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# Spotlight On ...

## Borderlands 5G Innovation Region

Cumberland Council - Borderlands Partnership

# Borderlands 5G Innovation Region

UKTIIN Presentation 25<sup>th</sup> September 2024



[www.borderlandsgrowth.com](http://www.borderlandsgrowth.com)

# Borderlands 5G Innovation Region

- The Borderlands Inclusive Growth Deal is a collaboration between the counties which make up the English and Scottish borders.
- Rural tourism is a key part of the Borderlands economy: the region has fewer than 1 million residents but welcomed more than 63 million visits in 2019.
- In December 2023, following a competitive bid process during summer 2023, the Borderlands Region was awarded £3.8m of funding by the Department for Science, Innovation and Technology (DSIT) to deliver a programme to demonstrate the commercial opportunities for advanced wireless technology in a rural tourism setting.



Lake Windermere

- The funding is managed by Cumberland Council on behalf of the Borderlands Partners and must be spent by March 2025 but during the lifetime of the initial programme the Borderlands Partners will explore opportunities for follow on funding or other options to expand the programme.
- The Borderlands 5GIR programme is managed by Connecting Cumbria.

# Borderlands 5G IR Programme

- The Borderlands 5GIR Programme will focus upon the deployment of 5G to support tourist operations and the visitor experience at 5 venues:

- Destination Tweed
- Kielder
- The Sill at Hadrian's Wall
- Stranraer Marina
- Windermere Ferry



- It is anticipated that additional venues will be selected for further deployment after March 2025. The area represented by the Borderlands 5GIR and the location of the five initial venues is illustrated below.

# Our Supplier - AWTG

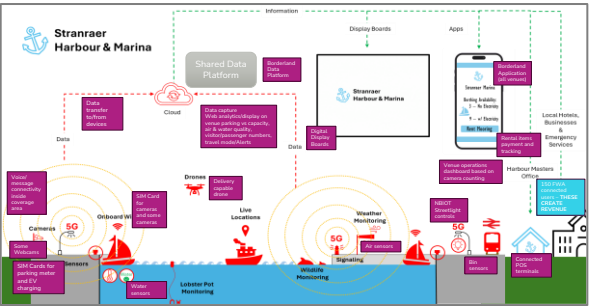
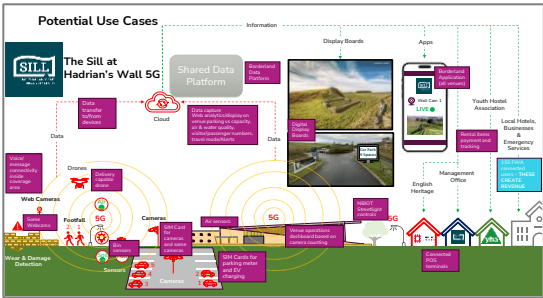
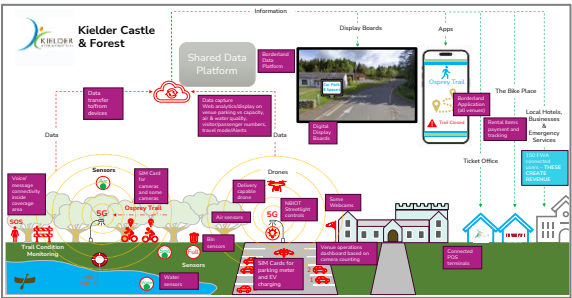
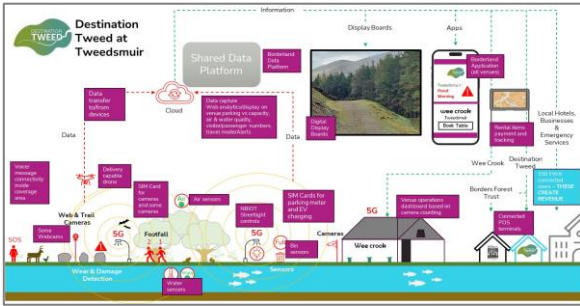
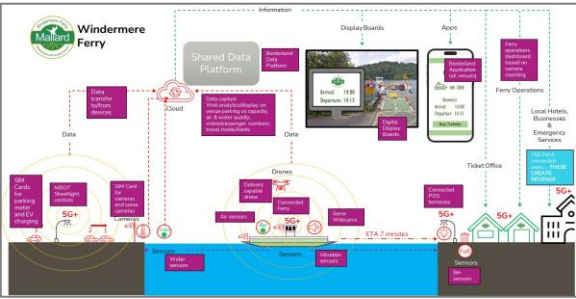
- AWTG is the successful supplier for the Borderlands 5GIR programme
- AWTG is an end-to-end engineering services and technology solutions provider operating in Telecommunications, Immersive Tourism, Smart Education, Smart Cities, Smart Retail and Shopping, Industry 4.0, Smart Health, New Media, Internet and other markets that employ digital technologies
- AWTG has a proven track record of delivering 5G programmes in the UK
  - AWTG is the technology partner on the Sunderland 5G programme which will see the city establish itself as one of the UK's leading smart cities
  - AWTG is part of the SCONDA (Small cells ORAN in Dense Areas) project which built, integrated, optimised and delivered an Open RAN network in Glasgow City Centre



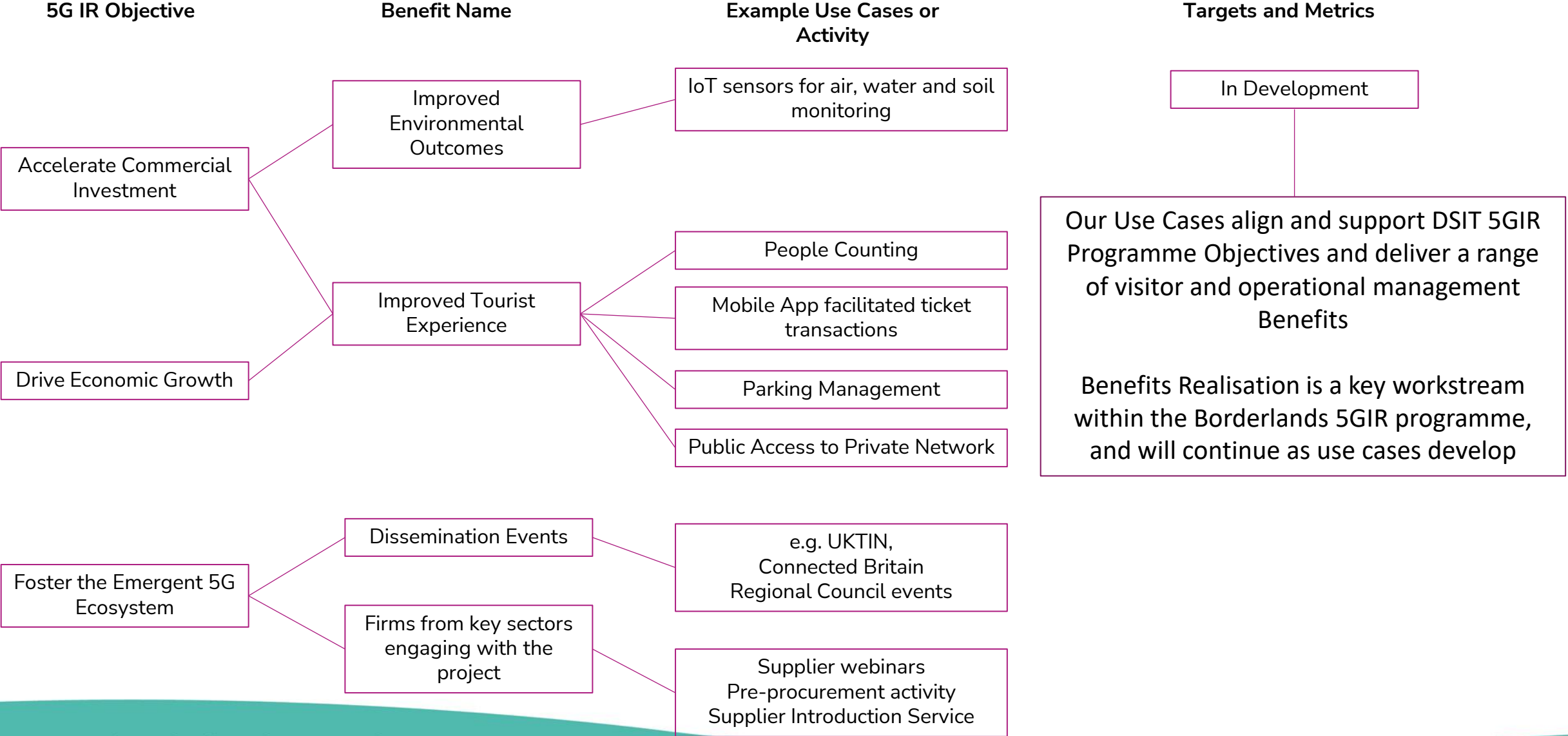
# How the solution will be used

The solution has many uses

- Many use cases are common to most, or all Venues
- Some are specific to individual venues
- Programme stakeholders from across the Borderlands region have helped to identify and prioritise the use cases that will be delivered and demonstrated by the end of the DSIT 5GIR funding period, 31<sup>st</sup> March 2025
- Priority use cases identified:
  - Person Counting
  - Car parking management
  - Environmental Monitoring
  - Support App for ticketing
- We have an extensive database of use cases that can be developed and supported beyond the initial funding window to deliver further benefits



# Example Benefits [Placeholder]



# Post 31<sup>st</sup> March 2025 – what next?

- The Programme is designed to run beyond the initial Funding Period which ends on 31<sup>st</sup> March 2025
- The initial use cases will be developed, and operated further to drive the longer-term visitor, operational, and economic benefits that the programme will enable
- In addition, the programme will identify additional use cases, and users to adopt the technology
- Critically, we will further develop the model that will ensure long term commercial viability and sustainability of the network
- The Connecting Cumbria Team will work with stakeholders to build business cases and secure additional funding to support the programme for a further c.5 years



Kielder Water