



Advanced In-Water Maintenance Solutions for Royal Navy – Open Call

Call 2 Overview – Underwater Coating Systems

Problem Statement

The Royal Navy has an immediate and enduring requirement to improve its routine preservation activities, of which there are a range of specific needs to address key problem challenges. The Royal Navy operates a number of vital UK assets of which long-term integrity and inspection is key to their continued operational availability. In collaboration with Babcock, the Royal Navy is looking to modernise its practices and benefit from utilising the best innovation that the underwater sector has to offer.

Through the adaption and adoption of proven, commercially available technologies and methodologies, the opportunity exists to increase the volume of in-water activity to increase assets' operational availability, reduce human intervention and dry-docking durations.

The Royal Navy requires systems for preparing and re-preserving small areas of submerged and water backed structures that outperform our current systems. The entire process must meet the requirements of the appropriate DEFSTAN and NORSOK standards and relevant environmental guidelines, in order that the system will not degrade in a time not less than 8 Months.

Avoidance of contaminants, through proven cleaning processes or the ability to filter or remove suspended solids from the water is of particular interest, in addition to resistance to bio-fouling.

Current systems used are detailed in ANNEX A of the MOD's Defence Equipment and Support publication "Warpaint" <https://www.gov.uk/government/publications/warpaint>

Alocit Systems	Alocit 28.15
Belzona	Belzona 5831
International Paints Ltd	Interzone 101
Cactus Industrial	Kansai Sureseal 1208UWE

Our Expectations

- Systems and/or materials already qualified for industrial application or at least high TRL
- Low-cost and low-maintenance solution
- Application on range of substrate materials
- Coatings applied either by diver, ROV or other automated systems in water depths up to 20m



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Call 2 Milestones

15th November 2022

2nd December 2022

16th December 2022

January 2023 Date TBA

February 2023 Date TBA

Call 2 Opens for Registration of Interest

Call 2 Q&A Webinar

Call 2 “Expression of Interest” Submission Close

“Supplementary Information” Submission Close

Presentations to Royal Navy, Babcock, GUH representatives