

Expression of Interest (EOI): Arcturus Evaluation Program

Purpose

This EOI allows teams to register early interest in evaluating Arcturus, a deterministic compute platform with integrated tooling for certification-grade workflows. The EOI is non-binding and assists with allocation of early-access units and testing support.

Organization Information

Team / Organization:	
Faculty/Department (if relevant):	
Primary Contact (Name, Email, Role):	
Secondary Contact (Optional):	

Program Background

Arcturus integrates deterministic hardware, a closed SDK, and automated verification tools into a single platform designed for aerospace- and safety-critical development. The evaluation program enables selected teams to trial the hardware, SDK, and test automation workflow in a controlled early-access environment.

Project Overview

Vehicle/platform type (rocket, UAV, satellite, payload, etc.):	
Current compute/avionics stack:	
Key testing/verification challenges:	
Relevant mission timeline (if applicable):	

Requested Evaluation Scope

Tick relevant:

- | | |
|--|---|
| <input type="checkbox"/> Hardware platform (deterministic MCU/SoC prototype) | <input type="checkbox"/> Automated verification & traceability pipeline |
| <input type="checkbox"/> Firmware HAL + low-level drivers | <input type="checkbox"/> Full system integration |
| <input type="checkbox"/> SDK + toolchain | |

Preferred testing environments:

- | | |
|--|--|
| <input type="checkbox"/> HITL | <input type="checkbox"/> Environmental testing |
| <input type="checkbox"/> Bench testing | <input type="checkbox"/> Flight testing |
| <input type="checkbox"/> SITL/mission simulation | <input type="checkbox"/> Other: _____ |

Expected Technical Outcomes

Please indicate the outcomes or deliverables most relevant to your team.

- | | |
|---|--|
| <input type="checkbox"/> Accelerated test cycle time | <input type="checkbox"/> Certification artefact exposure |
| <input type="checkbox"/> Automated logging/traceability | <input type="checkbox"/> Reliability verification |
| <input type="checkbox"/> Data for research or capstone | <input type="checkbox"/> Improved integration clarity |

Commercial Participation (Optional)

Indicate whether your team would consider participating in paid evaluation access, depending on availability.

This is not a commitment and does not constitute a quote.

- ☐ Yes, estimated budget range: _____ (AUD/USD/Other: _____)
- ☐ No, we prefer non-commercial access

Notes on procurement (if any):

Timeline

When could your team begin evaluation?

- | | |
|--|--|
| <input type="checkbox"/> Immediate (0–1 month) | <input type="checkbox"/> Mid-term (3–6 months) |
| <input type="checkbox"/> Short-term (1–3 months) | <input type="checkbox"/> Long-term (6+ months) |

Additional Information

(Optional comments, project constraints, student involvement, research aims, etc.)

