

# NeutrORAN

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**UK  
5G**

**Innovation  
Network**

# NeutrORAN project in a nutshell

## Project name and partners NEC NeutrORAN, NEC, Cisco and Cellnex

	To <b>deliver</b> a proof of concept to <b>deploy shared neutrally hosted Open RAN ecosystem</b> to serve North West Wales community
	To <b>investigate the challenges</b> of providing shared neutral host Open RAN network to enhance coverage of <b>areas based on community needs</b>
	To <b>work directly with councils, multiple mobile operators and community stakeholders</b> in creating new 5G networks that can be managed, sliced and structured to address their requirements
	To <b>work with key industry, social, and welfare partners</b> to develop new user cases and demonstrate the applicability and impact of 5G connectivity

Orchestrating a brighter world

NEC

CISCO

cellnex  
driving telecom connectivity

# Our Impact on the market

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NeutrORAN aims to **Remove Digital Divides** existing in the UK and rest of world through **Efficiencies** and **Cost Reduction** utilising the Open RAN ecosystem.



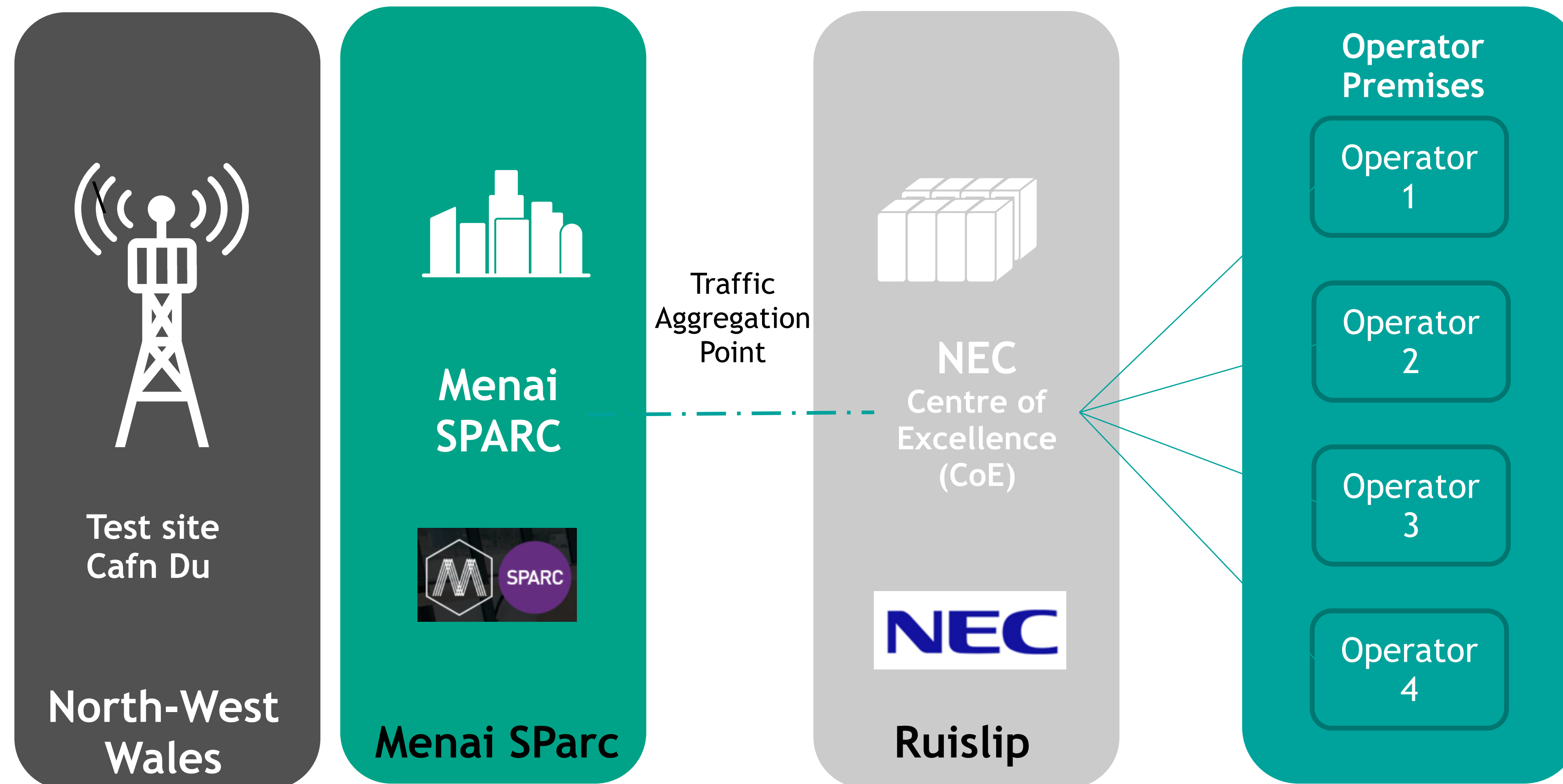
NeutrORAN aims to develop a **5G Multiple Operator, Neutral Host Solution** using Open RAN ecosystem in North West Wales that network Operators or local Business can make use of.



NeutrORAN aims to **design, build, and operate commercially viable and sustainable mobile or FWA networks**

- ❑ in areas which none of the mainstream mobile operators are serving (i.e. full not-spots)
- ❑ in areas which one or more, but not all, of the mainstream mobile operators are serving (i.e. partial not-spots)
- ❑ in areas where home broadband falls way below government minimum guidelines

# How are we doing it?



- **Shared Neutral hosted Open RAN ecosystem** allows multiple mobile operators to be connected through Open RAN architecture incorporating interconnection of various vendor equipment.
- The equipment can be distributed or centralised dependent on constraints within design. Above the equipment is distributed across North West Wales with Traffic aggregation at the Menai Science Park.”

# Collaboration possibilities

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## Key focus areas at current stage in the POC

*Consideration to collaborate around following areas;*

- *Renewable energy*
- *Sustainability*
- *Standards definition*