

**REQUEST FOR PROJECT PROPOSAL  
HQ0034269ASGD**

Advanced Scalable Growth Architecture for Robotic Deployment (ASGARD)

Issued by:

Washington Headquarters Services  
4800 Mark Center Drive, Suite 09F09  
Alexandria, VA 22350-0002

On Behalf of:

Office of the Deputy Assistant Secretary of War for Energy Resilience and Optimization  
Operational Energy-Innovation (OE-I)  
Operational Energy Capability Investment Fund (OECIF)

## **1.0 INTRODUCTION**

In support of the Office of the Assistant Secretary of War for Energy Resilience and Optimization, Operational Energy-Innovation (OE-I), Operational Energy Capability Investment Fund (OECIF)'s Area of Interest (AOI) entitled Advanced Scalable Growth Architecture for Robotic Deployment (ASGARD), the Washington Headquarters Services, Acquisition Directorate (WHS/AD) anticipates entering into a 10 United States Code (U.S.C.) § 4022 Other Transaction (OT) agreement for a prototype project, which is not subject to the Federal Acquisition Regulation (FAR) or any of its Supplements. This Request for Project Proposal (RPP) is seeking a proposed solution for creating a persistent, cost-effective, and scalable in-orbit platform.

This RPP consists of a two-phase, competitive down-select process: Phase 1 – White Paper and Phase 2 – Proposal. Below are the document submission guidelines for each phase. The “Company” shall ensure that its submission(s) meet(s) all of the requirements detailed herein.

The Government will evaluate submissions with the intent of entering into negotiations for the purpose of awarding a standalone prototype OT agreement. However, the Government is under no obligation to make an award. The Government will not reimburse any costs incurred by the Company for the development and/or negotiation of its submission(s).

## **2.0 AREA OF INTEREST (AOI)**

OECIF is seeking solutions for creating a persistent, cost-effective, and scalable in-orbit platform. Such a platform offers a significant strategic advantage by providing a foundational, adaptable infrastructure for a wide range of missions, reducing the reliance on costly and vulnerable bespoke systems. This capability can greatly aid the warfighter by enabling responsive and upgradable assets in space.

The ASGARD project is designed to meet this need by demonstrating a low-cost, persistent in-orbit platform that is scalable, reconfigurable, and upgradable. The core of the mission is to validate that a modular architecture, combined with robotic servicing, can efficiently build and maintain large, complex structures in space. This involves proving that scalable, low-cost modular components can be robotically joined and serviced over time.

While this versatile platform could host various applications of interest to the warfighter, such as on-orbit solar power collection and beaming, the primary focus of the ASGARD program is the demonstration of the foundational persistent platform itself.

#### Additional Information: Key Objectives

To achieve the overall mission goal, the ASGARD LEO spacecraft must successfully achieve the following primary objectives:

The overarching goal of the ASGARD mission is to demonstrate a low-cost, modular, and scalable framework for persistent space platforms using robotic assembly methods. This will be achieved by validating the following key architectural principles:

1. Demonstrate a Low-Cost, Scalable Architecture using Robotic Assembly and Government Furnished Modular Panels
  - Prove that the robotic arms can manipulate government furnished modular panels with a maximum dimension of 0.7m x 0.9m x 0.2m.
  - Prove that the platform's functional size and capability can be significantly expanded on-orbit by assembling and integrating modular "panel" components onto a common structural backbone using robotic arms.
2. Demonstrate Application/Payload Specific Operation as a Power-Beaming Testbed
  - Demonstrate initial platform use through the operation of high efficiency Solar to RF tiles to beam power from LEO to the ground. (These power-beaming tiles will be Government Furnished and integrated into the Government Furnished modular panels.)
  - Validate payload agnostic operational support through the bi-directional passing of power between the payload and spacecraft bus.
  - Incorporate a sensor on the bus to measure planarity of the payload's antenna (non-PV) surface.
  - Provide spacecraft pointing modes suitable for ground experimentation, including ground reference pointing (GRP) and local-vertical local-horizontal (LVLH) pointing. Spotlight SAR pointing (i.e., GRP pointing where the spacecraft x-axis maintains a specified angle with respect to vertical at the ground reference point) is also desired for power beaming experimentation.
3. Validate a Modular Approach to Sustainment and Upgradability
  - Demonstrate that the platform is not a static design but a sustainable asset capable of receiving new components from a visiting vehicle in future launches. Confirm the system's long-term viability by showing how newly delivered components could perform as a functional upgrade, extending the platform's life

and capabilities without requiring a full replacement (upgrades to the common backbone or directly to the bus).

### **Special Considerations:**

The majority of the mission will be conducted at an unclassified level, with the option for future classified payloads to be added. Given the capability for new vehicles to dock and attach, some mission phases may involve classified operations. For those specific portions of the mission, the following requirements will apply:

- Facility Clearance Requirement: The contractor may be required to establish and maintain a facility security clearance sufficient to perform classified work and operate secure mission control centers or they can defer classified operations to the government team.
- Personnel Clearance Requirements: All personnel involved in the design, operation, or data handling of the mission must hold and maintain the appropriate security clearances for the classification level of the program.
- Required Locations: Classified mission operations must be conducted from a Secure Compartmented Information Facility (SCIF) or an equivalent secure operations room that meets all government requirements for handling classified information. It is acceptable to hand-off operations to the Government for special classified missions.

### **3.0 PROPOSAL SUBMISSION INSTRUCTIONS**

3.1 Compliance: Respondents shall ensure that their proposal submission meets all of the requirements detailed herein.

3.2 Submission Deadline: The Company's White Paper submission must be received no later than **June 24, 2026, 10:00 AM (Eastern)**.

3.3 Electronic Submission: This electronic copy of the RPP is the only version available. Submitters upload all solutions through the SAFiRE™ portal at <https://crisl.gov.com>. See the OECIF website: <https://oecif.org/>, for "Getting Started" instructions. Please use the designated section based on organization type: Targeted RPP.

3.4 Controlled Unclassified Information: Any submissions that are anticipated to include controlled unclassified information (CUI) are subject to security requirements in the National Institute of Standards and Technology (NIST) Special Publication (SP) 800-171r2, "Protecting Controlled Unclassified Information in Nonfederal Systems and Organizations." Submissions and supporting documents shall not include classified material.

3.5 Procurement Integrity Act (PIA): All submissions shall be treated as "source selection information" as defined by 41 U.S.C. § 2101(7), and contents shall only be disclosed in accordance with 41 U.S.C. § 2102.

3.6 Use of Non-Government Advisors: Consortium Member(s) are advised that information submitted in response to the RPP may be released to both Government and supporting contractor

personnel during the evaluation process. Handling of this information includes both administrative tasks and assisting with technical evaluations. Non-Government advisors and Government support personnel will have signed and be bound by non-disclosure agreements (NDAs) with the Government. Any response submitted under this RPP shall constitute a grant of authority by the submitting Consortium Member to the Government allowing the use of non-Government advisors to participate in evaluations of all phases of the RPP process.

Non-Government Advisors:  
PavCon, LLC  
Astrion, LLC

3.7 Proposed Project Solutions shall be submitted as separate files as indicated in the table below:

Phase	File	Page Limit	File Type
1	White Paper <i>Mandatory template must be used</i>	7	MS Word or PDF
2	Cover Page	2	MS Word or PDF
2	Project Execution Plan <i>Mandatory template must be used</i>	15	MS Word
2	Price Information	N/A	MS Excel and MS Word or PDF
2	Affirmation of Business Status Certification <i>Mandatory template must be used</i>	N/A	MS Word or PDF
2	End User License Agreement <i>Mandatory template must be used</i>	N/A	MS Word or PDF
2	Conflict of Interest Disclosure <i>Mandatory template must be used</i>	N/A	MS Word or PDF
2	Terms and Conditions	N/A	MS Word

3.7.1 Additional Submission Instructions:

- Templates shall be used as provided with no changes to syntax format, except to convert to final PDF.
- All files shall be unencrypted, not password protected.
- Files shall not exceed 5MB

#### 4.0 PROPOSAL PREPARATION INSTRUCTIONS

All submission documents shall reference the RPP number provided at the top of page 1. The Company may discuss ideas and details of the proposed solution with the Government during the proposal writing process.

If applicable, the submission shall also include documentation proving the Company's ownership of or possession of appropriate licensing rights to all patented inventions (or inventions for which a patent application has been filed) that will be utilized under your proposed solution. If a patent application has been filed for an invention that your proposed project solution intends to utilize, but the application has not yet been made publicly available and contains proprietary information, you may provide only the patent number, inventor name(s), assignee names (if any), filing date, filing date of any related provisional application, and a summary of the patent title, together with either: (1) a representation that you own the invention, or (2) proof of possession of appropriate licensing rights in the invention.

All submission documentation containing data that is not to be disclosed to the public for any purpose or used by the Government except for evaluation purposes shall include the following disclosure on the cover page: *"This proposal includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed -- in whole or in part -- for any purpose other than to evaluate this proposal. If, however, an agreement is awarded to this Company as a result of -- or in connection with -- the submission of this data, the Government shall have the right to duplicate, use, or disclose the data to the extent agreed upon by both parties in the resulting agreement. This restriction does not limit the Government's right to use information contained in this data if it is obtained from another source without restriction. The data subject to this restriction are contained in sheets [insert numbers or other identification of sheets]"*

Each restricted data sheet should be marked as follows: *"Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this proposal."*

4.1 Proposal Documentation: This RPP consists of a two-phase, competitive down-select process: Phase 1 – White Paper and Phase 2 – Proposal. Below are the document submission guidelines for each phase.

**Phase 1 – White Paper:** Interested Companies shall use the mandatory White Paper template to submit a concise outline of their proposed project solution (Reference document: P07 HQ0034269ASGD\_White Paper Template).

**Phase 2 – Proposal:** Companies invited to participate in Phase 2 shall submit the following documents (templates will be provided in the Phase 2 invitation):

**Document 1 – Cover Page:** The proposal submission shall include a cover page that provides the following:

*Company Information:* Company Name, Unique Entity Identifier (UEI) number, Company Point of Contact Name, E-Mail Address, Phone, and Address, and any team members (subcontractors).

*Government Support Required:* Identify the support, if any, the Company requests of the Government; such as facilities, equipment, data, and information or materials.

*Intellectual Property:* Provide a good faith representation you either own or possess appropriate licensing rights to all other intellectual property that will be utilized under your proposed solution.

Additionally, the Company shall provide a short summary for each item asserted with less than Government purpose rights that describes the nature of the restriction and the intended use of the intellectual property in the conduct of the proposed solution.

*Statutory Requirements:* The proposed solution is intended to be executed as an OT Agreement under the authority provided for in 10 U.S.C. § 4022 which allows the Department to carry out certain prototype projects. Provide an explanation as to how the proposed solution meets the following requirements of 10 U.S.C. § 4022:

- a. The proposed solution is directly relevant to enhancing the mission effectiveness of personnel of the Department or improving platforms, systems, components, or materials proposed to be acquired or developed by the Department, or to improvement of platforms, systems, components, or materials in use by the armed forces [Explain how and what the proposed solution will be directly relevant to.] (Note: The Department’s OT Guide imparts that directly relevant “focuses on the agency determination of the direct relationship of the prototype project (as opposed to a tangential association) with the Department mission.)
- b. The proposed solution will meet the definition of a prototype project as defined in 10 U.S.C. § 4022(e)(5), [review definition and insert supporting information that explains how the proposed solution meets the definition.]
- c. The proposed solution will meet the requirements of 10 U.S.C. § 4022(a)(1) by [review section and insert supporting information that explains how the proposed solution meets the requirement of that section and which specific requirement it meets.]
- d. The proposed solution will meet the requirements of 10 U.S.C. § 4022(d). The authority of 10 U.S.C. § 4022(d)(1) requires the proposed solution meet at least one of the following conditions:
  - There is at least one nontraditional defense contractor (NDC) or one nonprofit research institution (NRI) participating to a significant extent in the prototype project.
  - All significant participants in the transaction other than the Federal Government are small businesses (including small businesses participating in a program described under section 9 of the Small Business Act (15 U.S.C. § 638)) or NDCs.
  - At least one third of the total cost of the prototype project is to be paid out of funds provided by sources other than the Federal Government.
  - The senior procurement executive for the agency determines in writing that exceptional circumstances justify the use of a transaction that provides for innovative business arrangements or structures that would not be feasible or appropriate under a contract or would provide an opportunity to expand the defense supply base in a manner that would not be practical or feasible under a contract.

[Insert supporting information that explains which option and how the resulting project will meet that requirement.]

Additionally, it is anticipated the proposed solution *will OR will not* include costs that were incurred before the date on which the award will become effective, and therefore, *meets OR does not meet* the requirements of 10 U.S.C. § 4022(d)(2). [If it is anticipated the prototype project will not meet the requirements, provide an explanation as to why, and explain all costs incurred before the anticipated award date with justification for them.]

- e. INCLUDE IF GREATER THAN \$100M BUT NOT GREATER THAN \$500M, OTHERWISE DELETE: Use of the authority identified in 10 U.S.C. § 4022(a)(2)(A) is essential to promoting the success of the prototype. [Explain why it is essential to use the authority in excess of \$100M for this prototype and how this threshold is essential to promoting the success of the proposed solution.]

OR

INCLUDE IF GREATER THAN \$500M, OTHERWISE DELETE: Use of the authority identified in 10 U.S.C. § 4022(a)(2)(B) is essential to meet critical national security objectives. [Explain why it is essential to use the authority in excess of \$500M and how the prototype at this threshold is essential to meeting critical national security objectives.]

**Document 2 - Project Execution Plan (PEP):** Respondents shall submit a PEP using the mandatory PEP template. The PEP shall describe the project solution tasks to be completed and shall address all sections identified in the template. The milestone payment schedule included in the PEP should clearly indicate the completion of the priced tasks and/or priced deliverables that are required to meet each of the milestones. (Reference document: P07 HQ0034269ASGD\_A2\_PEP).

**Document 3 - Price Information:** The Company shall propose a total price the Government will pay for the proposed project solution. Proposed pricing should align with the milestone payment schedule included in the PEP (Document 2). While other award types can be proposed and negotiated, the Government anticipates a fixed-price agreement, with the milestone schedule serving as the payment schedule for any subsequent award.

The Company shall provide a pricing spreadsheet and price justification documentation, which includes any other data or supporting information that may be necessary for the Government to make a price reasonableness determination. The price justification shall provide the Government with a clear understanding of how the proposed labor, materials, equipment, other direct costs, travel, etc. directly support the proposed project solution and why they are essential to the success of the project.

Proposed project solutions must be determined reasonably priced in order to be eligible for award. The Government reserves the right to request additional pricing information in order to make a price reasonableness determination. Failure to provide sufficient price justification documentation may prohibit the Government from awarding the proposed project solution.

Resource Contributions: Use of 10 U.S.C. § 4022 prototype authority for proposed project solutions is contingent on either the significant participation of at least one Nontraditional Defense Contractor (NDC) or Nonprofit Research Institution (NRI), complete participation by a small business, or resource contribution, of at least one-third, by any Consortium Member's other than the aforementioned. For resource contribution, the Consortium Member shall propose its full resource contribution in a separate spreadsheet, tying each resource contribution to the Milestone Payment Schedule in the PEP and provide a summary in the format below.

<b>Base Period:</b>		
Base Government Contribution	\$0.00	%
Base Consortium Member Contribution	\$0.00	%
<b>Base Total</b>	<b>\$0.00</b>	<b>100%</b>
<b>Option Period:</b>		
Option Government Contribution	\$0.00	%
Option Consortium Member Contribution	\$0.00	%
<b>Option Total</b>	<b>\$0.00</b>	<b>100%</b>
<b>Grand Total</b>	<b>\$0.00</b>	

**Document 4 – Affirmation of Business Status Certification:** The Company shall submit a completed and signed copy of the provided Affirmation of Business Status Certification template for itself and every entity (separate company or individual resource) that is participating to a significant extent (Reference document: P07 HQ0034269ASGD\_A4\_ABSC).

**Document 5 – End User License Agreement:** If applicable, the Company shall submit a proposed End User License Agreement (EULA). If a EULA is not applicable, insert [INTENTIONALLY DELETED] in the provided Attachment 3 document, and update the Terms and Conditions to remove all references to EULA, including adding [INTENTIONALLY DELETED] to the Terms and Conditions' Table of Contents, which will be removed entirely prior to award. (Reference document: P07 HQ0034269ASGD\_A5\_EULA)

**Document 6 - Potential, Actual, or Perceived Conflicts of Interest Disclosure:** Respondents shall provide the information required in the Potential, Actual, or Perceived Conflicts of Interest Disclosure document. (Reference document: P07 HQ0034269ASGD\_A6\_COI)

**Document 7 – Terms and Conditions:** The Company shall complete any sections of the provided Terms and Conditions template that are highlighted in yellow and shall propose any additional changes using tracked changes (Reference document: P07 HQ0034269ASGD\_T&Cs).

## 5.0 BASIS FOR PROPOSED PROJECT SOLUTION EVALUATION

5.1 **Phase 1 – White Paper:** Timely Phase 1 submissions will be evaluated against the following criteria:

- (1) Relevance to the AOI. *Submissions that are determined not relevant will be excluded from further consideration.*
- (2) Merit and feasibility to the AOI.

5.2 **Phase 2 – Proposal:** Based on the results of Phase 1 evaluations, select companies may be invited to participate in Phase 2. Phase 2 submissions will be evaluated against the following criteria:

- (1) Reasonableness / feasibility of technical approach
- (2) Reasonableness of the proposed schedule.
- (3) Reasonableness and/or adequacy of the proposed project cost.
  - a. If value is over \$100M but not \$500M use the following:  
Feasibility and/or adequacy of the proposed project cost, and use of the authority is essential to promoting the success of the prototype project.
  - OR**
  - b. If value is over \$500M use the following:  
Feasibility and/or adequacy of the proposed project cost, and use of the authority is essential to meet critical national security objectives.
- (4) Potential impacts of the proposed data rights assertions.
- (5) Demonstration that the proposed solution meets the definition of a prototype project as defined in 10 U.S.C. § 4022(e)(5). This should be clearly articulated by the Company.

## 6.0 BASIS FOR PROPOSED PROJECT SOLUTION AWARD

6.1 The Government will review the proposed project solution using the criteria stated above, focusing on the overall project solution, price reasonableness, and alignment with the Government's objectives. If the proposed project solution is determined not to meet one of the criteria above, it will not be evaluated for the remaining criteria and will be declined for further consideration of an award. The Government may, at its sole discretion, decline further consideration of the proposed project solution if it:

- Does not adequately address the objectives of the AOI.
- Presents a technically unsound or infeasible approach.
- Proposes an unrealistic schedule.
- Proposes an unreasonable project cost.
- Does not meet the definition of a prototype project.
- Presents unacceptable data rights risk the Government's ability to utilize and share the resulting technology.
- Is deemed not to be of interest to the Government.

6.1.1 Following evaluation of Phase 2 submissions, the Government may enter negotiations with the Company. Negotiations may cover all aspects of the proposed project solution, including

technical approach, price, terms and conditions, the PEP, data rights, and business status. The Company should be prepared to discuss its solution in detail and have a representative with signing authority present at all meetings. *Only an Agreements Officer has the authority to enter into, or modify, a binding Agreement on behalf of the Government.*

6.1.2 Upon favorable review, the Government may award an OT agreement based on the negotiated terms and conditions that will reflect the best interest of the Government. *The Agreements Officer must make the following determinations in order for the proposed project solution to be eligible for award: 1) the proposed price must be determined reasonable and 2) the proposed project solution must meet the statutory requirements for use of prototype OT authority.*

6.1.3 Participation in this process does not guarantee that the Company will be awarded an agreement.

6.2 Government Feedback: The Government appreciates all Consortium Member(s) that participate in the competitive process. Consortium Member(s) are advised that the Government may not provide feedback on submissions during either phase of the RPP process. Companies will be notified if selected to move from Phase 1 to Phase 2. By submitting a response to this RPP, the Consortium Member acknowledges that it may not receive feedback on its submission(s).

6.3 Important Considerations:

- Flexibility: The Government retains maximum flexibility throughout this process. The Government may modify the evaluation criteria, request additional information, or terminate the process at any time.
- Broad Discretion: The Government has broad discretion in selecting, negotiating with, and awarding agreements. The Government's decision is final and not subject to appeal.
- No Guarantee of Award: Participation in this process does not guarantee that the Company will be awarded an agreement.
- Best Value: The Government will make award decisions based on all relevant factors, including technical merit, cost, schedule, and the potential benefits to the Government.

## **7.0 ADDITIONAL INFORMATION**

7.1 System for Award Management (SAM) Registration: The Company shall be registered in the SAM at <https://www.sam.gov/> in order to receive an award and maintain an active SAM registration for the life of the OT agreement. The representations and certifications made by the Company, including those completed electronically via the SAM shall be incorporated by reference into any resulting OT agreement that is awarded from this RPP.

7.2 Responsibility Determination: The Company must be determined responsible by the Agreements Officer and must not be suspended or debarred from award by the Federal Government nor be prohibited by Presidential Executive Order and/or law from receiving award.

7.3 Foreign Investment and/or Control: The Company shall disclose any/all Foreign Investment or Control, included any partnerships and/or teaming arrangements involving companies with foreign investment or control. The ability to obtain an award under this RPP may depend upon the ability

of the Foreign-Owned business to obtain necessary clearances and approvals to obtain proscribed information.

7.4 Partnering/Teaming Arrangements: If the Company is partnering with another entity for the performance of this prototyping effort it shall include a copy of the partnering agreement in the proposal submission.

## **8.0 FOLLOW-ON PRODUCTION**

In accordance with 10 U.S.C. §4022(f), and upon a determination that the prototype project for this transaction has been *successfully completed*, in part or in whole, this competitively awarded prototype OT agreement may result in the award of a follow-on production transaction without the use of competitive procedures. Please note a follow-on production transaction will constitute a separate negotiation and award to ensure the Company and Government incorporate the outcomes which were ‘successfully completed’.

*Successfully Completed:* In accordance with DoW Policy the following definition of successfully completed will be incorporated into the OT agreement and specified in the PEP: *A transaction for a prototype project is complete upon the written determination of the appropriate approving official for the matter in question that efforts conducted under a Prototype OT: (1) met the key technical goals of a project; (2) satisfied success metrics incorporated into the Prototype OT; or (3) accomplished a particularly favorable or unexpected result that justifies the transition to production. Furthermore, successful completion can occur prior to the conclusion of a prototype project to allow the Government to transition any aspect of the prototype project determined to provide utility into production while other aspects of the prototype project have yet to be completed. Any Prototype OT shall contain a provision that sets forth the conditions under which that prototype agreement shall be successfully completed.*

## **9.0 MANDATORY GOVERNMENT TERMS AND CONDITIONS**

As noted above, this agreement is not governed by the FAR or any of its Supplements, and the Government strives to provide flexibility in the use of commercial terms and conditions. However, there are a number of non-negotiable terms and conditions that are based on law, process limitations, or other reasons. These will be specifically annotated in the proposed terms and conditions accompanying this RPP. Taking exception to any of the terms and conditions annotated as mandatory may jeopardize the Government’s ability to award an agreement.

## **10.0 QUESTIONS**

Questions related to this RPP shall be directed to the following points of contact:

Agreements Officer, Kimberly Kozlowski at [kimberly.e.kozlowski.civ@mail.mil](mailto:kimberly.e.kozlowski.civ@mail.mil), and  
Agreements Officer, Jacqueline Verrine at [jacqueline.g.verrine.civ@mail.mil](mailto:jacqueline.g.verrine.civ@mail.mil).