

Digital Catapult

The UK authority on advanced
digital technology

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Digital Catapult - the UK authority on advanced digital technology.

Our mission is to accelerate industry adoption of advanced technologies, driving growth in the UK economy.

We create new opportunities through collaboration and innovation.

WHAT WE DO:



Deliver specialised **acceleration** and **innovation programmes** aligned to industry challenges and themes



Build **testbed facilities**, run **pilots** and **proof of concepts** and test new **business models**



Facilitate **R&D projects**, inform **policy recommendations** and **lead research** on emerging tech trends

WHO WE WORK WITH:



Government
& public
sector



Startups &
scaleups



Corporates
and
industry



Investors



Academia



Catapult
network

DIGITAL CATAPULT FOCUS AREAS & PRIORITIES

We work across **five** fields of advanced digital technology

FUTURE NETWORKS
5G & IOT

ARTIFICIAL INTELLIGENCE
& DATA SCIENCE

IMMERSIVE TECHNOLOGY

DISTRIBUTED SYSTEMS

QUANTUM

Applied into **three** system application areas

VIRTUAL ENVIRONMENTS & CYBERPHYSICAL SYSTEMS

To enable the UK's cyber physical future through Metaverse & Digital Twins

DIGITAL & RESILIENT SUPPLY CHAINS

To drive greater resilience, trust and net zero across supply chains

OPEN & INTEROPERABLE DIGITAL INFRASTRUCTURE

To accelerate diversification, openness, interoperability and security

Delivering impact into industry across supply and value chains

AEROSPACE, DEFENCE
& SECURITY

TRANSPORT &
INFRASTRUCTURE

ENERGY &
UTILITIES

CREATIVE
INDUSTRIES

To achieve outcomes

EARLY ADOPTION

SUSTAINABILITY

How do we work with startups?

Innovate Edge - IUK Funded Access To RTO's & Catapults

Project Type	No. Projects
Innovation	18
Tech	4
TOTAL	£320,000





Programmes

Experiment

.....

Exploring the infrastructure and building blocks of new technologies

Validate

.....

Applications of new technologies, product and services into industry

Grow

.....

Targeted business and investor support to help startups and scaleups grow

Backbone

TECHNOLOGY
MIG, IMMERSIVE,
FUTURE NETWORK & 5G, DLT

INVESTMENT
INVESTMENT READINESS, ESG VC,
PITCH TRAINING

BUSINESS
PRODUCT, ETHICS, FOUNDER
SUPPORT, BUSINESS ANALYSIS

ASSETS & FACILITIES
TESTBEDS, VPS, CLOUD
COMPUTE, CAPABILITIES
PLATFORM

Grow Industrial Net Zero 2022

Key Highlights



FUTURESCOPE

CATAPULT
Digital

5

SCALING TECH
STARTUPS SCOUTED

We selected 5 high potential tech startups who are rapidly scaling their businesses and customer base, and intend to raise a Series A round within the next 12 months.

£11.5M

RAISED BY COHORT IN 16
WEEKS

We work with VC investors to enable founders to meet strategic investors and fundraising support from Day 1.

1:1

WORLD CLASS
MENTORSHIP

We believe specialist mentorship unlocks massive opportunities for founders so we work with experts, and ex-startup operators to provide leading support.

12+

HOURS OF DEDICATED
SUPPORT SESSIONS

We run workshops, roundtables, and 1:1 support sessions on critical topics such as hiring & scaling, board dynamics, sales and marketing, growth strategies, and investment.

How do we work with corporates?

Open Innovation

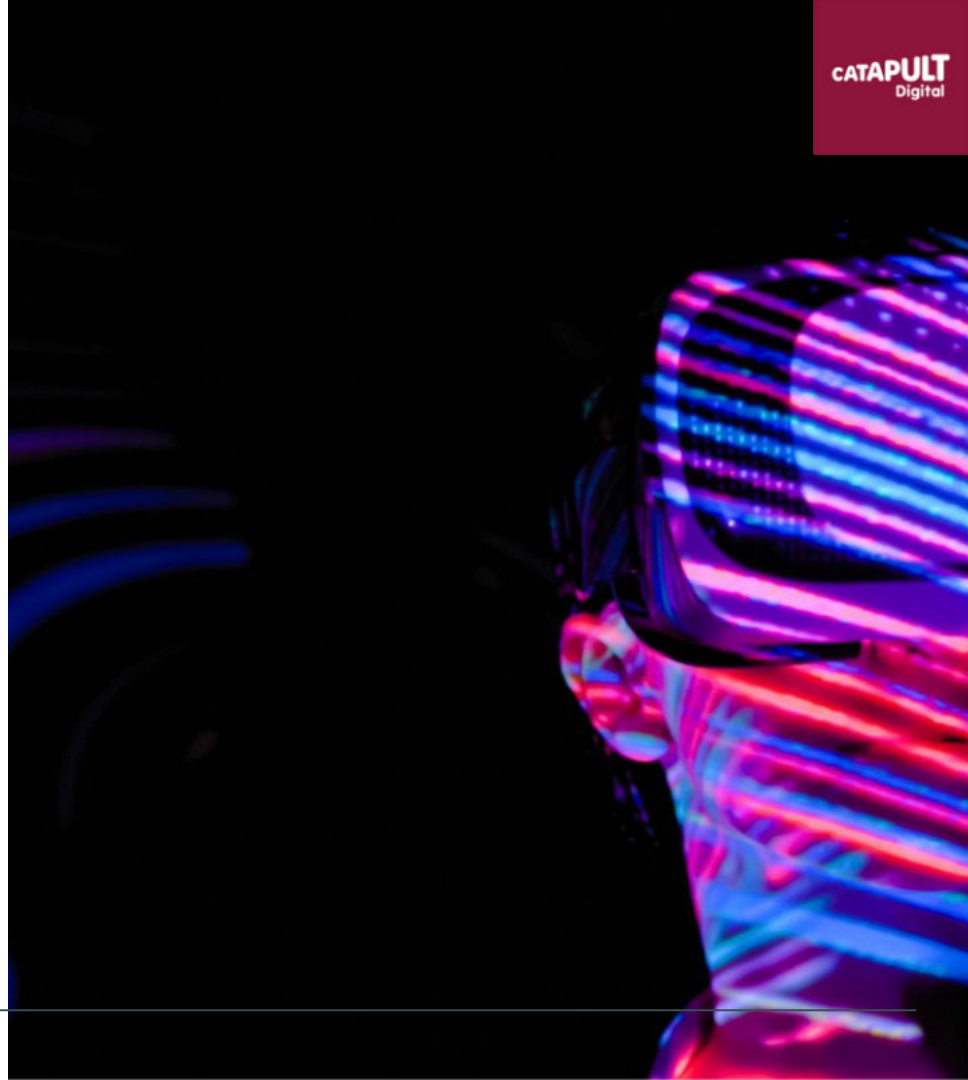
Igniting businesses' confidence to sustainably innovate through advanced digital technology

What do we do?

- We provide structured and analytical innovation guidance, bridging **technology relevance, problem/solution fit, and business viability** for our stakeholders.
- We have a **transversal view** across all DC covered technologies and sectors, which enables us to play a key role in cross pollination and success factors of experiments and innovation roadmaps for our clients.

Our Focus

- Look after **neutrality and impact** of innovation adoption approach on projects.
 - Support our stakeholders on figuring out where **best value for money** lies.
 - Help our stakeholders to move their innovation journey towards **exploitation phases**, get it closer to market.
 - Think strategically with **business stakes** in mind.
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Made Smarter Technology Accelerator

Project Overview

Made Smarter Technology Industry Accelerator is a £2m programme delivered by Digital Catapult, funded by UKRI through the Industrial Strategy Challenge Fund, as part of the national Made Smarter movement.

Digital Catapult Role

The programme helped to speed up the understanding of technology innovation and unlock the known benefits technology adoption has for the UK economy. It will achieve that by:

1. Working with both leading UK industrial companies along with the UK's pioneering digital technology innovation community to develop cutting-edge technology prototypes, MVPs and solutions to many of the UK's core manufacturing challenges.
2. Deliver business case analysis per solution to unlock investment for the industrial partners in order to scale and deploy the solutions.

**MADE
SMARTER**

Project Impact



60% improvement in design & engineering processes



71% improvement in manufacturing operations



49% improvement in procurement and supply chain performance



32% increase in adoption of cutting edge technologies and being in the forefront of their global competition

Partners

babcock

**NORTHUMBRIAN
WATER** *living water*

SAFRAN

Sainsbury's

GAF

verizon

oneills

software

BAE SYSTEMS

How do we work with
governments?

Beyond funding support for SMEs

4 SMEs to received up to £45,000 to bring their innovative solution to the next level from IUK.

Additional support on International Market Readiness, Human-centred Design, Business Case analysis.

Tackle industrial level challenges

Applying IoT, Immersive, AI or DLT to help achieve:

Material Resource Optimisation

Zero Waste Manufacturing

Collaborate with Indian corporates

Programme collaborators included Tata Steel, TCS, Godrej Aerospace & Johnson Matthey.

Corporate provided expertise to work with SMEs to better align with Indian market expectations.

Showcase the demonstrator

4 selected SMEs had 3 months to build their demonstrator.

Showcase held in front of key players in the ecosystem and potential investors.

Opportunity for Startups

Made Smarter Innovation Sustainability Accelerator

Made Smarter Innovation Sustainability Accelerator (MSISA) is a national programme designed for the UK manufacturing industry to accelerate industrial sustainability and leverage cutting-edge technologies to drive environmental impact. Leading startups will be provided with up to £75,000 to develop challenge focused prototypes.

Funded by Innovate UK as part of the national Made Smarter movement and delivered by Digital Catapult and High Value Manufacturing Catapult.

Market Failure

The programme is aimed at supporting the manufacturing sector's transition to net zero emissions in alignment with the UK Government's environmental goals. The manufacturing sector contributes over 11% to UK Gross value added (GVA) and 12% of UK greenhouse gas (GHG) emissions. Policymakers set out a target reduction of CO2 emissions by 4.5% (Made Smarter Review, 2017) and a legally binding target of 68% reduction in GHG emissions by 2030 (Net Zero Strategy).

Next Steps

Registration of interest and more information at <https://accelerator.madesmarter.uk/register-your-interest-msisa/>

Get in touch

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