

Du-Volution

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Digital, Culture,
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**UK
5G**

**Innovation
Network**

5G DU-Volution project in a nutshell

UK 5G DU-Volution



The Scotland
5G Centre

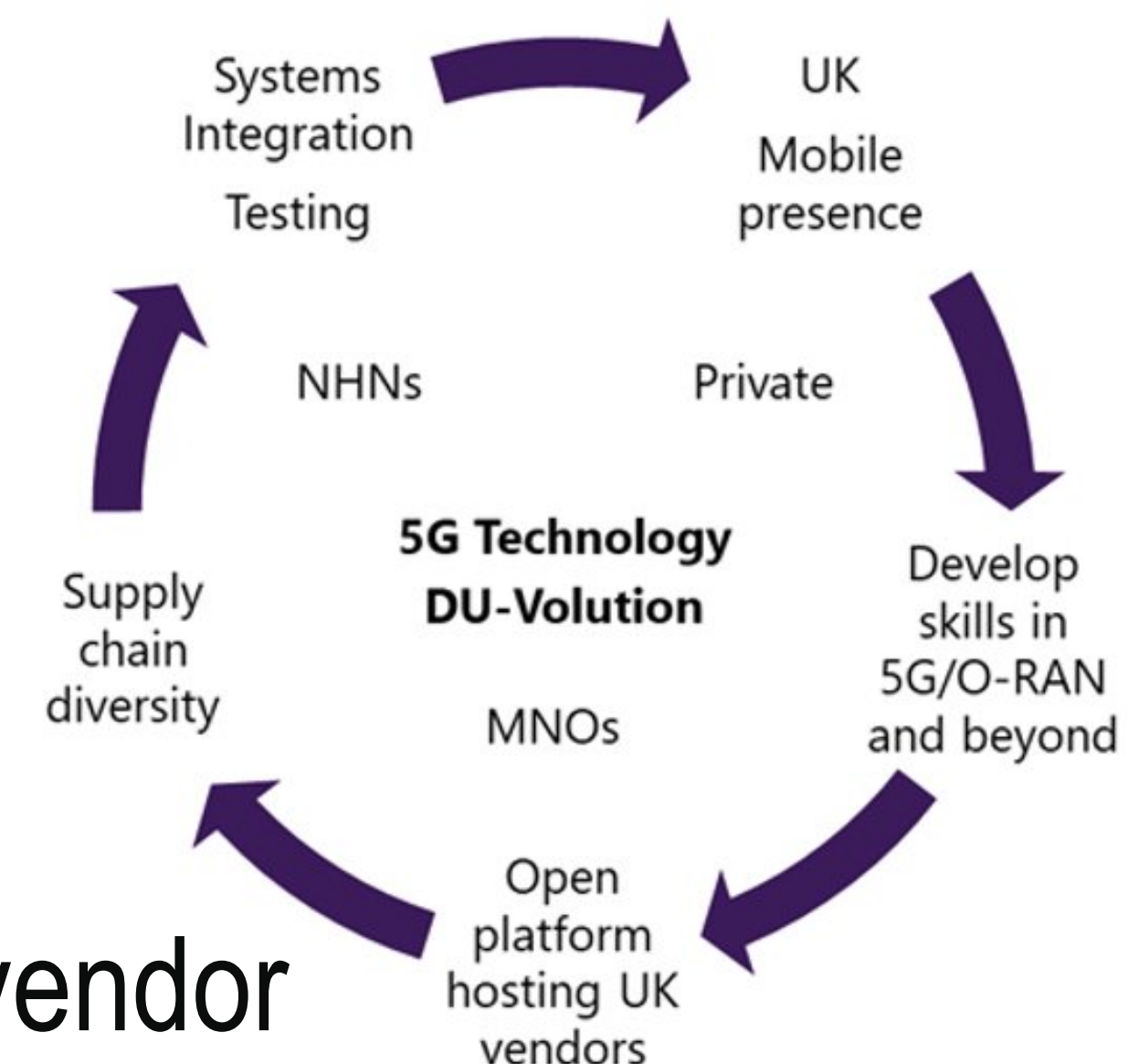


Creating UK solutions supporting supply chain diversity

- Multi-platform integrated compute and transport dedicated Distributed Unit
- UK O-RAN Solution Integration service

Benefiting industry and society

- Extending O-RAN supply chain and platform choice – increased vendor selection and upskilling of local (UK) talent
- Reduced power and form factor - improved sustainability and lowering carbon footprint



Our Impact on the market

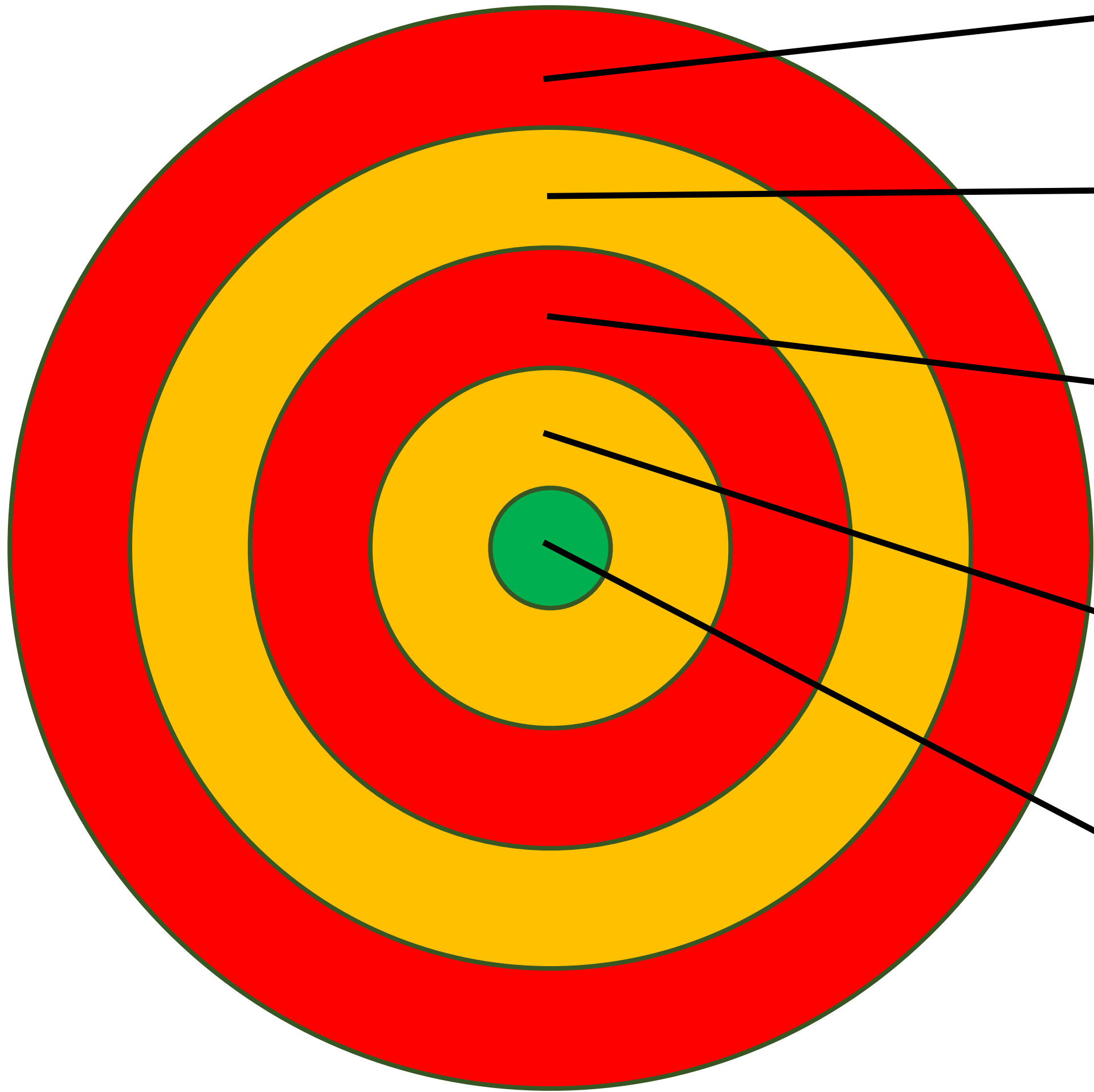


5G DU Volution O-RAN - Evolution, innovation and integration

- Disaggregation of the RAN
But Integration of the infrastructure
Vendor selection freedom
Limit infrastructure churn
- Disaggregation of HW/SW
But integration of the end-to-end solution
Open the door to innovation and flexibility
Develop home-grown 5G talent & O-RAN expertise
- Expansion of supply chain options
reduced complexity
Cultivate UK supply chain of O-RAN products But
Reduce risk through simpler solutions
- Improvement of power consumption, form
factor and Total Cost of Ownership
Lower carbon footprint and improving local ecology
and streetscape



How are we doing it?



Create a baseline O-RAN platform
COTS and open ADVA O-RAN lab
York (UK)



Develop AccelerComm FEC and
CommAgility L2



Proof of concept/Prototype platform
X86 In-line Upper L1

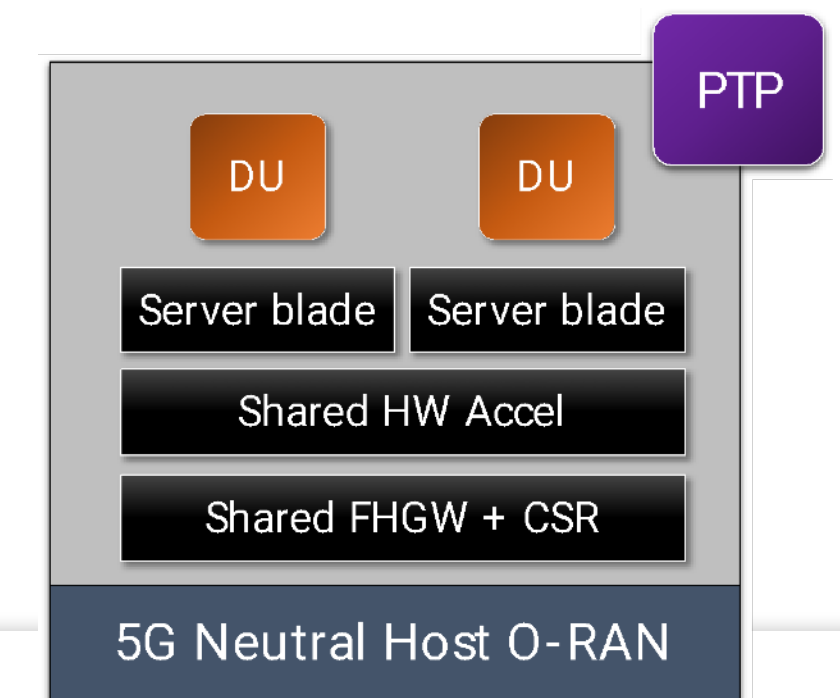


Proof of concept/Prototype platform
ARM compute



Neutral Host Platform & Scalable 5G
O-RAN DU

- Private 5G and Public MNO platforms
- Improved Power, Form Factor, Supply Chain and Commercials





Collaboration possibilities with UK 5G DU-Volution

We are seeking:

- SMO application
- Radio Unit provider
- Test methodologies
- Use cases & models

We can offer*:

- ADVA transport solutions
- ADVA synchronization & timing products
- ADVA O-RAN test lab facilities
- 5G DU-Volution prototypes

*(subject to negotiations)