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UK



## The role of 5G and geospatial data as enablers of the connected transport revolution

Working with 5G, geospatial and other technologies to solve transport challenges and to achieve ubiquitous connectivity in mobility.

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# Innovate UK

A stylized, glowing blue wireframe graphic of a hand, symbolizing innovation and connection. The hand is composed of numerous interconnected points and lines, creating a mesh-like structure. The lighting is bright blue, with some points appearing as small stars or bright spots. The background is dark blue, making the glowing hand stand out prominently.

Innovate UK drives productivity and economic growth by supporting businesses to develop new ideas.

We connect businesses to the people that can help them, and fund businesses and research collaborations in all economic sectors, value chains and UK regions to accelerate innovation.



## Digital Security by Design

This challenge aims to tackle the most damaging cyber security threats, helping to ensure the UK remains one of the safest places to do business online. It aims to ensure every UK organisation and consumer is as resilient to cyber threats as possible.

### The vision

By 2025, the ISCF Digital Security by Design challenge aims to overcome the market failures and radically update the foundation of the insecure digital computing infrastructure that underpins the entire economy.

Investing **£70 million** from Gov, with over **£117 million** of business co-investment supporting significant collaboration to answer the vision



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## The Need

Traffic congestion  
Pollution  
Safety  
EV's  
CAV  
Freight & logistics  
Roads  
UAV's  
Route optimisation

## The Challenges

Data  
Connectivity – urban and rural  
Speed  
Coverage  
Cost





## The Geospatial Solutions

Geospatial Commission are funding projects in:-

- earth observation and satellite-derived data
- artificial intelligence or machine learning algorithms applied to spatial datasets
- internet of things (IoT) sensors capturing spatial information
- surveying, 3D laser scanning or spatial imaging
- advanced geographic information systems analysis or geovisualisation and environment modelling

**Theme 1: mobility as a service**

**Theme 2: active travel**

**Theme 3: supply chains**

**Theme 4: increasing capacity**



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Thank you

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