

DSEI
DAY ZERO



**MARITIME
CAPABILITY
CONFERENCE**

9 Sep 19 | ExCeL London



**ROYAL
NAVY**

EXPLOITING INNOVATION

Capt Paddy Green RN

DIU Dep Hd – Challenge and Facilitate

DEFENCE INNOVATION

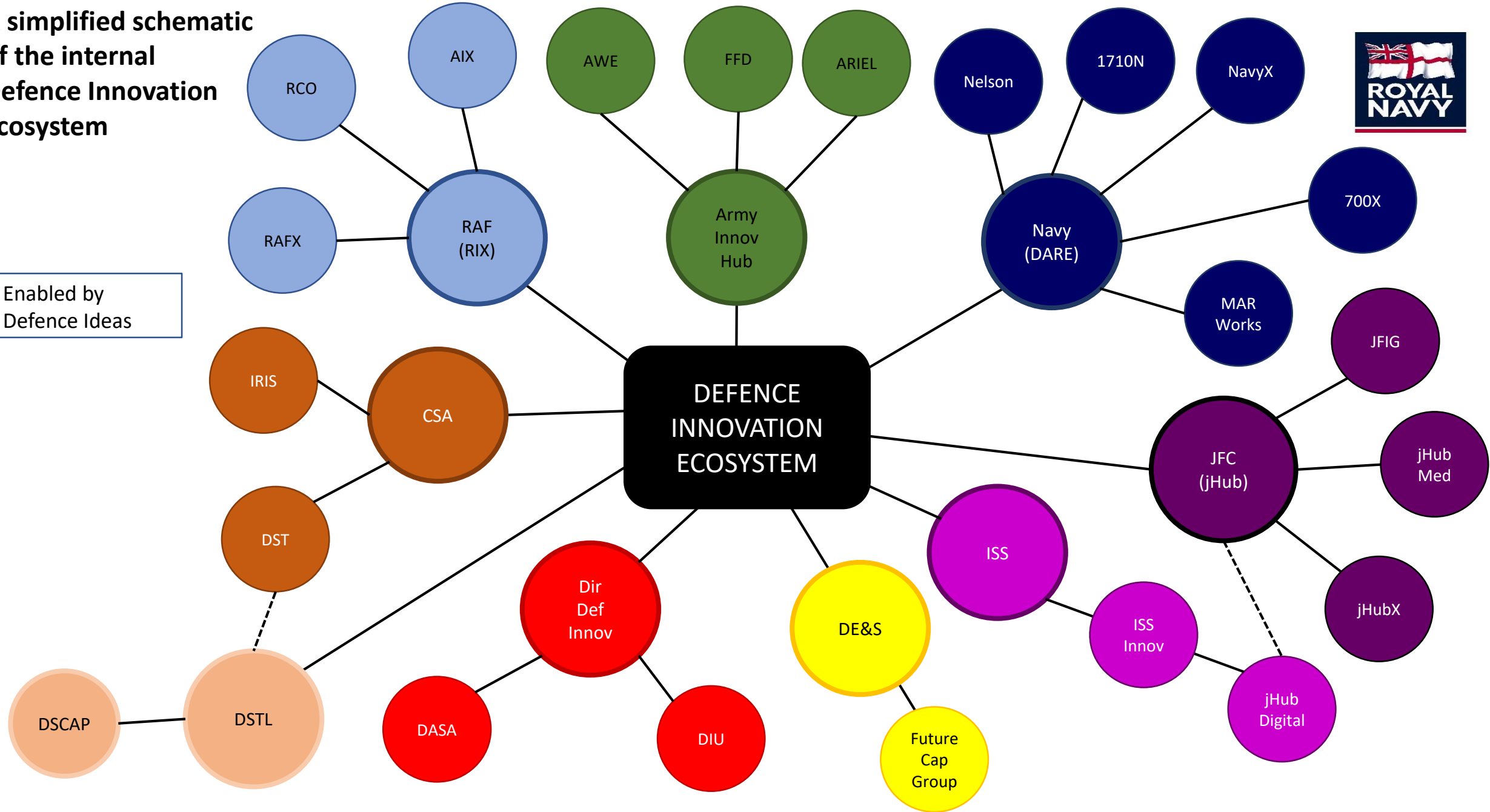
DEFENCE INNOVATION VISION

- *Generating ideas and putting them into practice to give us an edge over our adversaries.*
- Innovation covers the whole process from identifying an issue or challenge, having insights, generating or accessing ideas and developing them to be ready for implementation to deliver impact.
- Ultimately for innovation to be successful, ideas must be exploited.

A simplified schematic of the internal Defence Innovation Ecosystem



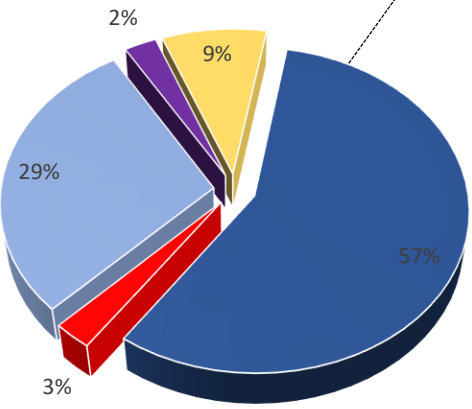
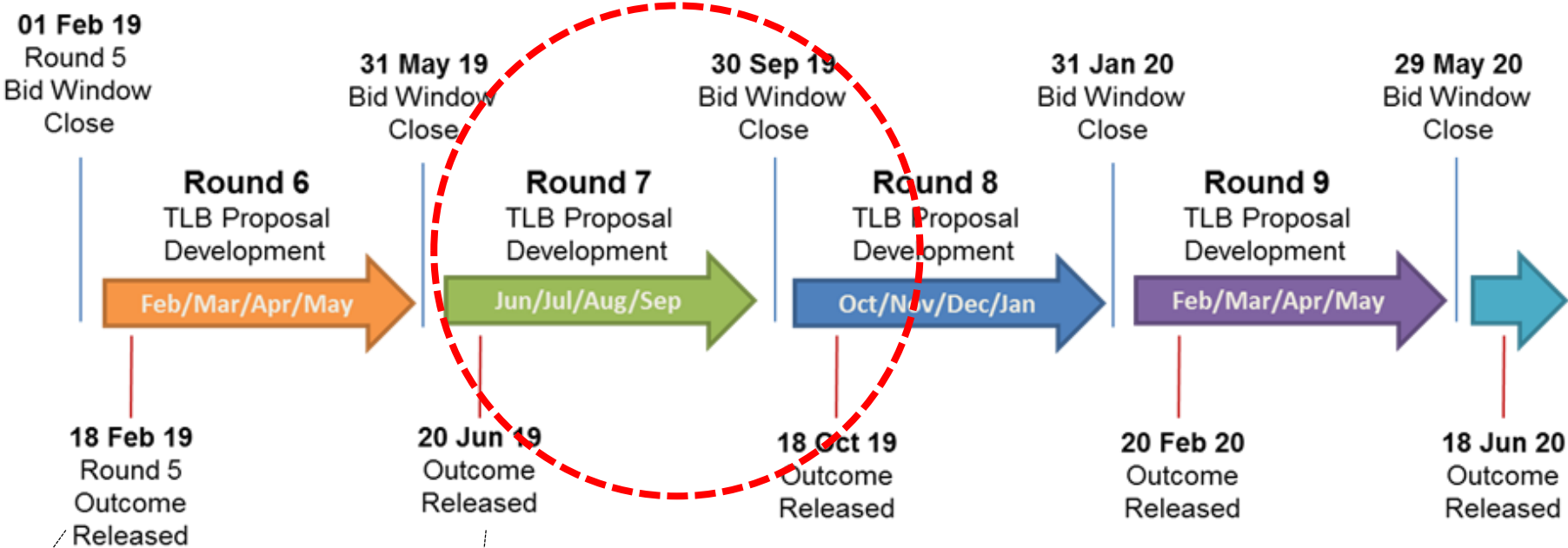
Enabled by
Defence Ideas



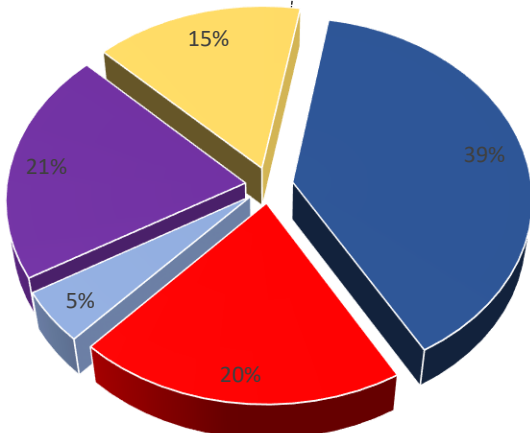
THE DEFENCE INNOVATION UNIT

- Administer the Defence Innovation Fund (DIF)
 - £800m over 10 years
 - Stimulates Innovation across Defence
- Defence Innovation Advisory Panel
 - Challenge Senior Leadership
- Co-ordinate and Cohere Innovation hubs in the Front Line Commands
 - Spread Best practice and encourage collaboration
- Identify and break down barriers to Exploiting Innovation across Defence
 - New Commercial Rules, DE&S Future Capabilities Group and additional Accreditors.

FUNDING INNOVATION - TLB IDEAS SCHEME



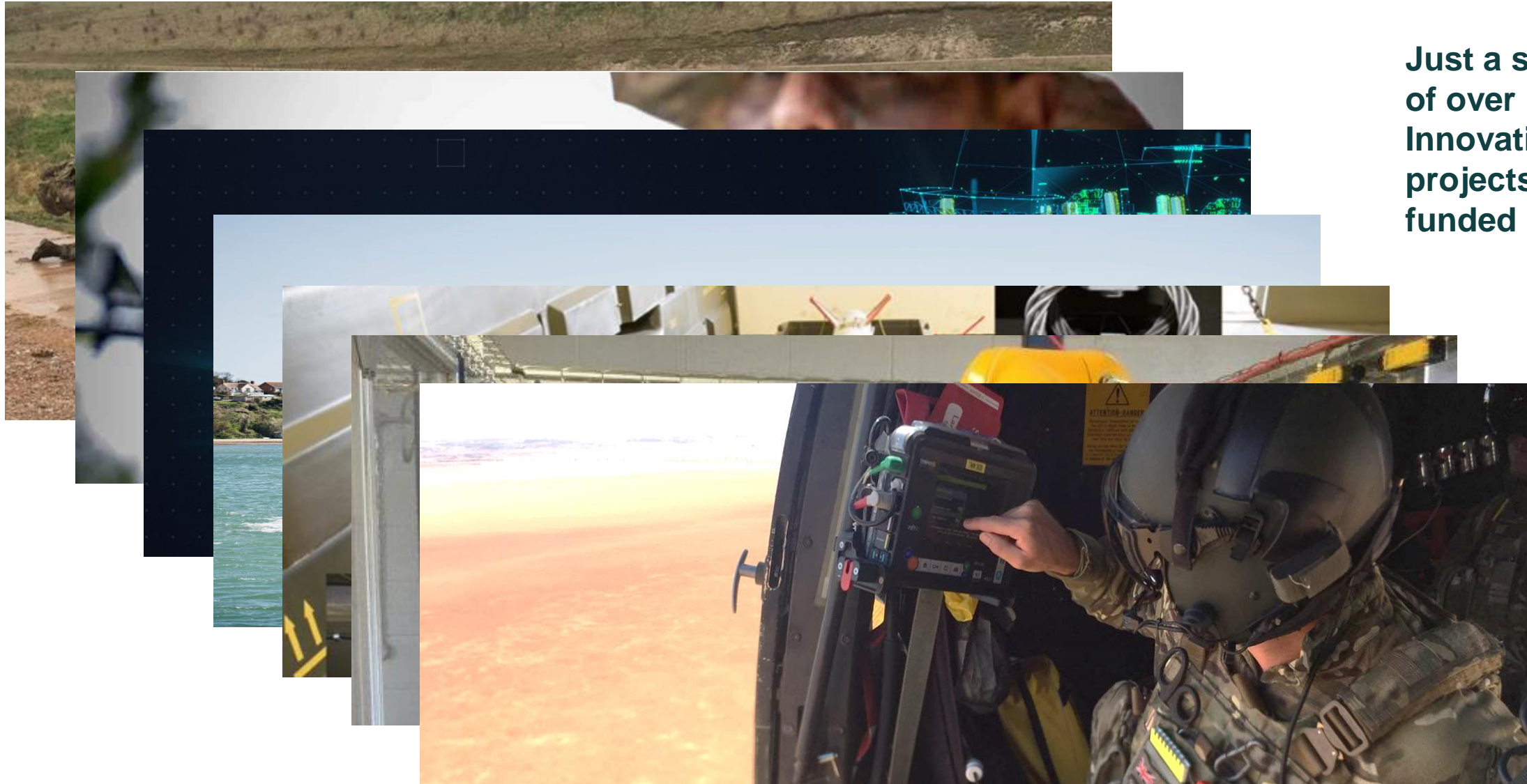
Round 5 - £14.467M



Round 6 - £15.028M

- Round 7 closes end Sep
 - Maritime submissions via DARE
- Estimated Funding between £5m - £8M
 - In Year projects prioritised.
- Looking for:
 - Alignment with Innovation Priorities
 - Inter Service Collaboration

DEFENCE INNOVATION CASE STUDIES



Just a sample
of over 160
Innovation
projects
funded by DIF

Telemedicine for Operations - Networking Vital Signs Monitors



DARE!



Project HECLA - A Case Study

- Experimentation with glider UUVs to understand impact on HM collect in support of ASW – project will deliver near real-time data to ASW operations in 18 months.



Creates **MASS** through a semi-autonomous sensor network

Extends our **REACH** by achieving semi-persistent presence.

Enhances **LEATHALITY** by enabling us to position weapon carriers in the optimum position to prosecute a target.

Operational prototype delivered to the user at pace, with the ability to scale for operations and transfer into core.