

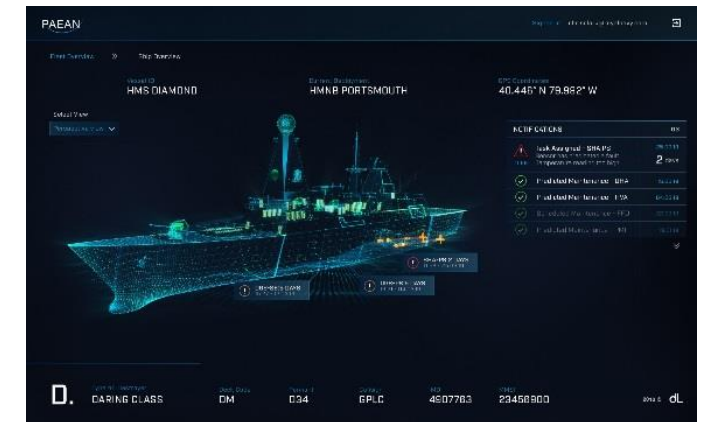
# **Doctor Bryan Wells**

Head of International and Strategic Research, Defence Science and  
Technology

# Doing Things Differently in Defence

Dr Bryan Wells

Head of International and Strategic Research, Defence Science and Technology, Ministry of Defence



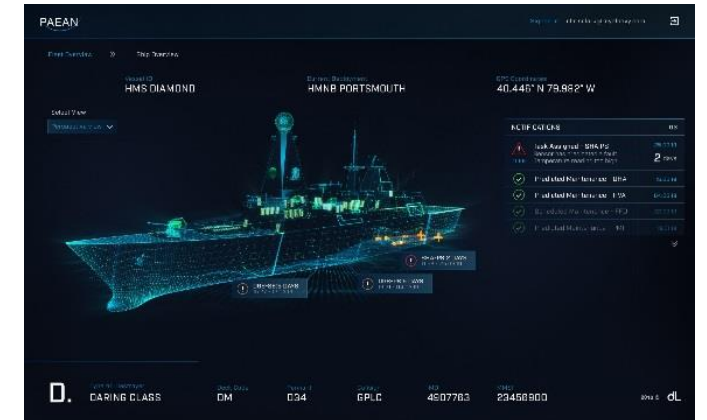
# UK Defence – The Challenge of Modernisation

## Two Modernising Imperatives

- **Evolving threats:** From state-based threats to individual terrorist acts, the challenges to our peace and prosperity are increasingly complex, ambiguous, destabilising and potentially catastrophic.
- **Rapid technology change:** Technology, especially digital technology, is developing at a breath-taking pace, making pervasive many capabilities once only imagined in science fiction.

Defence needs to do things differently to maintain advantage

# Transforming Defence: The Role of S&T



# Technology-led Modernisation

- **Mainstreaming S&T** at the heart of Defence decision-making.
- **Technology challenge**
- **Game-changing technologies** are building blocks for transformation
- But, modernisation of **culture and skills** as well as tools and technologies
- Focus on **experimentation at higher TRLs**
- Strengthened governance through the **DTIB** (chaired by VCDS)



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