[DASA seeks deployable anti-submarine warfare technologies](#)

- DASA has launched a new Market Exploration: Project CHARYBDIS
- Launched on behalf of the Royal Navy
- This Market Exploration is seeking technical solutions to deliver persistent, deployable uncrewed maritime assets

The Defence and Security Accelerator (DASA) is pleased to launch a new Market Exploration as a workstream of Project CHARYBDIS, which seeks systems and technologies that could deliver persistent, deployable uncrewed maritime assets.

This is one workstream of Project CHARYBDIS, which is being delivered by DASA & the [Submarine Delivery Agency (SDA)](#) on behalf of the [Royal Navy](#).

This [Market Exploration](#) is run on behalf of the Submarine Delivery Agency (SDA), and project CHARYBDIS is part of Navy Command's ASW Spearhead Programme. In support of this the SDA have commissioned DASA to search for related innovative technologies and sub-systems. The SDA are separately commissioning concept studies from suppliers with expertise in overall integrated ASW systems, which is being advertised through the [Defence Sourcing Portal](#).

If you don't have a login you can still access this from the homepage:

- on the DSP homepage select 'View DSP Opportunities'
- select the drop down arrow on 'Enter Filter'
- select 'Project Info'
- insert 705492450 into 'Value' section
- search

Suppliers are welcome to participate in either or both workstreams.

Do you have an innovative solution? [Read the full Market Exploration now and submit your idea.](#)

Exploring underwater security systems and their capabilities

Our Market Exploration aims to identify, prototype, trial and deliver technologies that could support persistent deployable uncrewed capabilities to detect, classify, localise, and report underwater hostiles with a focus on wide areas of ocean.

We are looking for innovations (covering related technologies and systems) that could credibly result in an improvement to uncrewed anti-submarine warfare capability, focusing on the following areas:

- Sensors for underwater hostile threats, or their signature.
  E.g. active acoustic, passive acoustic and non-acoustic.
- Platforms including uncrewed seabed, underwater, surface and air.
  E.g. Overall structures, mobility options, tethering.
- Analysis including on-board uncrewed platforms, and off-board.
  E.g. Data management, structuring and processing.
- Communication including in-water, above-water, through surface and tethered.
  E.g. associated software, firmware, hardware and integration (e.g. standards).
- Launch & Recovery solutions across all domains and locations
  E.g. Crewed and uncrewed options to deploy and recover systems
- Power sources spanning generation, storage and transfer.
  E.g. Renewables and Non-renewables.
- Station-keeping and Propulsion, spanning related platforms
  E.g. Tethering, Anchoring, Traditional rotary propulsion, Buoyancy systems, Biomimetics.
- Navigation, including internal and external.
- Data, including collection, processing, storage, management and wiping.
- Maintenance and sustainment options.
- Training, options including relevant simulations.
- Validation, options including test-targets.

Key dates

This market exploration is currently open. The deadline to submit proposals is midday on 20th January 2023.

Submit your innovation

Your innovative solution could help support the Royal Navy in their endeavours to maximise their operational advantage over adversaries. Innovations with a particular focus on leveraging advances in autonomy, and exploring new solutions beyond the current mixture of fixed infrastructure, short-term sonobuoys and high-value crewed platforms, will ensure the Royal Navy maintains their battle-winning edge.

[Read the full Market Exploration document and submit your innovative](#)

[solution.](#)

Published 18 November 2022
Last updated 21 November 2022 [+ show all updates](#)

1. 21 November 2022

   Instructions on accessing the Defence Sourcing Portal (where the SDA are separately commissioning concept studies) has been added to the introduction/summary section at the front of the article.

2. 18 November 2022

   First published.