

REQUEST FOR INTEREST

Request for Interest No.:	RFI-25-026
Title:	Automated Tape Wrapping System
Procurement Officer:	Tess Klatt
Due Date:	July 9, 2025

UT-Battelle is considering Subcontracting for the items/services generally described below under a new agreement issued as a Firm Fixed Price. All Interested Parties are asked to provide a response to this Request for Interest (RFI) indicating the ability to meet each element of the technical criteria set forth in this document.

NOTE: All information provided will be used for planning purposes only and will not be considered an offer to perform work nor will any information be used external to UT-Battelle and its client, The United States Department of Energy.

CONTACT INFORMATION

Provide the following prime potential Offeror information:

Company Name: _____

Address: _____

Contact Name: _____

Phone Number: _____

Email Address: _____

DUNS No.: _____

SAM.gov UEI No: _____

SUMMARY OF SCOPE

The agreement contemplated may include, but not necessarily be limited to, the following work:

UT-Battelle (UTB), operating contractor for Oak Ridge National Laboratory (ORNL), seeks supplier sources to enable equipping and commissioning an Automated Tape Wrapping system to support composite perform production needs. ORNL aims to enhance its prototype capabilities through the implementation of this equipment, which will facilitate the efficient and precise laying of woven prepregged carbon fiber tape in our composite fabrication processes.

The system must be capable of laying woven, prepregged carbon fiber tape up to 12 inches wide. It is essential that the system accommodates varying tape thicknesses while maintaining consistent tension and pressure throughout the layup process. The system must be able to deposit tape around complex geometries, particularly flat arches with an inner radius of 9 inches. The equipment should provide the necessary precision and flexibility to navigate these shapes without compromising the quality of the fiber architecture.

The Automated Tape Wrapping system should enable programmable controls, including but not limited to, precise tape placement, adjustable layup angle, temperature control, roller pressure, tension, and feeding speed. Integration with computer-aided design (CAD) software for generating and modifying complex layup patterns is also desired.

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In addition, comprehensive on-site installation support is required as part of the procurement process. The selected vendor shall collaborate closely with personnel at UTB to ensure proper system integration and full compliance with operational standards. Detailed information on the system's maintenance protocols, including component accessibility and the availability of spare parts is requested. Additionally, comprehensive training must be provided to UTB personnel to ensure effective operation and maintenance of the equipment, enabling the in-house team to manage the system independently and efficiently.

Location of the Work:	Offeror's facility with installation at ORNL in Oak Ridge, TN
Period of Performance (estimated):	12-months from date of award (desired installation is August 2026)
Socio-Economic Set-Aside:	TBD
Anticipated RFP NAICS Code:	335999 "All Other Misc. Electrical Equipment and Component Manufacturing"
Size Standard for NAICS Code:	600 Employees

Classified Work is included: ☐ Yes ☒ No

SURVEY OF ABILITIES

Interested Parties are asked to complete the following to indicate their ability to meet the technical criteria of this scope.

1. Commercial Data

- A. Has the potential Offeror signed up and entered their information in the Ariba Supplier Portal?

☐ Yes ☐ No

- B. Has your company been debarred from working with the US Government in the last 5 years?

☐ Yes ☐ No

Note: This response is subject to verification in SAM.gov.

2. Environment, Safety & Health

- A. Has your company worked the previous three (3) years without a fatality or without receiving any willful or non-willful citations or fines from OSHA or other regulatory organizations?

☐ Yes ☐ No

- B. Has your company worked the previous three (3) years without receiving, or contributing to the receipt of, any citations, or fines for Price-Anderson Amendments Act (PAAA) or Worker Safety & Health enforcement non-compliances?

☐ Yes ☐ No

- C. Has your company worked the previous three (3) years without receiving, or contributing to the receipt of, any citations by a Federal or state agency for violations of an environmental regulatory requirement?

☐ Yes ☐ No, were any fines or penalties levied? ☐ Yes ☐ No

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3. Technical Criteria

- A. Potential Offeror shall provide details on how they directly relevant experience in the following items:
- Implementation of a design and integration of an Automated Tape Wrapping system.
 - Experience in providing a customized system to meet the statement of work requirements.
 - Experience performing work on a DOE site. If yes, please provide site location.
- B. Potential Offeror shall provide verification of the following:
- Verification of Offeror's intent to provide full engineering and integration of all sub-assemblies and deliver and install a full end-to-end system.
 - Verification of Offeror's intent to provide full engineering and support and deliver plans for a full end-to-end system.
 - Verification of Offeror's intent to provide particular sub-assembly components without integration.
- C. Potential Offeror shall provide any documentation showing previous system expertise with regard to technical criteria.

4. Direct Relevant Experience Documentation:

Provide a reference list of example projects that demonstrate relevant project experience to support this scope of work. Interested parties are asked to include the following information (please provide additional narrative, capability statements, etc. as necessary to show relevant experience): Client Name, Address, Contact and Telephone Number; Work Description; Estimated Value; Work Location; Performance Dates

RESPONSE SUBMITTAL

Electronic response (e-mail w/ attachments) is the preferred method of response and is required by no later than July 9, 2025.

Address response along with any questions to: Tess Klatt, KlattTA@ornl.gov