

## **Request for Expression of Interest:**

*Dieso Fuel Filtration (DFF) Cleaning Module*

*Gearbox Lube Oil (GBLO) Cleaning Module*

***Final Assembly & Testing of Complete Package***

## **Hunter Class Frigate Program**

### **Including:**

- Scope of Work
- Required Supplier Capabilities
- Pre-Qualification Questionnaire
- Closing Date For Expression Of Interest

## Acronyms and Abbreviations

Acronym	Description
<b>ABN</b>	Australian Business Number
<b>ANZSIC</b>	Australian and New Zealand Standard Industrial Classification
<b>COTS</b>	Commercial Off The Shelf
<b>EOI</b>	Expression of Interest
<b>FAT</b>	Factory Acceptance Test
<b>HAT</b>	Harbour Acceptance Test
<b>HCFP</b>	Hunter Class Frigate Program
<b>ICN</b>	Industry Capability Network
<b>ISO</b>	International Organisation for Standardisation
<b>OEM</b>	Original Equipment Manufacturer
<b>T26</b>	Type 26 Global Combat Ship

## Definitions List

Term	Definition
<b>DFF</b>	<b>Dieso Fuel Filtration</b>
<b>GBLO</b>	<b>Gearbox Lube Oil</b>
<b>NDA</b>	<b>Non - Disclosure Agreement</b>
<b>NDT</b>	<b>Non - Destructive Testing</b>

## Table of Contents

1	PREFACE .....	4
2	SCOPE OF WORK .....	5
3	REQUIRED SUPPLIER CAPABILITIES .....	7
4	PRE-QUALIFICATION QUESTIONNAIRE .....	8
5	CLOSING DATE FOR RESPONSES .....	9

## 1 PREFACE

GEA Mechanical Equipment UK Ltd as a main supplier to the Type 26 Global Combat Ship program is seeking Expressions of Interest from Australian Industry in order to deliver Dieso Fuel Filtration (DFF) and Gearbox Lube Oil (GBLO) Cleaning Module to BAE Systems Australia Limited and ASC Shipbuilding Pty Ltd for the Hunter Class Frigate Program.

GEA is a leading global supplier of high-performance equipment to many industry sectors. Our centrifuge separation technology is used in excess of 3000 different applications worldwide. GEA is active in the following market sectors; Beverage, Food, Pharma, Chemical, Oil & Gas, Utilities and Marine. GEA is a global leader in the production of separator units for Navy purposes.

The DFF and GBLO Cleaning Modules will be based on the existing Type 26 equipment.

As a result, GEA is seeking EOI from Australian Small to Medium Enterprises (SMEs) with all the engineering capabilities to complete Final Assembly and Testing of DFF & GBLO Module Packages to a pre-existing design.

The purpose of the Pre-Qualification Questionnaire is to establish the feasibility of prospective industrial partners. Businesses that can demonstrate the skills & capabilities sought within the EOI and those that are down selected will be approached directly by GEA for further engagement. This may in future require entry into Non-Disclosure-Agreement (GEA supplier NDA template is enclosed) should discussions progress as well as gaining an understanding of any export control agreements that may need to be considered to comply with (for example) ITAR & EAR to fully understand and develop how GEA may be able to better understand the potential benefit of each business & its capabilities.

Respondents should note that information contained within the EOI is subject to change and should not be relied on by respondents as final or definitive.

The information you provide within your EOI will be used by the OEM to down select organisations for further engagement.

## 2 SCOPE OF WORK

Final assembly of DFF & GBLO cleaning module package, testing & documentation presentation to acceptance status witnessed by client and classification society inspection at the Factory Acceptance Test (FAT) This FAT will be a wet test using turbine line oil, prior to cleaning and packing for dispatch to the client's facility. Each module package is a build to print design with main components being free issued by GEA for the assembly works. Collaboration with GEA will be required to maximise local industry content use without adversely impacting cost.

The DFF cleaning module package consists of a base frame & pipe work (GEA EOI package No1) with a separator (free issued by GEA) control cabinet (GEA EOI package No2) mounted on the frame and a feed pump (free issued by GEA) All Components, valves, pipework, cable trays and wiring of the module components to be in accordance with project specification. GEA Australia Engineers will carry out pre-FAT inspection and provide local support at the final client FAT.

The GBLO cleaning module package consists of a base frame & pipe work (GEA EOI package No1) with a separator (free issued by GEA) control cabinet (GEA EOI package No2) all to mounted on the base frame together with an electric heater (free issued by GEA) and a feed pump (free issue by GEA) All Components, valves, pipework, cable trays and wiring of the module components to be in accordance with project specification. GEA Australia Engineers will carry out pre-FAT inspection and provide local support at the final client FAT.

### a. Scope of supply

The DFF cleaning module package (x2 per ship set) Dry weight approx.: 2940 kg / l x w x h = 2100 mm x 1900 mm x 1891 mm

The GBLO cleaning module package (x1 per ship set) Dry weight approx.: 1455 kg / l x w x h = 1968 mm x 1318 mm x 1650 mm

### b. Work tasks

- **Assembly:** Final assembly of DFF & GBLO cleaning module packages as a build to print design
- **Painting:** The free issue components are supplied primed to be painted by an Australian company, GEA EOI package No1 base frame & pipe work will be supplied already painted locally/ including any final paint requirements to finish inspection acceptance prior to dispatch.

- **Wiring:** The control cabinets are to be supplied completely wired under GEA EOI package No2. The remaining cabling of the plant is carried out by a local company, including cable material
- **Testing:** Leakage Test of the plant before FAT with compressed air. The FAT must be carried out.  
This includes a function test with liquids (Turbine oil and Water) and presentation of all relative FAT project documentation witnessed in the presence of the Client and classification society surveyor.
- **Packing:** After a successful FAT and acceptance by the client and classification society surveyor the system to be cleaned, preserved and packed according our packing guideline prior to dispatch to the client's facility.



Example pictures above of GEA FAT facility in Oelde Germany

### **3 REQUIRED SUPPLIER CAPABILITIES**

The selected supplier shall fulfil the following requirements:

- A suitable ISO 9001:2015 (latest issue) Approved for the require scope or equivalent
- Experience in the manufactured of control panels & cabinets to a number of standards. In addition to providing inhouse control and automation support services.
- Qualified staff including automation service support engineers
- Experience of Marine / Navy and requirement
- Assembly, testing capabilities including test bench for a wet FAT with Turbine Lube Oil.
- Experience with handling of Navy Projects
- Documented material control and traceability procedures for in-house and sub-supplier manufacture.

## 4 PRE-QUALIFICATION QUESTIONNAIRE

Included for reference is a copy of GEA Supplier Questionnaire (document 001), GEA Code of Conduct for Suppliers (document 002) and GEA supplier NDA (document 003). Should GEA down select a Supplier for further engagement these documents will need to be completed and signed.



GEA\_Supplier  
Questionnaire\_EOI-Word Doc



GEA\_Code of  
Conduct for Suppliers



GEA\_Supplier  
NDA\_EOI-Word Doc

Additionally, please provide responses to the questions below.

1. Provide full details of previous major defence, maritime or commercial projects in which your company has manufactured and supplied similar equipment.
2. Do you have previous experience supplying control panels and enclosures in addition to providing inhouse control and automation support services.
3. What State/s do you have these capabilities in?
4. Have you worked on defence contracts before?
5. Provide details of the company's management organisation structure.
6. Are you an Australian-owned company?
7. Are you an Indigenous company?
8. Please provide the number of Indigenous/Aboriginal/Torres Islander employees your organisation has? (Stipulate Full Time and Part Time)
9. State acquired company certification and accreditations.
10. Stipulate any further competitive discriminators that have not been identified in the answers to previous questions.
11. Have you updated your ICN company profile with your trading name, contact details, website, ABN, number of employees, annual turnover, export details (if applicable) and ANZSIC codes? This information will be used in assessing this EOI.
12. Can you demonstrate a suitable quality management system accreditation under ISO 9001:2015 or equivalent?
13. List of references and previous experience for the supply of similar equipment for Navy or other Defence applications.



## **5 CLOSING DATE FOR RESPONSES**

12.00am (Australian Central Standard Time) on 25<sup>th</sup> Sep 2020