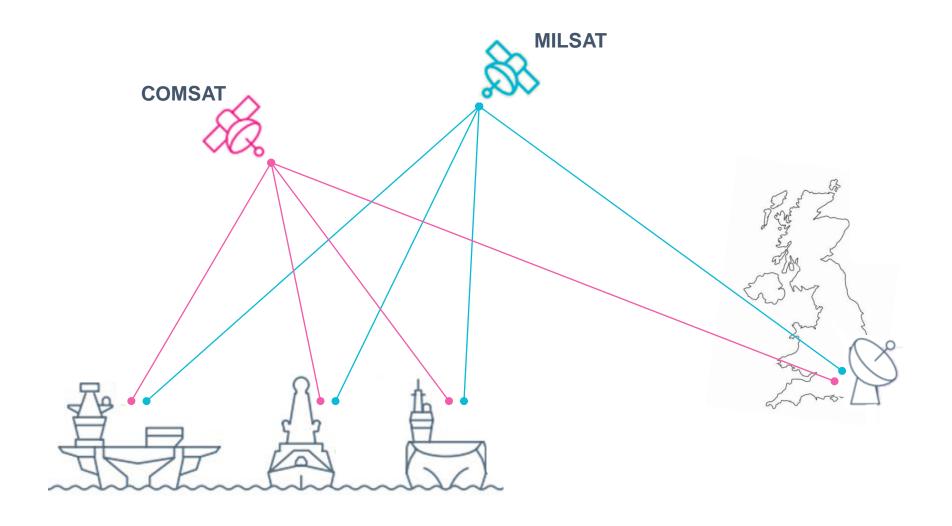


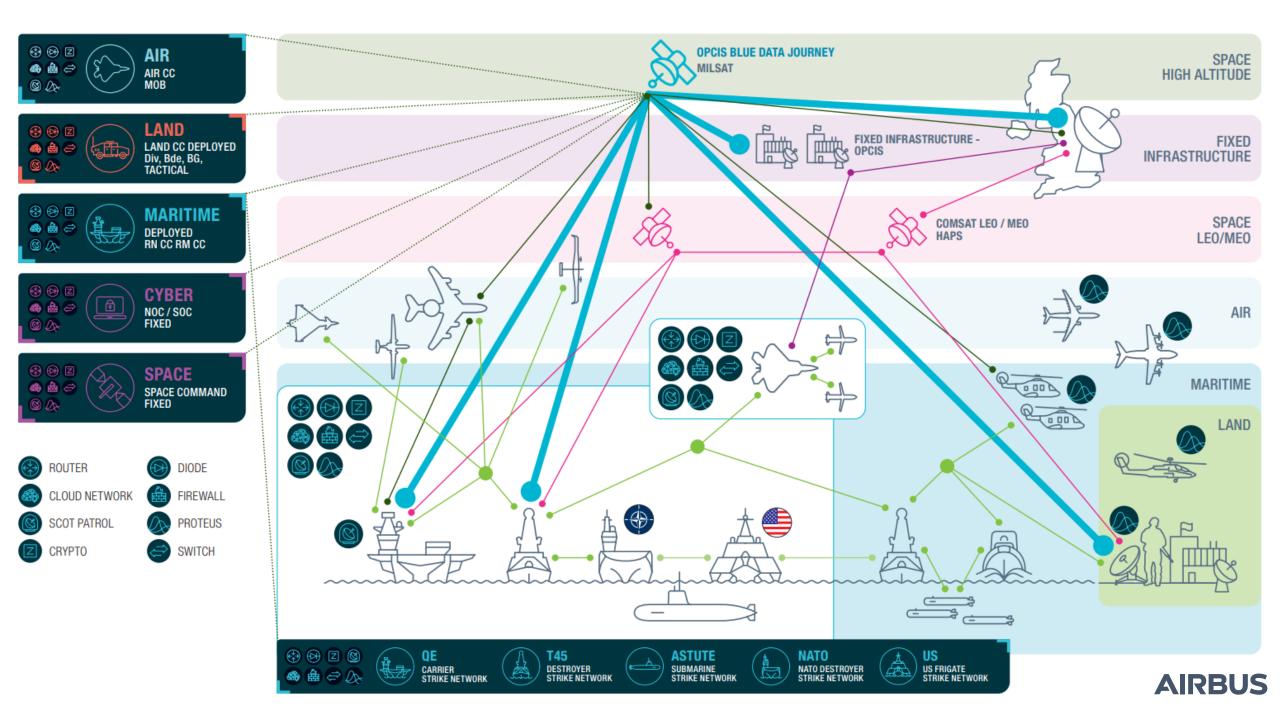


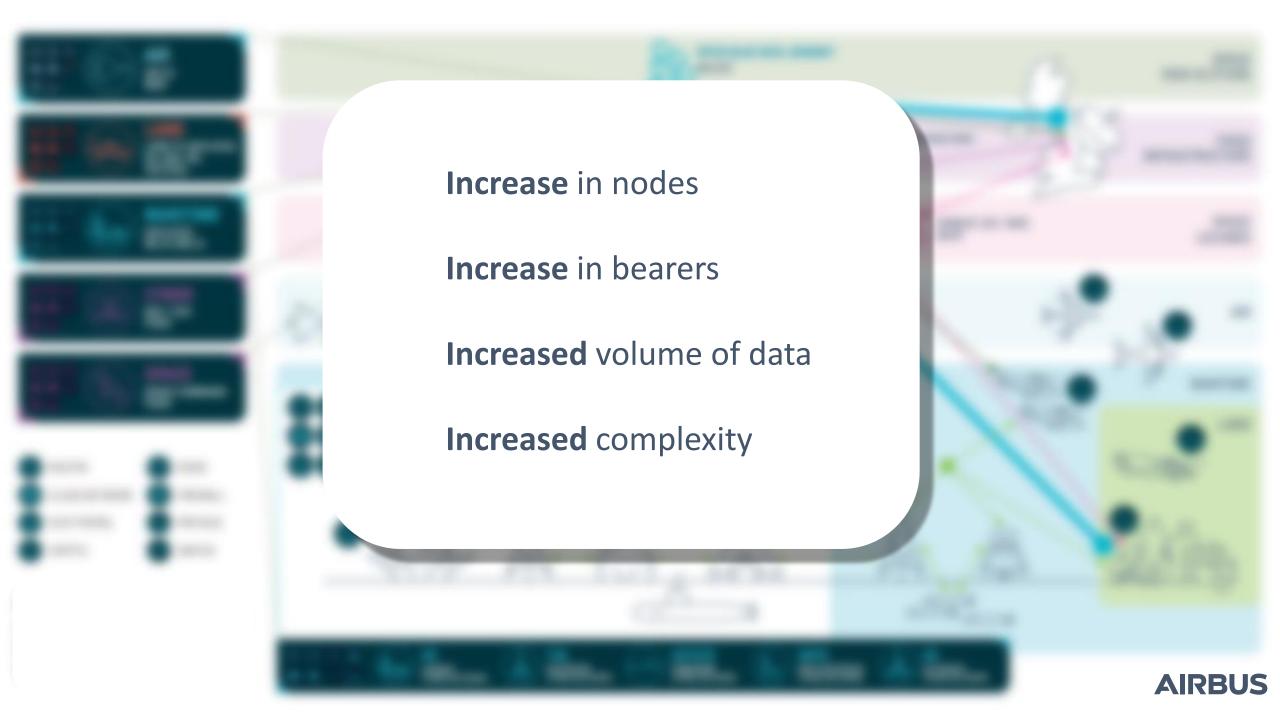
Nick Fuller FRAeS

Airbus Defence and Space Connected Intelligence

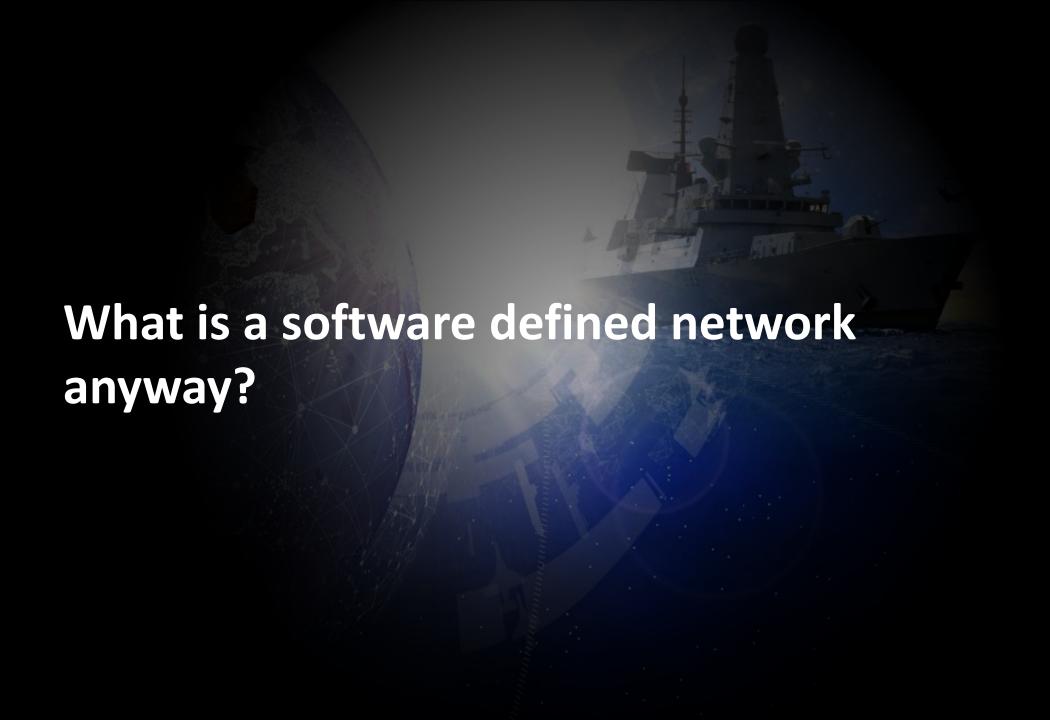


AIRBUS





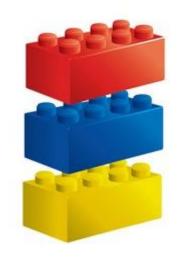




Management Plane

Control Plane

Data Plane



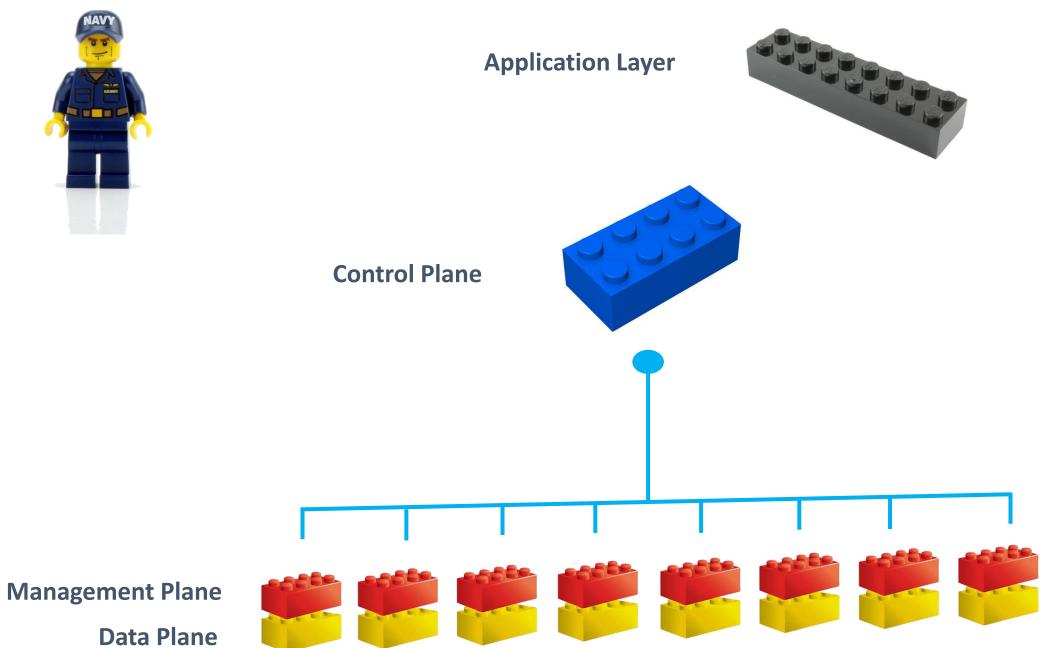






Node 1 Node 2 Node 3





AIRBUS

Dynamic Switching

Optimised routing

Scalable

Multi-bearer satellite architectures

Orchestration

Agility

Commercial Sovereign 4G/5G Resilience through diversity

Bearer of Opportunity

Adaptable

Multi-bearer satellite architectures

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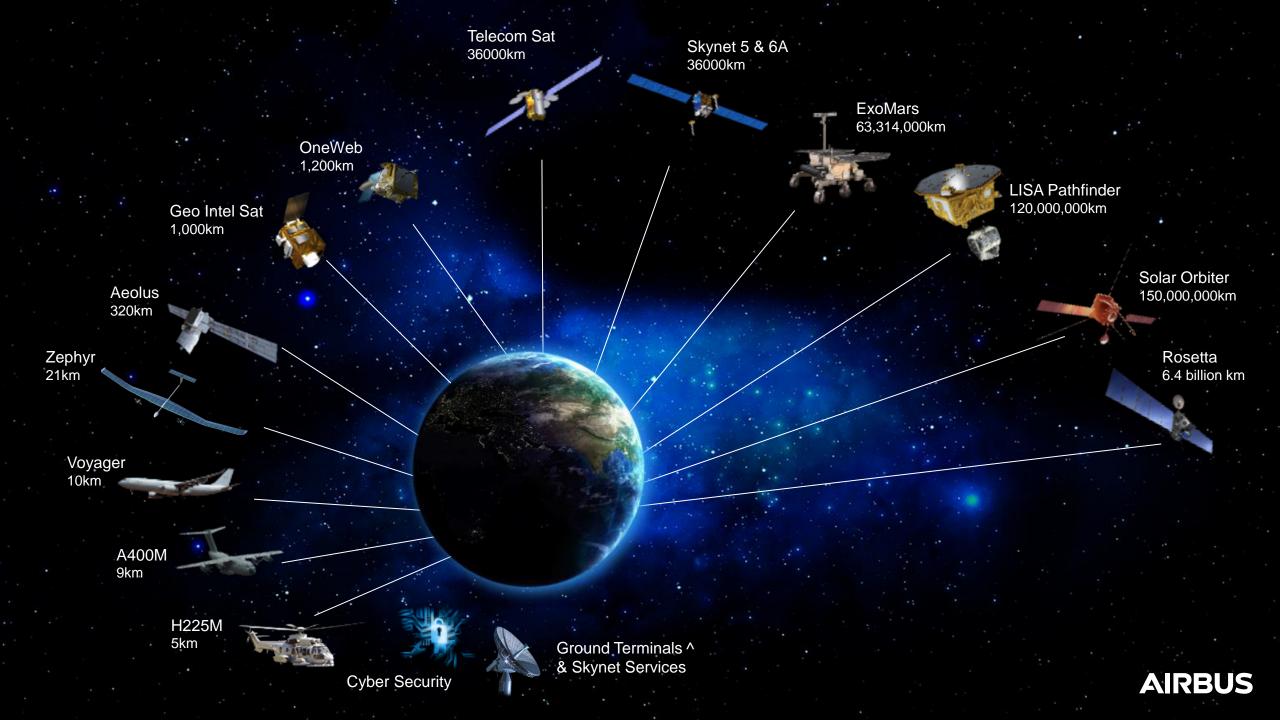
Scalable

rchestration

Resilience through

Bearer of Opportunity

Adaptable





Maritime Satcom Terminals

- Fully hardened
- WGS and Skynet certified
- High RF power
- Light weight
- X/Ka system updated



Satcom Networking

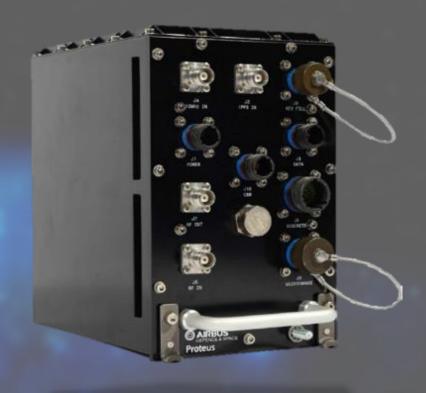
- MNE, RIFAN, SD-WAN
- Agile, multi security domain
- Adaptive to EM environment
- Integrated with LEO Satcom



Modems

Proteus Modem

- Secure by design (Freq hop, TRANSEC, NETSEC)
- Resilient to interference
- Adaptive wave form
- Through-rotor transmission



Key Points

- We are **bandwidth poor!**
- More complexity means we need to automate where possible.
- Airbus are developing SD-WAN, next gen terminals and modems to meet digital needs of today and tomorrow.
- We cannot do this in isolation.

