**Orbital Edge Accelerator Response Form**

*This document replicates the official online application for the Orbital Edge Accelerator. This document is* ***not*** *a substitute for a formal application submitted via the official Accelerator page: (*[*https://orbitaledge.techconnect.org/*](https://orbitaledge.techconnect.org/)*). It is available for respondents to plan their entries ahead of time.*

*It is not required to utilize this document nor is it required to include this document in any official application for the Accelerator. Any attempt to use this document as an official application for the Accelerator will be immediately disqualified from consideration.*

***All information required unless otherwise noted***

**Applicant Information**

Please provide the following information regarding the Principal Investigator (PI):

* First name
* Last name
* Email
* Title
* Mailing address
* Phone
* Are you a United States citizen or permanent resident? Yes or No
* Country of Citizenship: (single select radio buttons)
	+ I am exclusively a citizen or permanent resident of the United States of America.
	+ I have dual citizenship: the United States of America and another country.
* If you indicated dual citizenship above, please indicate all countries in which you are a citizen besides the United States.

Organizational Information

* Organization name
* Registration: U.S. entity or non-U.S. entity
* Headquarters mailing address
* Organizational type:
	+ Academic
	+ Commercial startup (C+)
	+ Corporation
	+ Early Stage Startup (Seed)
	+ Government
	+ Mid-Stage Startup (A or B)
	+ Nonprofit
	+ Small-to-Medium Enterprise
* Number of Employees:
	+ 1 - 19
	+ 20 - 99
	+ 100 - 499
	+ 500 - 2499
	+ 2500 or more
* Ownership: (optional)
	+ Woman-owned
	+ Minority-owned
	+ Veteran-owned
* Website/URL
* Organizational Unique Entity ID from SAM.gov. If you are not registered, you can do that here: https://sam.gov/entity-registration. (optional)
* Is the technology proposed here subject to any U.S. export control laws and regulations, such as the Arms Export Control Act, 22 U.S.C.2751- 2799, including the International Traffic in Arms Regulation (ITAR), 22 C.F.R. 120-130.; and the Export Administration Act, 50 U.S.C. app. 2401-2420, including the Export Administration Regulations, 15 C.F.R. 730-774; including the requirement for obtaining any export license or other approval?
	+ No
	+ Yes
* If you responded yes to the question above regarding export control, please indicate the name and/or code ID to which your technology is subject.

Project Information

* Technology Title (120-character limit)
* One-Sentence Description (300-character limit)
* Technology Readiness Level (TRL)
* Describe the technology and the objectives of the proposed project. What issue(s) does the technology address? What is transformational about the technology relative to the existing state-of-the-art? How do the proposed project objectives align with the offeror’s technology maturation plan? (1,400-character limit)
* Clearly describe the need for space-based testing utilizing the ISS (e.g., microgravity, the harsh space environment, the ISS vantage point) and why the proposed project objectives cannot be completed using ground-based methods or other microgravity platforms (e.g., drop towers, parabolic flights, suborbital flights). (1,000-character limit)
* Provide a basic description of the project’s in-orbit requirements and experimental set-up. Describe any specific hardware or in-orbit facilities necessary to support this project, if known. Define the logistical support (i.e., launch and return) requirements. If known, provide an in-orbit operations timeframe (i.e., desired launch date and flight duration). (1,400-character limit)
* Describe the scientific and technical merits of the technology and the proposed project. Provide enough technical background to enable a clear understanding of the technology. Explain how the technology and the outcomes of the proposed project align with this opportunity and with current advancements in the scientific or technical area of interest. Demonstrate a clear and compelling scientific or technical justification for space-based testing. Outline the novelty of the technology, the expected impact of the experiment, and emphasize how the spaceflight conditions are essential to achieving project objectives. (1,400-character limit)

Qualifications and Background

* Describe the background and expertise of the Principal Investigator. Document the PI’s success in the field of study, or for new investigators, demonstrate that the PI has appropriate experience and training or has partnered with a qualified co-investigator. Document the PI’s success in building and/or operating a commercially viable business. (1,400-character limit)
* Does the PI have technological and/or operational support from other key individuals within the organization?
	+ Yes
	+ No
	+ Not currently but anticipated
* If there are other key individuals on the team, who are they, what are their roles, and what expertise do they bring to the team? (optional, 1,400-character limit)
* Provide the LinkedIn profile for the PI
* Provide the LinkedIn profiles for the key leaders on the team besides the PI. (optional)

Business Information

* Why should customers and funders be interested in this technology or company? What sets this technology or company apart from alternatives (1,400-character limit)
* Describe your anticipated pathway to commercialization for your proposed technology. (1,400-character limit)
* Who do you anticipate as customers for your technology? (1,400-character limit)
* Describe your go-to-market strategy for this technology. (1,400-character limit)
* How large is the market for your proposed technology? (1,400-character limit)
* Provide your best estimate of unit economics of the proposed project and/or solution, including sale price and major variable and fixed costs. (1,200-character limit)

Budgets and Funding

* Provide a good faith budgetary estimate for costs associated with this project. Project costs are those direct costs and indirect costs (e.g., overhead, general and administrative, or finance and administrative costs) to manage and implement the project. Note that the launch costs and astronaut time costs will be covered by the ISS National Lab. All funds must be entered in real dollar amounts. 1000-character limit (1,000-character limit)
* Indicate the amount of funding your organization is contributing directly to the project. This does not include any in-kind contributions. (1,000-character limit)
* Indicate any external funding your organization has received. Examples include but are not limited to: SBIRs, other government grants, government contracts, academic/commercial partnerships, etc. Please indicate if you have secured the funds from other sources or have simply requested the funds. If you have received funds in the past, or are currently receiving funds, identify the organization and funding amount. (1,400-character limit)
* Based upon your funding status, please estimate your current runway in months (500-character limit)
* Provide a value for your average monthly burn. (500-character limit)

Supplemental Information

* Does your technology solution incorporate any of the following? Select all that apply. (optional)
	+ Traditional Machine Learning algorithms
	+ Deep Learning models
	+ Generative AI systems
	+ Autonomous AI agents
	+ None of the above
* Describe the specific AI/ML components in your solution and their intended functions (optional, 750 characters max)
* What type of data will your AI/ML systems process? Select all that apply. (optional)
	+ Satellite imagery
	+ Telemetry data
	+ Sensor readings
	+ Communication signals
	+ Environmental data
	+ Other (please specify)
* Is there any additional information to be shared with the evaluation team that is not addressed in any preceding question? (optional, 1,400-character limit)
* If you have obtained letters of support or interest from any external organization, please upload them (optional, 4MB maximum file size)
* If you have brochures for your company and/or technology, please upload them (optional, 4MB maximum file size)