



Ministry of Defence



Defence Innovation

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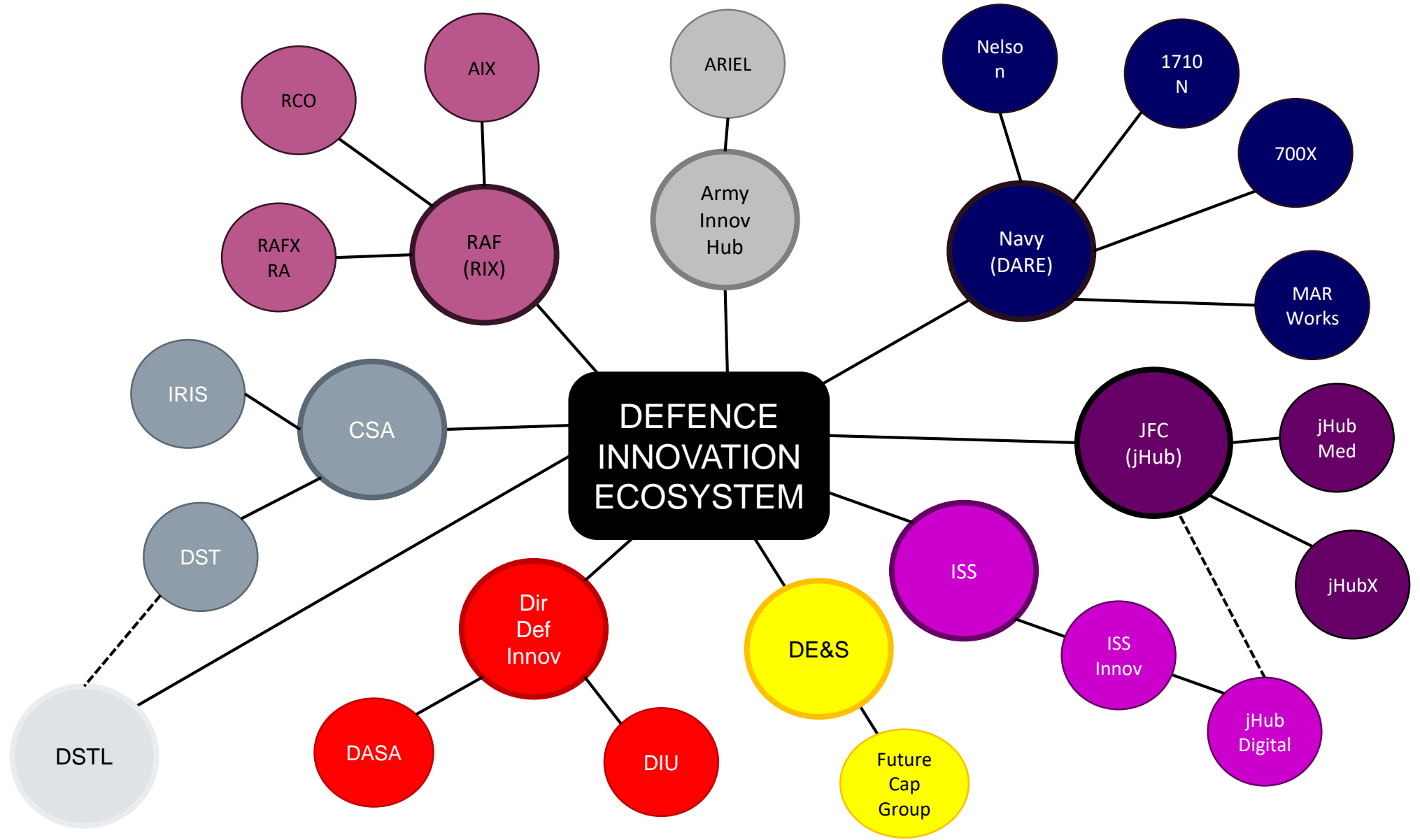
Ministry of Defence



**Why are we
here today?**

A simplified schematic of the internal Defence Innovation Ecosystem

The ecosystem is enabled by Defence Ideas, a platform which facilitates grassroots innovation



Defence Innovation Unit Roles

- **Policy and Strategy**
- **Portfolio:**
 - Defence Innovation Vision
 - Defence Innovation Priorities
 - Defence Innovation Fund
 - Exploitation through Challenges and Competitions
- **Engagement:** MOD, HMG, International allies, suppliers
- **Skills:** Identify skills required for innovation and baseline current position
- **Facilitate:** overcoming barriers and supporting the Defence Innovation Advisory Panel
- **Events and outreach**



The Innovation Hub at DSEI

- Innovation is crucial to helping Defence operate more efficiently; to outpace our adversaries, transforming the way we think, and operate.
- Harnessing ideas and exploiting ingenuity - quickly and affordably.
- We want to be your partner of choice for innovation
- All the Defence Innovation Hubs, Defence Innovation Unit, Defence and Security Accelerator (DASA) - as well as S&T and Defence Commercial Outreach partners will be there
- We want to hear about your innovative projects and ideas.
- We want to help you engage with us more easily

Examples of Defence Innovation Projects



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AHUB

ADVANTAGE THROUGH INNOVATION

CODING. SCHEME

Route to market for innovators

The Innovation Hub is being delivered in partnership with the Defence Innovation Unit (DIU) and Defence and Security Accelerator (DASA), supported by colleagues operating in the innovation space across UK Ministry of Defence.

With a key objective of 'achieving impact through innovation', representatives will be present throughout the show to meet with industry and share ideas.

Here they show the 'route to market' journey for industry suppliers who have ideas for defence. Visit them on stand N3-590 in the Innovation Hub (North Hall).



STRATEGIC IMPERATIVE

The Ministry of Defence (MOD) must operate at the forefront of innovation to transform the way we think, operate and use technologies to give us an edge over our adversaries, developing the ability to develop ideas and exploit ingenuity, quickly and affordably. By harnessing the brightest and best ideas and collaborating with industry partners, small and medium-sized enterprises (SMEs) and non-traditional suppliers, better solutions can be achieved in a shorter time frame.

1 Understanding the problem and the user need

We explore the needs of our users, their problems and identify potential opportunities that will provide an innovation or a solution - ensuring we are prepared for the present and fit for the future.

How do we do this?
Through our support network, who formulate supporting concepts, doctrine, policy, and setting priorities for innovation.

Who does this?
Military Commands, Defence Innovation Hubs.

Innovation Hubs have been established in all Front-Line Commands to act as facilitators for innovation, seeking innovative products and services to enhance the joint operation of the UK Armed Forces. These include: the Royal Navy's Discovery, Assessment, and Rapid Exploitation (DARE) team; the Army's Rapid Innovation and Experimentation Laboratory (ARIEL); RAF Innovation Exchange (RIX), and Joint Forces Command's Hub.

2 Understanding current capability in the commercial sector

It is essential that MOD works with a wide variety of people and builds effective networks worldwide to find innovators and scout for ideas. These connections are used to clearly understand what is possible and what is needed.

How do we do this?
Innovation Partners, horizon scanning and market intelligence reports.

Who does this?
Defence and Security Accelerator (DASA), Defence Innovation Hubs, Innovation Research and InSight Unit (IRIS) and Defence Science and Technology Laboratory (Dstl).

7 Making an impact

We work with suppliers to help them understand the contract opportunities and work with MOD acquisition to help them understand novel products.

How do we do this?
Finally acquiring the product as part of a solution reaching the end user. New Innovation fully integrated into capability.

Who does this?
DE&S, Defence Innovation Hubs, Military Commands.

COLLABORATE FOR SUCCESS

The MOD recognises that potential solutions to our problems could be found anywhere. We use a suite of tools and approaches to ensure that we can connect the innovators with internal experts for the best outcome.

3 Identifying the opportunity

With the Defence Innovation Hubs, we develop the opportunity and find ways of engaging with the right people who could potentially have a solution.

How do we do this?
We collaborate and use market exploration activities, hackathons, competitions, innovation challenges and sandpits.

Who does this?
Defence Innovation Hubs, DASA.

WORKING WITH INDUSTRY

The MOD has made changes to make it easier to collaborate with companies, including updated procurement processes. It is working to remove barriers, and has created new, easy access routes for innovative ideas. Additionally, the MOD has developed new funding streams and implemented support for businesses under the MOD's Small Medium Enterprises (SME) Action Plan, Vision 2025.

6 Building the exploitation and commercialisation pathway

We work with our innovation community to identify opportunities for commercialisation of the product, service or process, providing mentoring, access to finance and brokering.

How do we do this?
Identifying the potential in other markets.

Who does this?
DASA, Ploughshare, Military Commands.

4 Finding and developing the idea

We work with the right people to capture and assess ideas and proposals, for their potential and to identify and accept risks. We continuously evaluate the current market and fund the best opportunities to help defence and security.

How do we do this?
We work with technical partners to assess proposed solutions and overcome specific challenges.

Who does this?
DASA, Defence Innovation Hubs, Dstl, and Other Government Departments.

5 Integration - testing the idea

In collaboration, we work to develop and test the innovation or solution, ensuring that we gain end user input and insight to support the exploitation pathway.

How do we do this?
Production demonstrations, pilots and user trials.

Who does this?
Defence Equipment and Support (DE&S), DASA, DSTL, Joint Security and Resilience Centre (JS&RC), and Military Commands.

Engaging with MOD on Innovation

- ❑ Opportunities this week – Series of presentations; meet with members of the Innovation Hubs and opportunities for 1:1
 - AM Presentations: DASA & DSTL
 - PM Presentations: Army, Navy, RAF and Joint Forces Command

- ❑ Single email address for defence innovation
 - Contact the Defence Innovation community:
 -
 - Or, collaborate with us:
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- ❑ If you are a company, DASA is the front door into defence for innovation