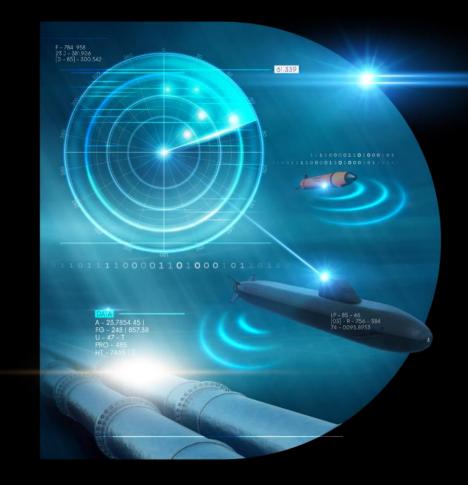
Combined Naval Event 2024

Subsea Intelligence: Architecting the Future Network and Data Fabric





Subsea Intelligence

Today's Topics

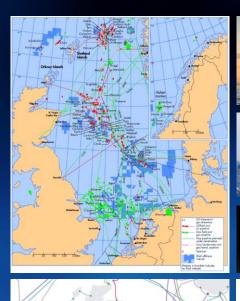
- Introduction
- Context The Subsea Threat
- BAE Systems Digital Intelligence Who we are
- DI Labs An Introduction
- Underwater Networking and Data Architecture – Use Cases
- Underwater Networking and Data Architecture – The Demonstration
- Conclusion



Context – Why is it Important?

Exposing the grey-zone...the new cold war

- Russia submarine fleet stealth, underwater reconnaissance programme and asymmetric warfare in the underwater domain – poses threat to hold Critical National Infrastructure and NATO security at-risk
- China underwater operations exponentially growing, mirroring Russian warfare doctrine – not just focussed in the Indo-Pac region
- Other near-peer and sub-peer adversaries
 increasingly utilising low-cost systems to deliver
 lethal effect exploiting availability of expendable
 autonomous weapon systems













3 Red Sea data cables cut as Houthis launch more attacks in the vital waterway





Digital Intelligence

BAE SYSTEMS

BAE Systems Digital Intelligence experts work collaboratively across 16 countries to collect, connect and understand complex data so that governments, national security agencies, armed forces and commercial businesses can tackle evolving digital challenges and unlock digital advantage in the most demanding environments — through space to the frontline.

Digital Transformation Partner

Helping our customers understand and achieve the digital advantage needed to deliver their missions to society. Delivering critical digital change and capability – creating the digital thread across their data, using our skills in secure digital engineering, cloud-based big data systems and complex asset management



Intelligence Systems

Delivering unified operational intelligence capabilities for national security, law enforcement and defence missions including comms intelligence, multi-source intelligence and comms compliance



Cvber

Ensuring safer cyberspace from enterprise to nation-state level, including enabling responsible government cyber missions and enhancing defence Cyber & Electromagnetic Activities (CEMA)



Asset Management

Delivering an integrated Enterprise Asset Management capability to reduce the cost of ownership and improve availability of complex assets



Defence C5ISR

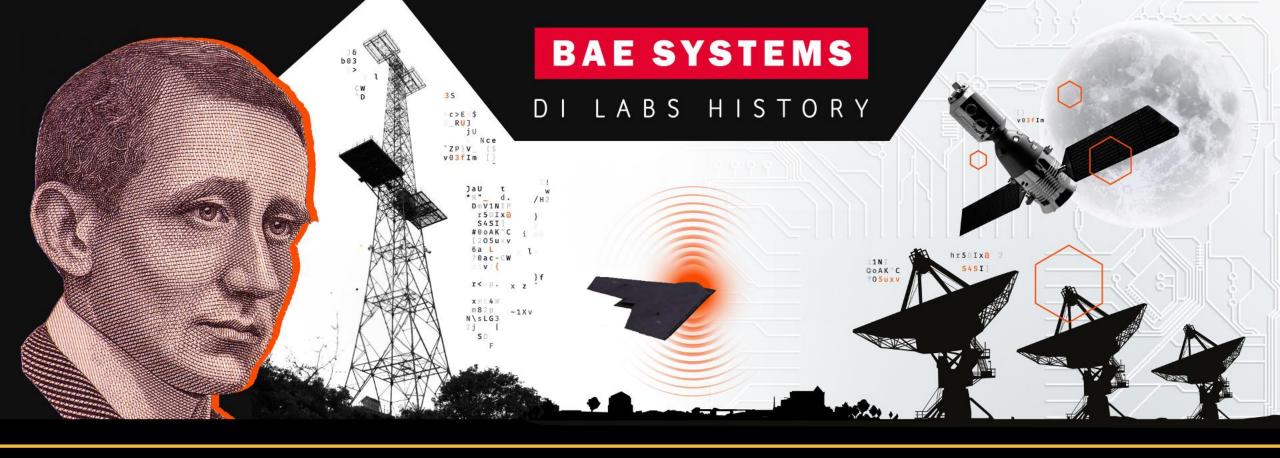
Delivering critical deployed and edge defence capabilities across Command & Control, Comms, Computers & Cyber and Intelligence, Security & Reconnaissance including Multi-Domain Integration and increasing levels of integrated autonomy



Space Systems

Delivering military, civil & commercial Low Earth Orbit capability and data services as a new British space prime





1936

Land in Great Baddow aquired by Marconi Wireless Telegraph Company 1939

Marconi Research Labs 1946

GEC Marconi Research 1985

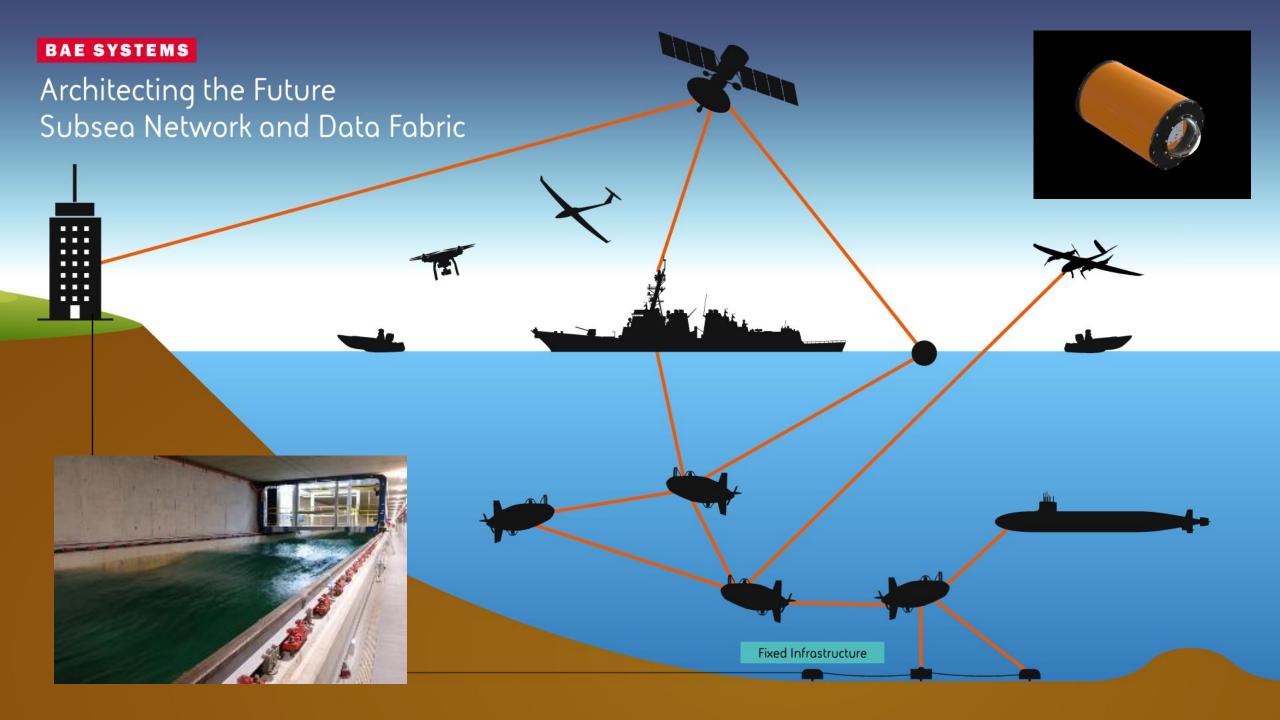
GEC Research Limited 1998

Marconi Technology Centre 2000

BAE Systems Advanced Technology Centre 2015

BAE Systems Applied Intelligence Labs 2022

Formation of BAE Systems DI Labs





Questions



