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## EXPRESSION OF INTEREST

### SUBMARINE OILY WATER SEPARATION UNIT DESIGN AND MANUFACTURE (A100806)

ASC is seeking **Expressions of Interest (EOI)** from suppliers with the capacity and capability to:

**Design and manufacture bespoke, high quality, critical service, oily water separation units for the Collins Class Submarines based in Osborne, South Australia and Henderson, Western Australia.**

#### Design Requirements:

At a high level, the design must:

- incorporate the existing interfaces of the current bilge water reclamation system;
- move sea water from the internal tanks and bilge to sea on demand, whilst being highly reliable and easily maintainable in a corrosive sea water environment;
- operate at defined flow and head conditions while removing oil from contaminated bilge water, remove specified particulate contamination with no discernible change to flow and audible noise below a defined level; and
- be manufactured utilising high quality military specified materials such as Monel and nickel-aluminium-bronze (or suitable alternative).

#### Project Timeframe:

The supplier will be required to meet the following project timeframes:

- EOI – August 2021
- Request for Tender – November 2021, closing December 2021
- System design – September and October 2022
- Tender evaluations and negotiations – January/February 2022
- Contract award – March 2022
- First article completed and tested – May 2022

#### EOI Submission Requirements:

All interested suppliers must submit a concise brief demonstrating:

- provide last three (3) years of safety statistics covering:
  - Long Time Injury Frequency Rate (LTIFR)
  - Medical Treatment Injury Frequency Rate (MTIFR)
  - Total Recordable Injury Frequency Rate (TRIFR)
- the supplier's capacity and capability to meet the project requirements (as listed above) and ability to meet the project timeframes.
- Ability to integrate filtration equipment into a "Bilge to Ocean" (B2O) OWS to remove particulate and non-Hydrocarbon liquids, with specific focus on grey-water and bilge water filtration.
- the historic performance outcomes from previously designed systems of similar design parameters

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- overview of any point of difference design technology or IP within the marine OWS design capability from within your business.
- a high level review of the parameters that would influence the design process to ensure that inherent system flaws would not be repeated
- a high level overview of personnel experience relating to:
  - OWS design and manufacturing experience in a marine environment
  - Shock analysis design experience
- a high level overview of manufacturing capacity including:
  - location of manufacture
  - ability to service parts/components locally if available (or via agent/in-country presence)
- ability to supply to the Australian market and manage import compliance;
- Defence Industry Security Program (DISP) membership details (if applicable); and
- Supplier's accreditations (or equivalent to):
  - AS/NZ 4801 Occupational Health and Safety Management Systems;
  - ISO9001:2001 Quality Management Systems; and
  - ISO14001:2015 Environmental Management Systems.

All suppliers' will be subject to the ASC Supplier Qualification process including being required to enter into a Non-Disclosure Agreement to participate in the Request for Tender.

This EOI is an invitation to treat and must not be construed, interpreted, or relied upon, whether expressly or impliedly, as an offer capable of acceptance by any person, or as creating any form of contractual, quasi-contractual, restitutionary or promissory estoppel rights, or rights based upon similar legal or equitable grounds.

The suppliers' participation in any stage of the EOI process, or in relation to any matter concerning the EOI, is at the suppliers' sole risk, cost and expense. ASC will not be responsible for any costs or expenses incurred by any suppliers in preparation or lodgement of a response or taking part in the EOI process.

Please register your interest in respect of this project via the Industry Capability Network website at <http://asc.icn.org.au>

**Registrations close 11:59pm (ACST) Friday 3<sup>rd</sup> September 2021.**

Any enquiries should be directed to:

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