partner, having won FED4SAE funding to further develop one of its core products.

The close relationship with Digital Catapult has hugely impacted IoT Solutions Group – helping it to gain traction within its target market early on. The relationship has opened fresh opportunities to launch products in Europe.





NEAL FORSE AND EMMA MAHY

“We wouldn’t be where we are today without the opportunities and support given to us by Digital Catapult. It has opened doors for us and given us the ability to grow and scale. We have been on quite a journey during the past 18 months and are incredibly excited to be travelling our chosen path. Thank you.”

EMMA MAHY — CEO AND CO-FOUNDER, IoT SOLUTIONS GROUP

2019 WINNER

Specialist 5G support from Digital Catapult has influenced Mativision's product design and positioning of its services

IMPACT	
Raised total seed round investment £655,000	40% increase in sales revenue in the past 18 months
Received £120,000 funding to participate in the 5G Smart Tourism project and develop a 5G-enabled version of its immersive content streaming platform	Export revenue increased by 75%
	Participated in funded R&D projects totalling £312,000



MATIVISION



Mativision, a specialist in interactive 360° content and applications (VR/AR and MR), is emerging as a UK pioneer in 5G services.

Its 5G-ready immersive content delivery platform leverages 5G's capabilities to enable the creation and delivery of immersive social experiences to global audiences.

FURTHER DETAILS

 www.mativision.com

 [mativision](https://www.linkedin.com/company/mativision)

PROGRAMME



5G SMART TOURISM

2019 WINNER

Mativision produces and delivers interactive 360° content and immersive applications to global clients. From live entertainment to enterprise training and medical education its clients include Facebook, Google, Samsung, FOX, MTV, Universal, Warner Bros, Vodafone, Unilever, Novartis, Jeep, Fiat, Coach and others.

Mativision is recognised worldwide as the trusted partner for the live streaming of events in VR. Mativision has developed the first 5G-ready immersive content delivery platform, which enables the creation and delivery of exciting live-streamed immersive social experiences to global audiences.

Through the 5G Testbed Accelerator Programme, Digital Catapult helped Mativision to align its product roadmap with the 5G roadmap. The specialist 5G support provided by Digital Catapult has influenced Mativision's product design, helped it repurpose and position its services and solutions for the future, generate new business leads and build its brand awareness in new and existing markets.





ATHINA METRIDOU

“Digital Catapult is a most valuable partner for Mativision. Apart from serving as a continuous source of information and market knowledge for us, it is also an invaluable provider of technical support and business expertise, which has enabled us to aim for growth and expansion to new market sectors.”

ANTHONY KARYDIS — CEO AND FOUNDER, MATIVISION

2019 WINNER

Digital Catapult helped See.Sense springboard from concept to commercial products


IMPACT Featured in Digital Catapult showcase and now used by 50,000 cyclists and sold in 70 countries	Raised £1.1 million investment
	Stocked by major retailers including Halfords and Evans
Developed LPWAN device to integrate into Belfast City Council's Bike Share Scheme	Won multiple industry and technology awards
Collaboration with Vodafone for commercial launch	Won EU project Synchronicity, which led to commercial projects in Oxfordshire and North East Lincolnshire
Won Smart Cycling Challenge SBIR in Dublin	

SEE.SENSE

SEE.SENSE®

See.Sense creates award-winning products that make cyclists safer on the road, and technology that generates the data cities need to build better transport infrastructure.

FURTHER DETAILS

 www.seesense.cc

 [@seesense_cc](https://twitter.com/seesense_cc)

 [see-sense](https://www.linkedin.com/company/see-sense)

PROGRAMME



Showcased at
IoT SHOWCASE

2019 WINNER

Cities want to encourage and enable more people to cycle but planners need better data insights to plan more efficiently and improve conditions for cycling.

See.Sense is working to bring the whole community of cyclists together, with technology, to improve journeys for everyone. Its award-winning technology gives cyclists more visibility on their ride, and cities more information on their roads.

See.Sense first featured in Digital Catapult's Autumn showcase in 2016 and was the first startup to connect to the LPWAN Testbed. Receiving a highly commended award for its project in Cambridge. From this it developed a LoRaWAN device to integrate into Belfast City Council's Bike Share scheme and has now further developed this technology using NB-IoT in collaboration with Vodafone, for commercial launch of this tech, along with a consumer theft tracking device, in 2020.





IRENE McALEESE

“We’ve worked with Digital Catapult over a number of years, and have found it to be at the cutting-edge of expertise. The team have a positive, “can-do” approach and deep insight into the industry. We’ve found their support invaluable, enabling us to springboard from concept to commercial products”

PHILIP McALEESE — CEO, SEE.SENSE

2019 WINNER

Smartify's business valuation has increased by 300%

IMPACT	
Valuation of business increased by 300%, 30% as a direct result of working with Digital Catapult	Won the UN World Summit Award for Culture and Tourism
Winner of three Webby Awards	Smartify is actively working with 150 museums globally
Angel funding received	Over half a million active users



SMARTIFY



Smartify is a free app, which helps people connect with art. Users can scan artwork with a smartphone and, using Smartify's image recognition technology, unlock the stories behind the art, create a digital personal art collection and share with the Smartify community. Smartify delivers immersive visitor experiences and has been named 'the Shazam and Spotify of art'.

FURTHER DETAILS

 www.smartify.org

 [@_smartify](https://twitter.com/_smartify)

 [smartify---your-personal-digital-curator](#)

PROGRAMME

Showcased at
**CREATIVE INDUSTRIES
SHOWCASE**

5G SMART TOURISM

2019 WINNER

Smartify instantly identifies artworks by scanning them on a smartphone. It works closely with over 150 museums globally to deliver immersive visitor experiences that are smart and sustainable. Featured in publications including BBC, The Guardian and The New Scientist, Smartify has been named 'the Shazam and Spotify of art'. The app currently has over half a million active users.

In February 2017, Smartify was selected to feature in Digital Catapult's creative industries showcase and since then has collaborated on the 5G Smart Tourism project. Digital Catapult has also supported Smartify on successful bids to Innovate UK and the EU Horizon 2020 programme and introduced the company to useful collaborators within the immersive and creative industries and academic sectors. As well as direct financial value from professional services, Smartify has also seen a huge value from the credibility and impact of being a startup associated with Digital Catapult driving forward its growth and uptake.





“Since we joined the Digital Catapult programme, Smartify’s company valuation has increased by approximately 300%. We attribute at least 30% of this increased value to Digital Catapult.”

ANNA LOWE — CO-FOUNDER, SMARTIFY

2019 SHORTLIST

The following companies were shortlisted for Digital Catapult's Platinum Awards:

All Seeing Eye
Also Known As
Boom Clap Play
ChAI
Cyan Forensics
DARKFIELD
East City Films
HoloMe

Kagenova
Meterian
Metro-Boulot-Dodo
Ori
Smartia
Volta
VRM Tech
WILD.AI



CELEBRATING THE STARS OF DIGITAL CATAPULT'S PROGRAMMES

2019 SHORTLIST



All Seeing Eye is a creative technology design studio developing multi-sensory narrative experiences.

It is a unique combination of designers, artists, and engineers adept in graphics, technology, performance, and storytelling, creating unparalleled immersive works for audiences worldwide.

FURTHER DETAILS

 www.allseeingeye.co

 [@allseeingeyeltd](https://twitter.com/allseeingeyeltd)

 [all-seeing-eye-ltd](https://www.linkedin.com/company/all-seeing-eye-ltd)

PROGRAMME

**CREATIVE
XR**

Digital Catapult helped All Seeing Eye secure £55K investment

IMPACT

All Seeing Eye secured £55,000 investment from the CreativeXR programme for its Immersive Histories project; this enabled it to secure further funding from The Other Set, which it met through the CreativeXR marketplace

Its work was featured in The Times

Following this, it hired a 3D modeller to work on Immersive Histories

Secured a new partnership with the RAF Museum to exhibit the content to its visitors (almost a million people annually)





ALSO KNOWN AS

Also Known As creates immersive story worlds that respond to how you feel.

Using biometric data and human-centred design, the team is creating the next generation of training tools for high-risk jobs and developing algorithms that make interactions seamless and intuitive.

FURTHER DETAILS

 www.alsoknownas.co

 [@_AlsoKnownAs](https://twitter.com/_AlsoKnownAs)

 [also-known-as](https://www.linkedin.com/company/also-known-as)

PROGRAMME

**CREATIVE
XR**



**MACHINE
INTELLIGENCE
GARAGE**

ALSO KNOWN AS

Digital Catapult provided the space and resources needed to empower Also Known As to capitalise on its R&D

IMPACT

Won £350,000+ in grants

Raised £100,000+ in match funding

Currently negotiating with major international news companies to provide tools for storytelling and training



BOOM CLAP PLAY

A story first production company on a mission to inspire curiosity and encourage the art of play.

Boom Clap Play works across television, gaming and VR using design, animation and audio to create stimulating experiences for your eyes, ears and brain.

FURTHER DETAILS

 www.boomclap.co

 [@boomclapplay](https://twitter.com/boomclapplay)

 [boom-clap-play](https://www.linkedin.com/company/boom-clap-play)

PROGRAMME

CREATIVE
XR

Working with Digital Catapult helped Boom Clap Play raise £30K development funding

IMPACT

Secured £30,000 via CreativeXR from Digital Catapult and match funding from Northern Ireland Screen

Won an RTS award for 'Best Interactive' and a DANI award for 'Best use of Immersive Tech' for its CreativeXR project

Hired four additional full-time staff members through a graduate scheme from an arts college, offering graduates a unique opportunity to work with some of the most advanced immersive technologies

Connected with six leading commissioning bodies





ChAI helps mitigate the negative impacts of price volatility for buyers and sellers of raw materials by using artificial intelligence on both traditional and alternative data (including satellite, maritime shipping and text data) to forecast commodity prices.

FURTHER DETAILS

 www.chai-uk.com

 [chai-uk](https://www.linkedin.com/company/chai-uk)

PROGRAMME



**MACHINE
INTELLIGENCE
GARAGE**

ChAI

Digital Catapult supported ChAI to secure £214K

IMPACT

Secured £214,000 of
angel investment

A pitching workshop helped
ChAI develop a winning pitch
that led to investment

ChAI is running proof of
concepts with clients in the
UK, Thailand and China

External validation from
Digital Catapult meant
investors viewed ChAI as
a high potential startup

In progress – closing round
for £1 million



2019 SHORTLIST



Cyan Forensics transforms investigators' ability to find evidence fast and share contraband data by providing software built on new science in digital forensics.

It is working towards making the world a safer place by aiding law enforcement.

FURTHER DETAILS

 www.cyanforensics.com

 @cyanforensics

 cyan-forensics

PROGRAMME



Digital Catapult helped Cyan Forensics widen its industry network

IMPACT

Benefitted from Cyber 101
business skills workshops

Raised £1.5 million funding

Widened network of cyber
security innovators

Partnered with the National
Centre for Missing and
Exploited Children

Received UK Government
Award and used by UK Police

Former Home Secretary
commented that the technology
was “game-changing”



DARKFIELD

DARKFIELD is a multi-sensory sonic theme park. Behind the doors of each shipping container a strange world unfolds.

Its work is at the forefront of technology and theatre, using a variety of sensory effects to situate each audience member at the centre of intense evolving narratives.

FURTHER DETAILS

 www.darkfield.org

 [@darkfield_org](https://twitter.com/darkfield_org)

 [darkfieldorg](https://www.linkedin.com/company/darkfieldorg)

PROGRAMME

**CREATIVE
XR**

Showcased at
SURROUNDSCAPES

DARKFIELD

Digital Catapult helped DARKFIELD to expand its audience and reach a global stage

IMPACT

In the last 18 months, DARKFIELD has created and built its second and third UK shows, another in Mexico and one in Australia

Established interest in further international licensing from China, South Korea and the USA

Expanded its audience from 40,000 to over 115,000

Sell-out run of three shows in Canary Wharf, a successful first step towards opening its theme park of sonic experiences

Séance, one of its shows, has been licensed in Canada



2019 SHORTLIST



East City Films is an innovative production company responsible for numerous award-winning VR and AR experiences.

Working with broadcasters, brands and charities, East City Films uses storytelling and new technologies to reach new audiences and transform emotions.

FURTHER DETAILS

 eastcityfilms.com

 [@EastCityFilms](https://twitter.com/EastCityFilms)

 [eastcityfilms](https://www.linkedin.com/company/eastcityfilms)

PROGRAMME

**CREATIVE
XR**

Digital Catapult enabled East City Films to develop its prototype, which was selected for the Tribeca Film Festival

IMPACT

Won the Best Immersive Storytelling award at Sandbox Immersive in China

Selected for the Tribeca Film Festival 2019

Won the Grand Prize at Festival Du Nouveau Cinema in Montreal

Produced 'Common Ground' the multi-award-winning interactive VR documentary about social housing and regeneration

Increased East City Film's visibility to other potential clients





HoloMe is the world leader in lightweight augmented reality human hologram technology. Its mission is to revolutionise communications by giving everyone the ability to deploy 3D human hologram assets at speed and scale over mobile networks. Its technology is proven to enhance the impact of any person-driven content thanks to the greater realism and tangibility viewers experience over ordinary video.

FURTHER DETAILS

 www.holo.me

 [@holometech](https://twitter.com/holometech)

 [holome](https://www.linkedin.com/company/holome)

PROGRAMME



Digital Catapult's Augmentor programme helped HoloMe become the voice of augmented reality in the UK

IMPACT

Secured more than £800,000 of early-stage capital

Secured proof of concept projects with several commercial clients with a combined revenue of over £100,000

Currently agreeing ongoing annual contracts for enterprise clients to license the technology on a software as a service (SaaS) basis

Expanded team to 10 people; now adding a role every two months





Kagenova develops deep tech to engineer realism and interactivity at the same time and at scale.

These new immersive technologies are powered by its novel artificial intelligence methods, which are tailored to virtual reality.

FURTHER DETAILS

 www.kagenova.com

 @kage_nova

 kagenova

PROGRAMME



Digital Catapult's Augmentor programme was a catalyst for £400K investment

IMPACT

Raised £300,000 in oversubscribed fundraising, which will enable Kagenova to commercialise its first product, copernic360, which turns any 360° VR content into six degrees of freedom

Kagenova secured £100,000 pre-seed investment from HTC Vive X

Finalist for Rising VR Company of the Year at the VR Awards

Gained connections to key industry players

Published in Insight magazine "Transforming 360 VR Content: How Kagenova Became the UK's Hottest VR Startup"



2019 SHORTLIST



Meterian aims to become the go-to platform for small and medium-sized businesses' continuous application security.

Meterian's platform secures open source components to prevent critical loss of basic functionality and security so that companies can ship software without vulnerabilities.

FURTHER DETAILS

 www.meterian.io

 @MeterianHQ

 meterian

PROGRAMME



CYBER 101

METERIAN

Digital Catapult provided access to valuable mentoring and connections to customers and investors

IMPACT	
Closed £150,000 seed investment round	Increased sales pipeline by over 325% – now contracting over a hundred companies per month rather than 10-12
Acquisition of new trial organisations	
Two clients are purchasing annual subscriptions	Employees increased from two to five






2019 SHORTLIST



Metro-Boulot-Dodo (MBD) brings stories to life using a blend of art and technology, it creates immersive and emotive experiences and tells compelling stories from our past and present to create a bright future.

MBD's team includes theatre makers, 3D animators and games designers. Its work combines traditional storytelling with immersive technology.

FURTHER DETAILS

-  www.mbd.limited
-  [@mbdtweet](https://twitter.com/mbdtweet)
-  [mbd-metro-boulot-dodo](https://www.linkedin.com/company/mbd-metro-boulot-dodo)

PROGRAMME

**CREATIVE
XR**

CreativeXR gave MBD the time, resources and confidence to hone its virtual reality storytelling

IMPACT

Increased turnover 82%

Over 80% work now focused on immersive media

Trebled investment in work using immersive technology

47% more employment hours due to an increase in immersive work

Major new partnerships in development for 2020/21






2019 SHORTLIST

ori

Ori Industries is building the next generation of the cloud. Its edge technology solutions empower developers and networks to build future applications and deliver premium, innovative experiences.

FURTHER DETAILS

-  www.ori.co
-  [@ori_edge](https://twitter.com/ori_edge)
-  [ori-edge](https://www.linkedin.com/company/ori-edge)

PROGRAMME



ORI

Digital Catapult supported with 5G Testbed, network domain expertise and introductions to investors

IMPACT

The 5G Testbed Accelerator Programme has been beneficial to Ori's development as a business, providing early tests of its platform's capabilities

Closed a \$2 million seed funding round with Episode 1 in January 2019

High focus on investment in people with team tripling from 5 to 15








Smartia provides scalable AI solutions that drive value from operational data by digitising industrial assets.

Its unique AI and data platform MAIO, helps unleash the value of data through machine learning to optimise production processes for industrial companies of any size.

FURTHER DETAILS

-  www.smartia.tech
-  [@smartia_tech](https://twitter.com/smartia_tech)
-  [smartiatech](https://www.linkedin.com/company/smartiatech)

PROGRAMME



Supported by
AI ETHICS COMMITTEE

SMARTIA

Digital Catapult helped Smartia win £500K funding and reduced its product development time

IMPACT

Smartia provides AI and industrial IoT technology to small and medium manufacturing and engineering companies, previously a poorly addressed segment that makes up 95% of the UK market.

Headcount increased from 5-13

Won £500,000 UK/Canada grant funded project

Revenue is over £300,000 with a pipeline of over £1.5 million

Closing first investment this year, having secured £750,000





Volta is a new user interface for music production and performance. It is an XR application for producers and performers.

Replacing knobs, buttons and sliders with space, interaction and movement, Volta makes audio production physically expressive, performative and artistic and makes creating spatial audio efficient and intuitive.

FURTHER DETAILS

 www.voltaaudio.com

 [@VoltaAudio](https://twitter.com/VoltaAudio)

 [voltaaudio](https://www.linkedin.com/company/voltaaudio)

PROGRAMME

Showcased at
SURROUNDSCAPES

VOLTA

Winning the Surroundscapes showcase has given Volta incredible exposure and validation

IMPACT

Created a new interactive and intuitive user interface

Won the Surroundscapes immersive sound showcase

Preparing for seed round investment and developing the alpha version of the platform

Working with the Royal College of Art as an academic partner






2019 SHORTLIST



VRM Tech has developed a building monitoring solution, which can integrate into a building's existing management system to collect operational data in relation to heat network efficiencies, air quality, mould detection and carbon impact, bringing together data in a powerful dashboard, which helps to monitor a building's environmental conditions enabling optimisation for inhabitants.

FURTHER DETAILS

-  www.vrmtech.ie
-  [@vrmtech](https://twitter.com/vrmtech)
-  [vrm-technology](https://www.linkedin.com/company/vrm-technology)

PROGRAMME



Working with Digital Catapult advanced VRM Tech's awareness, proof of concept and scalability

IMPACT

Won pilot project for the initial roll-out of 200 sensors with Camden Council with potential extension to 2,000

Generated a lead with Croydon Council, which has already converted £14,000 new business with anticipation for more

Pilot experience with LPWAN sensors enabled VRM Tech to win two H2020 innovation projects worth €850,000 funding to further grow its IoT offering and investigate new use cases



WILD AI

WILD.AI exists to create technology that elevates the capabilities of the female body, starting with an AI coach, to increase the physical potential of one million women by 2023.

FURTHER DETAILS

-  www.wild.ai
-  [@WILD_AI_Coach](https://twitter.com/WILD_AI_Coach)
-  [wildai](https://www.linkedin.com/company/wildai)

PROGRAMME



WILD.AI

Pitching at Digital Catapult's event contributed to WILD.AI business growth

IMPACT	
Introductions to partners, potential investors	Secured £400,000 funding
Attended pitch event and secured investment	Provoked thinking around data privacy and ethics
Enabled growth and confidence, through which it hired senior partners	Support on machine learning as well as marketing and sales support



THANK YOU

Many thanks to all the partner organisations that support the delivery of Digital Catapult's programmes and innovation activities, and to the judges who have kindly given their valuable time and expertise to identify the Platinum Award winners.

Interested in the next Platinum Awards?
Visit platinumawards.digicatapult.org.uk

 www.digicatapult.org.uk

 [@digicatapult](https://twitter.com/digicatapult)

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Digital Catapult
101 Euston Road
London NW1 2RA

digicatapult.org.uk

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