



# Expression of Interest

PP/1269 Converter/Inverter – FoC (Cat-C Modified)

Hunter Class Frigate Program

**BAE SYSTEMS**

Maritime Australia

## Acronyms and Definitions

Abbreviation	Definition
<b>ABN</b>	Australian Business Number
<b>AIC</b>	Australian Industry Capability
<b>BAE</b>	BAE Systems Australia Limited
<b>CDRL</b>	Contract Data Requirement List
<b>COTS</b>	Commercial Of The Shelf
<b>DISP</b>	Defence Industry Security Program
<b>EOI</b>	Expressions Of Interest
<b>FOC</b>	First of Class
<b>GCS-A</b>	Global Combat Ship-Australia
<b>HCFP</b>	Hunter Class Frigate Program
<b>ICN</b>	Industry Capability Network
<b>OQE</b>	Objective Quality Evidence
<b>PDS</b>	Power Distribution System
<b>RAN</b>	Royal Australian Navy
<b>RAP</b>	Reconciliation Action Plan
<b>RFT</b>	Request for Tender
<b>SOW</b>	Scope of Work
<b>SWaP-C</b>	Space, Weight and Power-Cooling
<b>T26</b>	British Type 26 Global Combat Ship

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## 1. INTRODUCTION

BAE Systems Maritime Australia are seeking Expressions of Interest (EOI) for the delivery of a 400Hz Power Distribution System (PDS) to support the Hunter Class Frigate Program (HCFP).

BAE Systems Maritime Australia was selected to design and build nine future frigates for the Royal Australian Navy (RAN). The BAE Systems Future Frigate offering, also known as the Hunter Class GCS-A (Global Combat Ship – Australia) is a variant of the British Type 26 GCS (T26).

Nine Hunter Class Frigates will be built at the ASC Shipbuilding Facility at the Osborne Naval Shipyard, Adelaide, SA. BAE Systems Australia and ASC Shipbuilding are committed to maximising opportunities for Australian industry through the Hunter program, which is the largest surface ship project in the nation's defence history.

Cut Steel for Prototyping proceeded as planned in December 2020 and First of Class (FOC) is on schedule for December 2022. This EOI is for 400Hz Static Frequency Converters to be supplied for First of Class.

The purpose of the Capability Questionnaire is to establish the feasibility of prospective industrial partners to provide a range of military-grade, 400Hz Static Frequency Converters to ASC Shipbuilding across the HCFP for one ship set. The information you provide within your EOI will be used to down select contractors to receive a formal Request for Tender.

ASC Shipbuilding and the Commonwealth of Australia is committed to maximising Australian Industry Capability as part of the Project. The successful contractor will be required to provide a plan for how they intend to support this requirement.

## 2. SCOPE

The 400Hz PDS consists of the following components and subsystems:

- 1x 440V 400Hz Static Frequency Converter;
- 3x 115V 400Hz Static Frequency Converter;
- Integration with platform services; and
- Integration with combat systems.

In addition to the provision of the 400Hz PDS, the supplier shall also develop simulation and stimulation packages to support the following activities:

- On-board and land based training; and
- End to end integration testing at a land based test site.

The 400Hz PDS supplier shall perform all activities necessary to manage, design, develop, construct, integrate, test, deliver, install and obtain Certification and Acceptance of the Supplies by ASC Shipbuilding.

Contractors will be responsible for the creation and adherence to a detailed schedule which will be embedded as part of the overall HCFP schedule. The schedule will be tracked and provide confidence to ASC Shipbuilding and the end customer that the contractor will meet its requirements for both material and labour to complete the work scope. The current plan is for the contractor to be responsible for storing all procured material offsite, delivering directly to the ASC Shipbuilding yard or land based test site only when required under the agreed schedule.

### 3. MATERIALS

PRODUCT
440V 400Hz (3 Phase) Output Converter/Inverter
115V 400Hz (Single Phase) Converter/Inverter

Note: All power supplies will be of a Lloyds quality as specified in Rules and Regulations for the Classification of Naval Ships and is required to observe and provide reports for elements such as Shock, Noise & Vibration and Environmental Operating compliance.

### 4. PRE-QUALIFICATION QUESTIONNAIRE (GENERIC)

1. Does your website provide a detailed description of your Company's capability? If yes then provide the appropriate link.
2. Are you an Australian registered company? Provide your ABN details?
3. Are you an Indigenous company and registered with Supply Nation? If yes, provide a link to your profile on the Supply Nation Website or other supporting evidence.
4. Do you have a Reconciliation Action Plan (RAP) in place? If yes, please provide evidence.
5. How many Indigenous/Aboriginal/Torres Strait Islanders are employed within your organisation? Stipulate whether the employees are Full Time or Part Time.
6. Attach a copy of company's management organisation structure and provide details of your full time headcount.
7. State your Professional Indemnity, Product and Public Liability and Work Cover Insurance coverage.
8. Please state what quality certification and accreditations you hold? Please provide evidence.
9. Do you hold Defence Industry Security Program (DISP) Membership? If so, please state what membership level you hold.

\*Advance Notice: DISP membership will be a requirement for all contracts.

Refer to the DISP Presentation on the [Hunter Class ICN Gateway](#) for information about DISP Membership and how to apply.

10. On Time Delivery – Are you able to consistently provide on time guarantee service to agreed time frames? How do you self-evaluate and analyse your performance? Do you have data / reports you could provide examples of?

## 5. PRE-QUALIFICATION QUESTIONNAIRE (SPECIFIC TO THE REQUIREMENTS)

1. Provide an outline of prior experience in the design, development, construction, integration, testing, delivery, installation and certification of Power Distribution Systems that your Company has previously delivered to a major defence, maritime or commercial project for Military applications?
2. Describe your approach to resolving combat system and platform integration issues, including resolving issues with respect to Space, Weight and Power-Cooling (SWaP-C) and integration with the Combat Management System.
3. Do you have capability to manufacture 400Hz Power Distribution Systems locally in Australia? If yes, please provide examples of local content manufacture. If not, please provide country of origin and estimated percentage of Australian Industry Capability content.
4. Will your company require engaging in any joint ventures or alternative contracting models to complete the SOW? Details to be provided.
5. Provide details of how your company can support BAE Systems Maritime Australia's commitment to support AIC. Detail if the labour to complete the SOW will be provided by Australian permanent residents.
6. Does your company comply with all relevant Anti-Slavery, Anti-Bribery, and Corruption legislation in your jurisdiction? Please provide a copy of your relevant policies and include details of the relevant legislation
7. Provide an outline of prior experience in development of simulations and stimulations for on-board/land based training and integration activities.
8. For delivery, Installation and Training Services, are your field Technicians equipped in the knowledge of General Site safety Rules, responsibilities and able provide appropriate Licences?
9. Do you have a clear understanding of the requirements for providing Contract Data Requirements List (CDRL) and Objective Quality Evidence (OQE) documentation? Please provide examples of experience.
10. Is your ICN company profile with the your trading name, contact details, website, ABN, number of employees & annual turnover up to date?
11. Stipulate any further competitive discriminators currently not identified.

**Closing date for Expression of Interest:  
By COB Friday 13<sup>th</sup> Aug 2021 – 4.00PM**

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