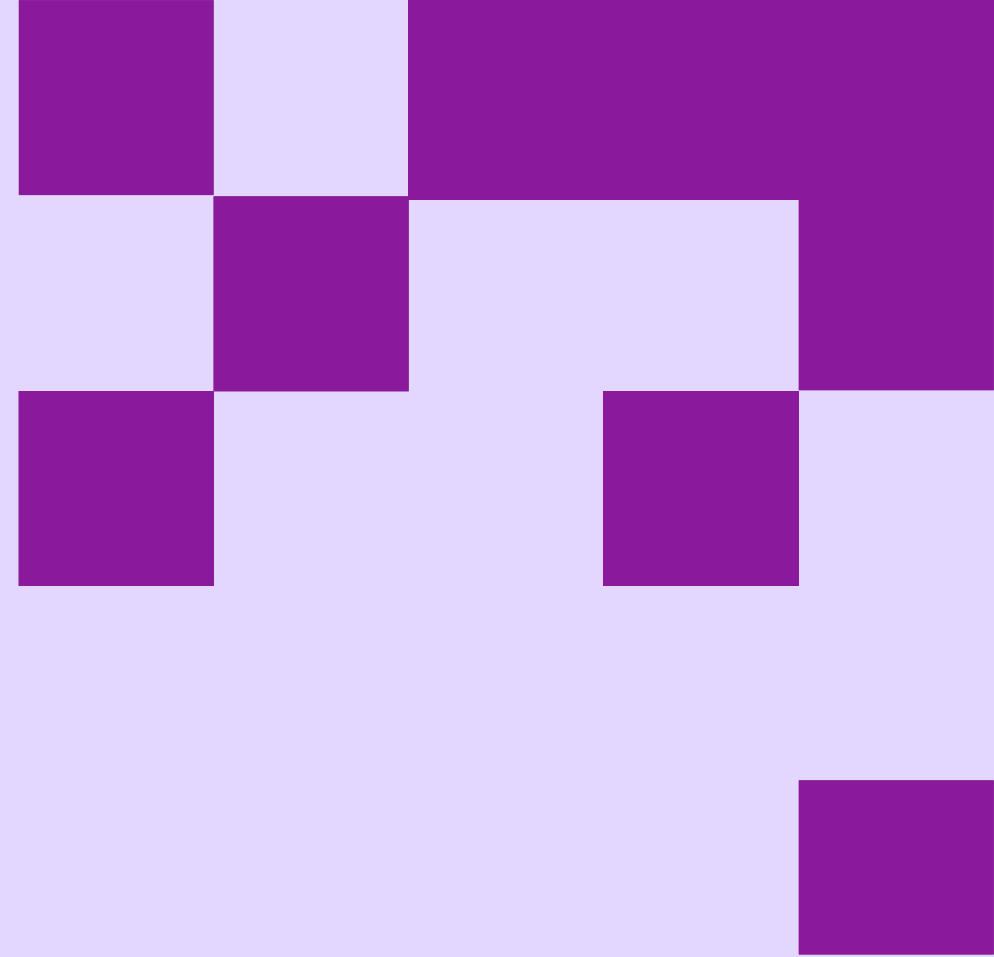


■ INNOVATE UK  
■ Connected  
■ Capabilities (CC)  
■ Workshop



17th June 2026  
1 America Square

## Connected Capabilities Workshop

**Winn Faria**

**Innovate UK Business Connect**

**Email:** [winn.faria@iukbc.org.uk](mailto:winn.faria@iukbc.org.uk)

17th June 2026



Use the above QR code, or go to [menti.com](https://menti.com) and enter the code 4632 7615, to submit your questions for our final Q&A

**Innovate UK Business Connect** is part of UK Research and Innovation (UKRI) and is a strategic delivery partner to Innovate UK



We are part of UKRI, working to advance knowledge, improve lives, and create growth



We are a strategic delivery partner to Innovate UK, working to accelerate innovation



We build the trusted connections, collaborations and intelligence that accelerate business innovation for the nation



Use the above QR code, or go to [menti.com](https://menti.com) and enter the code 4632 7615, to submit your questions for our final Q&A



*From corporate deck, correct as at June 2026*

## Agenda

09.15 – 10.00 – Arrival & Registration

10.00 – 10.10 – Welcome and Introduction - Winn Faria

10.10 – 10.15 – Lorefully - Barrie Diffin, CEO

10.15 – 10.35 – Presentation of IUK & CC strategy (20 mins)

10.35 – 10.55 – Q&A (20 minutes)



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## Agenda

10.55 – 11.25 – Facilitated Workshop (30 mins)

11.25 – 11.55 – Coffee Break

11.55 – 12.25 – Facilitated Workshop (30 mins)

12.25 – 13.25 – Lunch

13.25 – 15.00 – Deep Dive breakout sessions



Use the above QR code, or go to [menti.com](https://www.menti.com) and enter the code 4632 7615, to submit your questions for our final Q&A

## Agenda

15.00 – 15.10 – Coffee Break move to main room for plenary

15.10 – 15.25 – Reflections on the Round 5 question

15.25 – 15.50 – Panel Session: Coming together afterward for a panel session to answer Menti questions

15.50 – 16.00 – Summary of the day, next steps

16.00 – Close



Use the above QR code, or go to [menti.com](https://www.menti.com) and enter the code 4632 7615, to submit your questions for our final Q&A

- INNOVATE UK
- New Approach
- Prospectus

Agata Samojlowicz  
Head of Operational Security and Resilience  
[Agata.Samojlowicz@iuk.ukri.org](mailto:Agata.Samojlowicz@iuk.ukri.org)

## OUR VISION AND MISSION

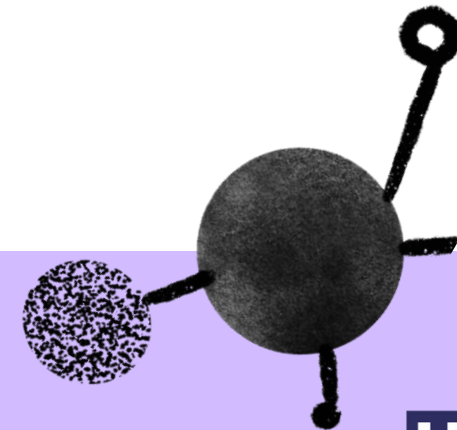
### OUR VISION

Our vision is for a UK where breakthrough ideas become industry giants.

### OUR MISSION

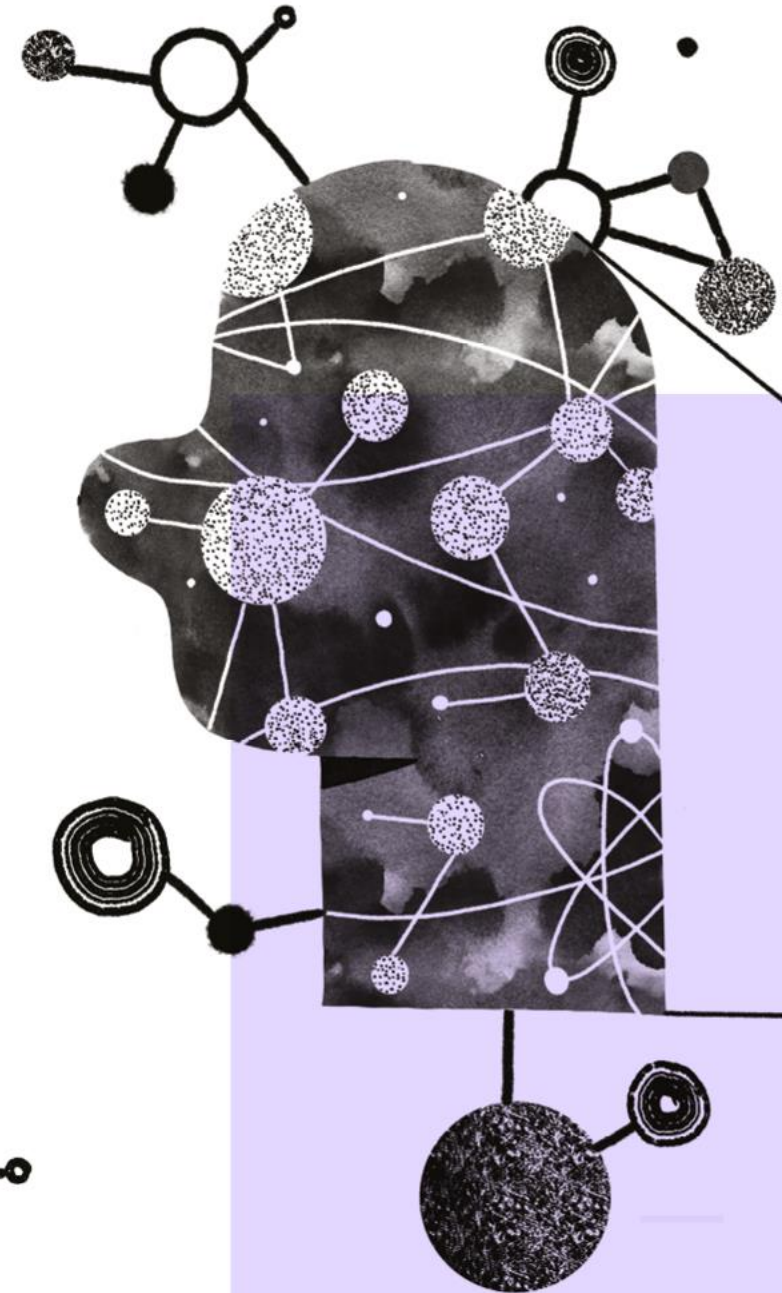
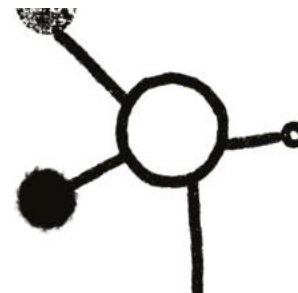
Our mission is to accelerate business innovation for the nation.

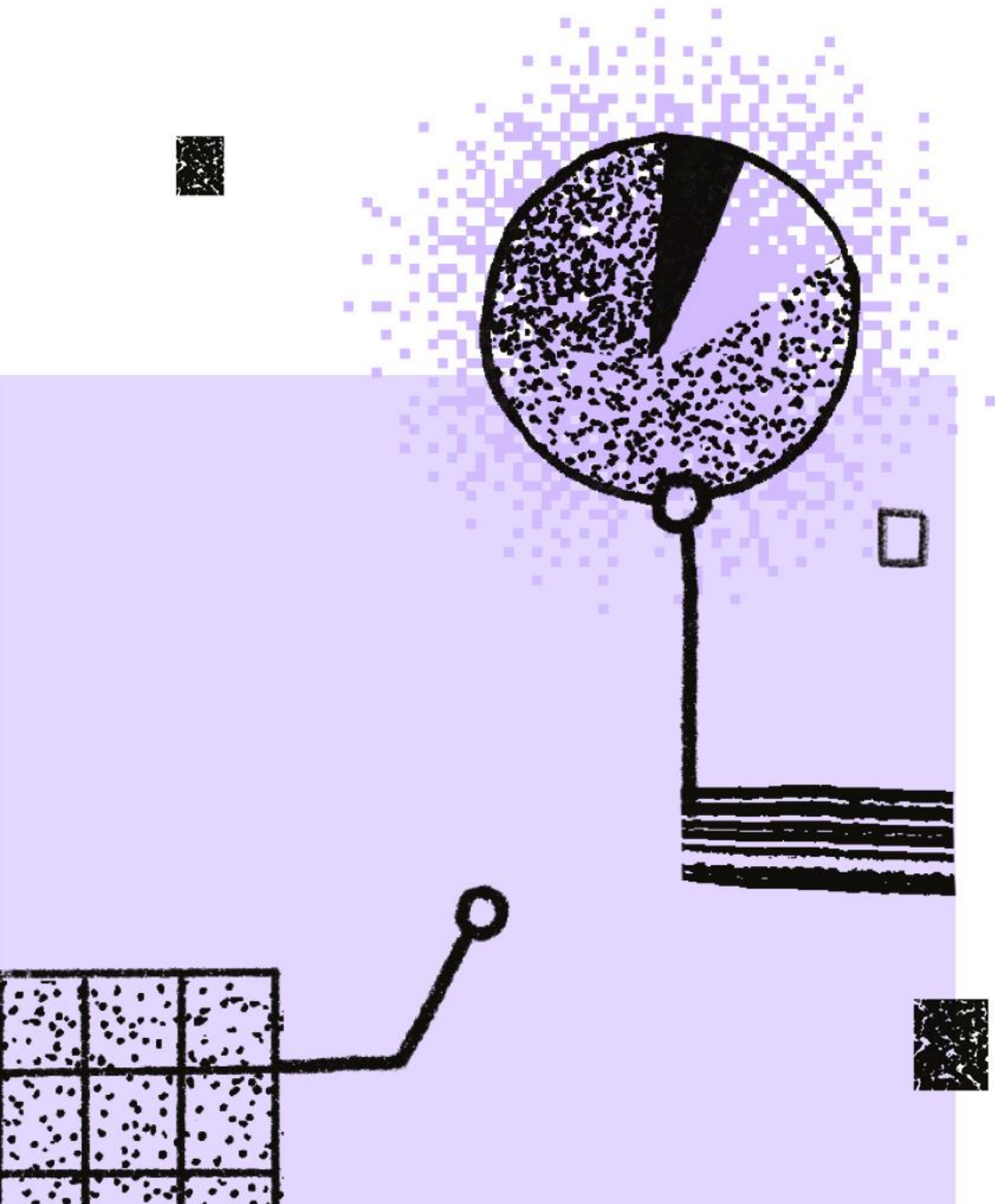
We will help breakthrough technologies become scalable businesses – turning innovation into commercial and economic growth.



## THE OPPORTUNITY

- UK's discovery research base, spanning the public and the private sectors, is world leading.
- We will help breakthrough technologies become scalable businesses – turning innovation into commercial and economic growth.





## WHO WE BACK

- Our focus will be on the UK's deep and hard tech innovators: businesses based on significant scientific or engineering breakthroughs that deliver step changes in capability and value.



## WHERE WE FOCUS

- Our priorities are shaped by the UK Government's Modern Industrial Strategy and its Plan for Change missions.





## | WHAT WE OFFER

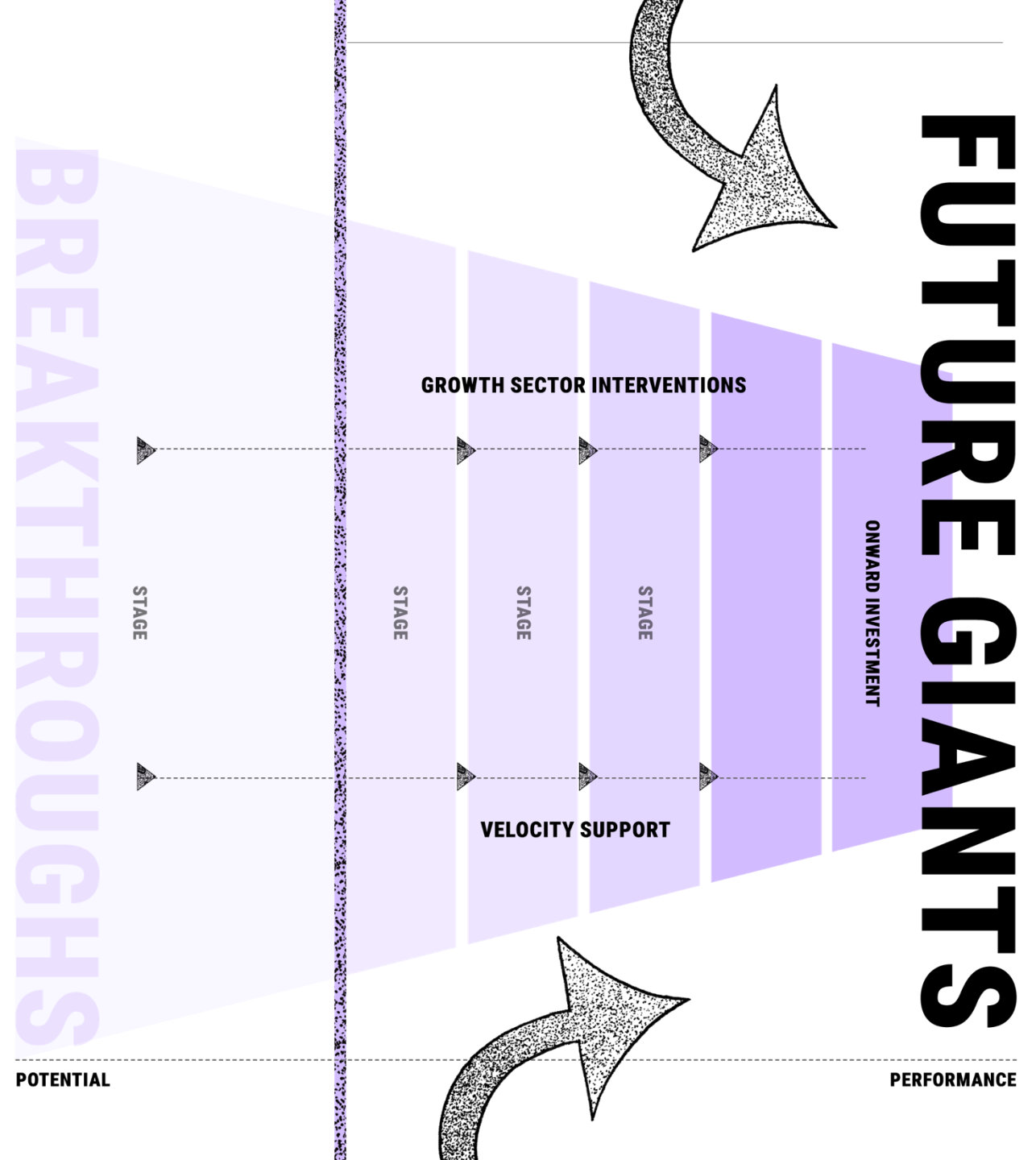
- We are reshaping to provide an integrated, end-to-end offer, built around the needs of each business: **not a one-size-fits-all approach.**
- **We support the journey from innovation to growth.**

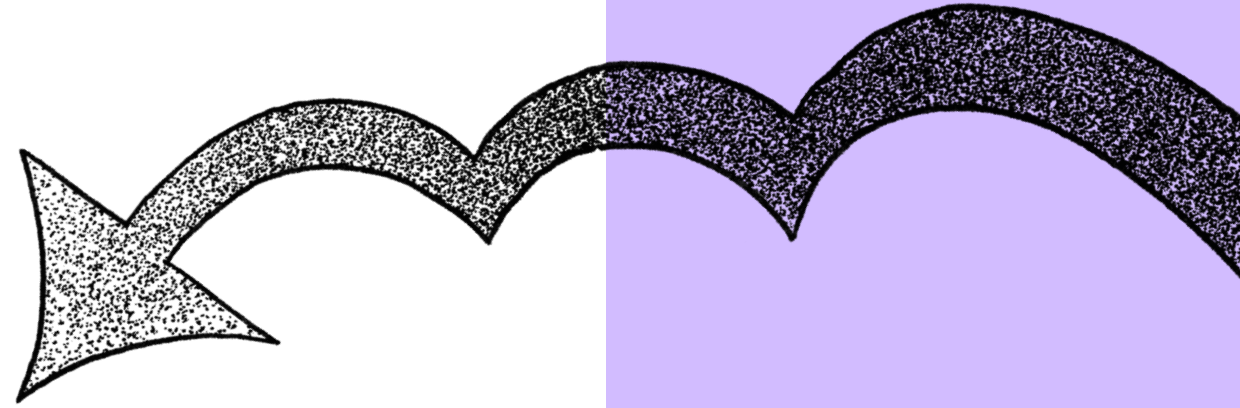
## HOW WE WORK: THE INNOVATION UK MODEL

**Identifying Innovate UK's high potential businesses:** signals of potential, signs of performance

**Growth sector teams:** deep sector expertise and active portfolio management

**Velocity:** a concierge approach to growing innovative businesses





## IDENTIFYING INNOVATE UK'S HIGH POTENTIAL BUSINESSES: SIGNALS OF POTENTIAL, SIGNS OF PERFORMANCE

We will be assessing for:

### Signals of potential

- novel idea
- strong team
- credible technology
- clear market
- resources to progress

### Signs of performance:

- evidence that potential is being translated into business progress and growth

## OBJECTIVE OF TODAY

Across the workshop streams we aim to:

- **Validate the key challenges**, market gaps, and barriers affecting development, integration and adoption
- **Test current thinking on CC** design and intervention approaches against stakeholder perspectives and market need.
- **Explore the conditions required** to support trusted, scalable and procurable solution.
- **Gather qualitative evidence** on the conditions under which public investment can be most effective
- **Inform the strategic rationale** and evidence base that will underpin future investment proposals



■ **INNOVATE UK**  
■  
■ **Connecting Capability**  
■  
■

Georgios Papadakis  
Senior Innovation Lead – Secure Computing Systems  
[Georgios.Papadakis@iuk.ukri.org](mailto:Georgios.Papadakis@iuk.ukri.org)

# UK's world-class technology -v- Overseas-controlled architectures & integration pathways



## Semiconductors

UK is leading in chip design, IP and architecture. Strong ecosystem spanning compound semiconductors, photonics, power electronics and hardware security.

*UK chip IP reaches market only when designed into a platform by a system integrator. That integration decision — and the commercial relationship that flows from it — sits with a small number of overseas-controlled platform owners.*

**The gap:** Semiconductor buyers are platform and system builders. UK chip IP must be designed into their platforms to reach market — and that integration decision sits with a small number of overseas-controlled platform owners.



## Telecoms / Advanced Connectivity Technologies

UK has strong university research base with significant IP in RF technology, signal processing, optical networking and Open RAN / disaggregated architectures.

*UK comms IP can only reach scalable commercial value if adopted by one of the five vendors controlling 95%+ of the global RAN market. The terms of that adoption are set by those vendors — not by UK companies.*

**The gap:** 5 vendors control 95%+ of the global RAN market. UK comms IP must pass through that integration layer to reach network buyers — on terms set by those vendors.



## Cybersecurity

UK has one of the strongest cyber sectors, with a thriving commercial industry spanning tooling, testing, managed services and a world-class national centre in NCSC.

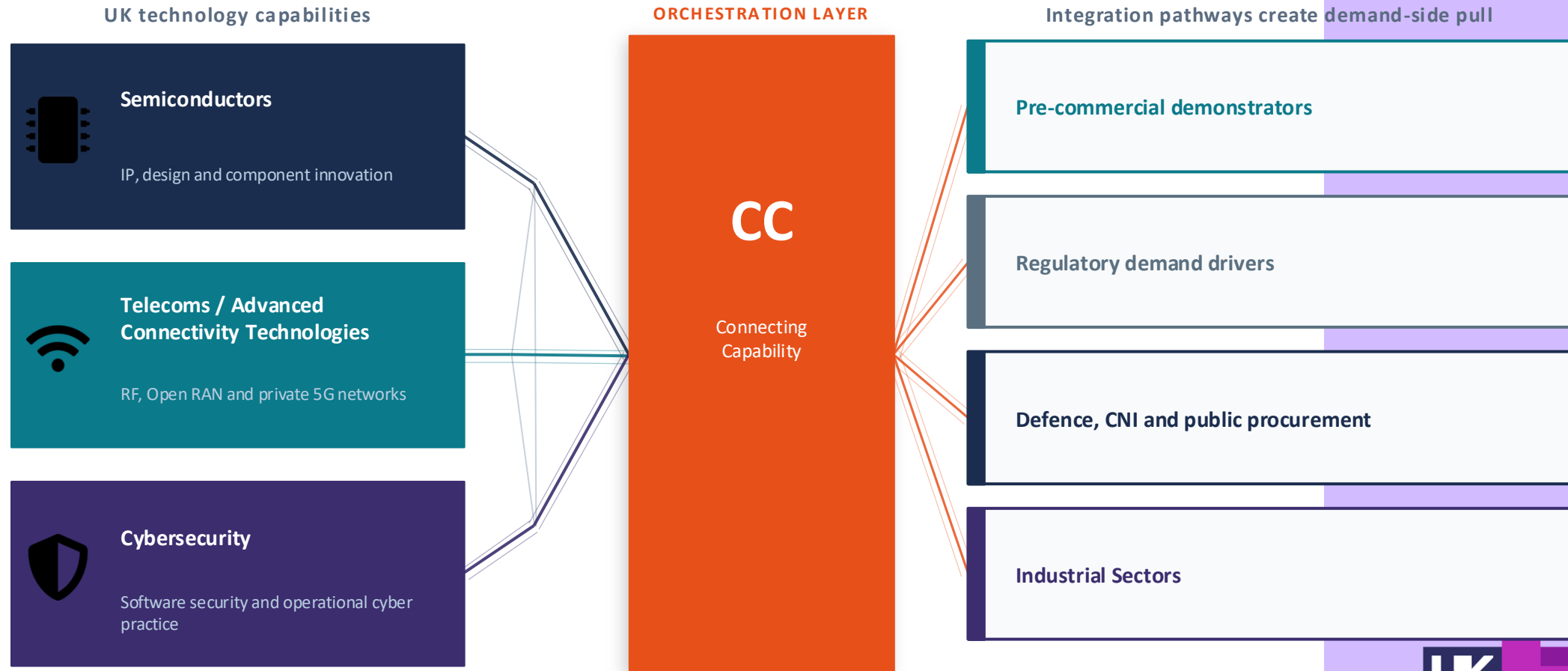
*UK cyber companies need deployment evidence in real operational environments to scale commercially. Access to those environments is controlled by critical sector operators — and without a route in, promising solutions cannot reach commercial scale.*

**The gap:** Without access to real operational environments, UK cyber companies cannot generate the deployment evidence that critical sector procurement requires. The route to market is through integration.

*The route to these markets runs through integration — and the integration layer is currently controlled overseas.*

# Connecting Capability as the orchestration

Creating UK-anchored integration pathways that turn component IP into procurable, deployable solutions



Component / Technology IP



UK-Anchored Integration



Deployable - Procurable - Scalable  
UK Solution(s)



Innovate  
UK

# Connecting Capability in action

Each competition funds the act of integration - not development in isolation. Together they form a pipeline from component readiness to real-world deployment.



### Semiconductors & Smart Electronic Systems

GBP18.5m



### SNPN 5G Assured Systems Integration

GBP18.5m



### Secure Software for Resilient Growth

GBP5m



### Cyber Scale in Critical Sectors

GBP3.5m

## COMPONENT READINESS

## SYSTEM INTEGRATION

## TRUST BY DESIGN

## REAL-WORLD DEPLOYMENT

Matures UK semiconductor components into consumable formats ready for third-party integration into Smart Electronic Platforms.

Directly addresses the system-level integration gap — combining multi-vendor UK comms components into assured end-to-end architectures.

Embeds security into the software supply chain so that what gets integrated carries assurance from the outset, not bolted on afterwards.

Takes TRL7 cyber solutions and integrates them into live operational environments — the final step that unlocks commercial scale.

Funding competition  
**Semiconductors and components for smart electronic platforms**

UK registered businesses can apply with CR&D or R&D projects for a share of up to £18.5 million to mature and accelerate the availability of components that include semiconductors or novel technologies ready for integration into Smart Electronic Platforms

**Competition opens:** Friday 20 February 2026  
**Competition closes:** Wednesday 1 April 2026 11:00am

▲ This competition is now closed.

Start new application

Summary Eligibility Scope Dates How to apply Supporting information

**Your proposal**

The aim of this competition is to drive forward the availability of a UK anchored catalogue of components, ready for integration and delivery into next generation smart electronic platforms. The target sectors for these platforms will be across industrial and tactical edge environments for automation and autonomy.

Funding competition  
**SNPN 5G Assured Integration (CR&D)**

UK registered organisations can apply for a share of up to £18.5 million to integrate UK anchored advanced connectivity components at a system level into technically assured, end to end architectures ready for early market evaluation.

**Competition opens:** Tuesday 3 March 2026  
**Competition closes:** Wednesday 1 April 2026 11:00am

▲ This competition is now closed.

Start new application

Summary Eligibility Scope Dates How to apply Supporting information

**Your proposal**

The aim of this competition is to overcome the system level integration gap that prevents high value UK advanced connectivity components from forming complete, procurable solutions.

Your project must:

Funding competition  
**Secure Software for Resilient Growth**

UK registered organisations can apply for a share of up to £5 million for collaborative projects that enable adoption of the Government's Software Security Code of Practice to drive growth of secure and resilient software supply chains.

**Competition opens:** Monday 16 March 2026  
**Competition closes:** Wednesday 29 April 2026 11:00am

▲ This competition is now closed.

Start new application

Summary Eligibility Scope Dates How to apply Supporting information

**Your proposal**

The aim of this competition is to drive the growth of secure and resilient software supply chains in the UK, through the adoption of the Software Security Code of Practice (SSCoP).

The Codes of Practice, and the UK government's Cyber Essentials scheme, set out good practices to reduce cyber security risks which are not being sufficiently addressed by industry.

Funding competition  
**Contracts for Innovation: Cyber scale in critical sectors**

Organisations can apply for a share of up to £3.5 million inclusive of VAT, to develop, demonstrate and commercialise their cyber security solution in real end user environments within critical sector organisations.

**Competition opens:** Friday 1 May 2026  
**Competition closes:** Wednesday 10 June 2026 11:00am

▲ This competition is now closed.

Start new application

Summary Eligibility Scope Dates How to apply Supporting information

**Your project**

The aim of this competition is to support cyber security organisations in their growth efforts by demonstrating the operation and value of their innovative solutions in real world environments within critical sector organisations.

Funding is targeted at promising cyber security organisations, with solutions at Technology Readiness Level (TRL) 7 and potential to commercialise and grow at scale.



# From Component Excellence to Deployable Systems



## RESEARCH & INNOVATION

- Universities and research
- Catapults and research centres
- UKRI
- DSIT programmes and missions



## TECHNOLOGY & COMPONENTS

- Semiconductors and devices
- RF and photonics
- AI and data
- Cybersecurity and trust
- Network technologies



## SYSTEMS & SOLUTIONS

- 5G / 6G networks
- Non-Terrestrial Networks (NTN)
- Open RAN and network software
- Private networks and edge
- Integrated systems and solutions



## DEPLOYMENT & ADOPTION

- Mobile network operators
- Enterprises and industry
- Utilities and infrastructure owners
- Infrastructure and asset owners



## IMPACT

- Growth
- Productivity
- Economic security
- Sovereign capability

## ECOSYSTEM ENABLERS



**INVESTMENT**  
Access to capital and patient funding



**SKILLS**  
Talent pipeline and capability



**SECURITY**  
Resilience, cyber and supply chain



**STANDARDS**  
Interoperability and global alignment



**REGULATION**  
Pro-innovation policy and regulation

# Assured 5G (Advanced Connectivity Technology)



# Outcomes: What Success Looks Like



## FOR UK INDUSTRY



**More UK companies scaling**  
through deployment  
rather than acquisition



**Stronger supply chains**  
built around integrated  
UK capabilities



**Increased private investment**  
through proven  
commercial opportunities



## FOR GOVERNMENT



**Greater sovereign capability**  
in critical technologies



**Increased resilience**  
across critical national  
infrastructure



**Security embedded by design**  
across deployed systems



## FOR THE ECONOMY



**Higher productivity**  
through technology  
adoption



**Stronger international competitiveness**



**New UK industry leaders**  
built from UK innovation



**Connecting Capability closes the gap between innovation and adoption – ensuring UK technologies create economic value, security and growth here in the UK.**

## Deep Dive Session, Main Connected Capability session

### Question 1:

Would you agree that Connecting Capability is a pathway to growth and why?

If not, what is missing?

### Question 2:

Does the proposed Connecting Capability concept address genuine integration and friction points and why?

If not, what is missing?



Use the above QR code, or go to [menti.com](https://menti.com) and enter the code 4639 0139, to submit your responses to these questions virtually

## Deep Dive Session, Main Connected Capability session

### Question 3:

How do you see your organisation benefitting from Connecting Capability?

### Question 4:

What needs to change in the current ecosystem to enable businesses to grow and scale from Connecting Capability?



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■ INNOVATE UK

■ Deep Dive Session

5 Questions

# Cyber Security

# CYBER SECURITY

- UK as a global leader in trusted, resilient tech
- Enabling innovative startups with high-potential ideas
- Scaling the UK supply chain and skills

## Sector Data:

- Employs 69,600 FTE (+3% since 2024)
- 2,603 companies (+20%)
- £11.7bn revenue (+11%) and £9.1bn GVA (+17%)
- £184m in investment deals
- Board-level responsibility for cyber increase to 31% (from 27%), reversing a downward trend since 2020/2021.

Department for Science, Innovation & Technology  
Cabinet Office

Rt Hon Liz Kendall MP  
Secretary of State for Science, Innovation and Technology  
22-26 Whitehall  
London SW1A 2EG

Dan Jarvis MBE MP  
Security Minister  
Home Office and Cabinet Office  
70 Whitehall  
London SW1A 2AS

15<sup>th</sup> April 2026

Dear business leaders,

**OPEN LETTER TO BUSINESSES ON AI CYBER THREATS**

We are writing to you because the threat your business faces in cyber space is changing, and the way we respond must change with it.

For years, the most serious cyber attacks have relied on a small number of highly skilled criminals. That is no longer the case. Today, many businesses are capable of doing work that once only large organisations could do. Software, writing the code, and testing it, are now tasks that can be automated. What would have been impossible for a small business is now possible for a large one.

Last week, AI firm Anthropic, in partnership with the AI Security Institute - one of the leading AI security organisations of Frontier AI - has found it difficult to find a model that can be used to evaluate AI. This is the first time we have previously seen a model that can be used to evaluate AI. This is the first time we have seen the AISI's evaluation of AI accelerating even faster than the model itself.

UK Parliament

Parliamentary Bills

UK Parliament > Business > Legislation > Parliamentary Bills > Cyber Security and Resilience (Network and Information Systems) Bill

**Cyber Security and Resilience (Network and Information Systems) Bill**

Government Bill

Originated in the House of Commons, Sessions 2024-26, 2026-27

Last updated: 12 June 2026 at 16:42

**A UK CYBER GROWTH ACTION PLAN**

Recommendations for Government and Industry  
An Independent Centre for Sectoral Economic Performance report  
Katie Cooper, Alex Greenwood, Chris Hankin, Lisa Kehoe, Ola Michalec, Martin Sadler, and Simon Shiu (Lead Author)

National Cyber Security Centre

Advice & guidance Respond to a cyber attack Find a product or service Educate



Software supply chain attacks: check your dependencies

Attackers are compromising open source packages to spread malware. Cyber defenders are asked to review dependencies to reduce risks

Anthropic suspends new AI tools over US government security concerns

European Commission

Shaping Europe's digital future

Home Policies Activities News Library Funding Calendar Consultations AI Office

Strengthening Europe's Tech Sovereignty

Tech sovereignty is Europe's ability to act independently in the digital world by developing and controlling key technologies, data, and infrastructure, while reducing reliance on non-EU providers.

**The Tech Sovereignty package**

On 3 June 2026, in a major shift in its approach to technology, the European Commission adopted an ambitious set of measures to bolster the EU's digital autonomy.

The package includes:

- two legislative proposals: the Chips Act 2.0 and the Cloud and AI Development Act
- the EU Open Source Strategy
- a Strategic Roadmap for Digitalisation and AI in Energy

Download the Commission's Communication on European Tech Sovereignty

Quick Links

- Press release - Technological sovereignty package sets out path for Europe's digital sovereignty
- Text of the Communication on European Tech Sovereignty
- Factsheet: Tech Sovereignty
- Scientific brief: From dependency to resilience
- The Open Source strategy
- Cloud and AI Development Act
- Chips Act 2.0
- Strategic Roadmap for Digitalisation and AI in Energy



## Deep Dive Session, Main Connected Capability session

### Round 1: SWOT

Q: How would you characterise the current state of this sector in the UK today?

Create a SWOT

### Round 2: Market Barriers

Q: What is needed to enable successful real-world adoption and deployment?

## Deep Dive Session, Main Connected Capability session

### Round 3: Investment

Q: Where could targeted investment deliver the greatest impact?

### Round 4: Sector Intervention Design

Q - If Innovate UK were to support this sector, what would make the biggest difference?

## Deep Dive Session, Main Connected Capability session

### Round 5: Wrap up

Q - After hearing about the problems/challenges; How do we work together across the sectors to integrate Connected Capability?



■ INNOVATE UK

■ Deep Dive Session

5 Questions

# Assured 5G / Advanced Connectivity Technologies

# From Component Excellence to Deployable Systems



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# Connecting Capability for Smart Electronic Systems (CC-SES)

CC-SES provides the foundational integration layer for AI at the industrial and tactical edge — secure, sovereign, and deployable

## UK SEMICONDUCTOR & COMPONENT CAPABILITIES

### SENSE – ‘Eyes & Ears’

Sensing components provide the platform's interface with the physical world (e.g. image sensors, optical, acoustic). These 'eyes and ears' translate physical environmental signals into the high-fidelity digital data required for analysis.

### DECIDE – ‘Brain’

Processing, AI acceleration, and related memory and storage components form the platform's 'brain' — providing the secure, resilient hardware environment where intelligent analysis, command-and-control, and real-time decision-making occur. >

## THE INTEGRATION CHASM

*The UK has world-class component technologies but no domestic integration tier — no pathway from sovereign components to deployable Smart Electronic Platforms*

## SES SCALE-UP & GROWTH

### Platform demonstration & validation

*Integrated platforms validated against Tier 1 and end-user requirements*

### Insertion into global supply chains

*UK-anchored platforms entering defence, automotive and industrial solutions*



## SMART ELECTRONIC PLATFORMS · AI EDGE INTEGRATION LAYER

### ACT – ‘Decision into action’

Actuation and physical drive components translate digital decisions into physical movement or system regulation, including the integrated drivers and interface units required for off-platform actuation and power control.

### ENABLE – ‘Backbone & nervous system’

Enablement components serve as the platform's 'backbone and nervous system' — providing critical blocks for data movement, power management, and layered security (HSMs, Root of Trust, secure enclaves) that ensure the system is trusted and resilient.

## CC-SES ADDRESSES THIS BY

- Maturing sovereign components to integration-readiness: UK-anchored catalogue of reusable components
- Building UK heterogeneous integration capability at Smart Electronic Platform level
- Validating Smart Electronic Platforms with Tier 1 partners and end-users at scale

### Private investment pull

*Validated proof points unlock co-investment and de-risk hardware scale-up*

### UK business growth & GVA

*UK innovators competing in high-value integrated systems markets, not just component supply*

## Deep Dive Session, Main Connected Capability session

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15.50 – 16.00 – Summary of the day, next steps

## Support up to and on the day

### **Laura Smith**

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## Support up to and on the day, SME's

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### **Marta Fernandez Aguilar**

Innovation Lead – Digital Resilience and Cybersecurity

Innovate UK

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## Subject Matter Experts

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Knowledge Transfer Manager - Cyber Security

Co-Director, CyberASAP

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[robin.kennedy@iukbc.org.uk](mailto:robin.kennedy@iukbc.org.uk)

■ INNOVATE UK

■ Thank you for listening