



INVITATION FOR DOCUMENTED QUOTE (DQ) – THIS IS NOT AN ORDER

Bid Number: DQ25011 VACUUM LEAK DETECTOR SYSTEM DQ

Purchasing Agent: Elevate Quantum
E-Mail: RFQ@ElevateQuantum.org

BID DUE DATE AND TIME: 12, June, 2025, 5:00 PM (Mountain Time)

SCHEDULE OF ACTIVITIES	DATE	TIME (MT)
DQ Publication	20, May, 2025	
Written Inquiry Deadline	2, June, 2025	3:00 PM
Publication of Responses to Written Inquiries	No later than 5, June, 2025	5:00 PM
DQ Submission Deadline	12, June, 2025	5:00 PM

SUBMISSION FORMAT:

Submit the following proposal information. Please name each file appropriately per the below.

1. **SIGNATURE** section, completed and signed
2. Completed Documented Quote Paperwork/Pricing filled out below
3. Signed W-9, W-8BEN, or W-8BEN-E (whichever applies)
4. Any addenda submitted via e-mail, signed
5. Warranty Literature
6. Product Literature
7. Any other documents or information requested
8. **DQ Bid # and name must be included in the subject line of your email for all communications (ex: "EQ25000 Equipment Spec DQ")**

DESCRIPTION:

Elevate Quantum (EQ) seeks bids for a Vacuum Leak Detector System. This system will be used in a shared use Dilution Refrigerator (DR) cryogenic testing lab. It should be capable of detecting leaks in small lab scale vacuum chambers and will be used primarily for troubleshooting leak points on the DR vacuum chamber. The leak detection system will be used on a Maybell Quantum 500uW dilution refrigerator with a 175 L vacuum chamber volume. The system should be sized to also work with the Maybell Quantum 1000 uW "Big Fridge" with a 600 L vacuum chamber volume which may be a future addition to our cryo lab. For maximum flexibility, the leak detection system should be made up of two main components, a helium based leak detector and a separate roughing pump.

A low maintenance system, without oil and seal replacements, is desired. Any maintenance requirements, or consumable components should be explicitly outlined and explained in the bid submission.

Please specify the anticipated pump down time on the 175 L and 600 L DR vacuum chambers in your bid based on the proposed roughing pump and leak detector configuration.

SPECIFICATIONS:

Leak Detector:

Feature	Value
Oil Free (Dry) operation	Yes
Test method	Vacuum leak detection & Sniffing leak detection
Pumping speed for He	2.5 l/s or greater
Minimum detectable leakage rate for helium (vacuum leak detection)	5 x 10 ⁻¹² mbar l/s
Minimum detectable leakage rate for helium (sniffing leak detection)	5 · 10 ⁻⁹ mbar l/s
Include Sniffer probe	Yes
Include He gas spray gun	Yes
Input voltage(s)	US - 115V 60 Hz
I/O interfaces	RS-232 / USB

Roughing Pump:

Feature	Value
Pump Type	Roots Blower Preferred
Oil Free (Dry) operation	Yes
Maintenance Requirements	Low
Cooling	Air
Typical Ultimate Pressure	< 5 · 10 ⁻² mbar
Voltage	US - 115V 60 Hz

PERFORMANCE REQUIREMENTS:

Any services provided (including but not limited to installation) must be completed Monday through Friday, 7:00am – 5:00pm.

The Contractor shall furnish all labor, materials, and equipment needed in order to perform services.

If any services are being provided in association with the equipment/items, Contractor must obtain and maintain the minimum insurance coverages set forth in Exhibit A **“INSURANCE REQUIREMENTS”** during the duration of the contract.

While on site, all Contractor personnel shall wear identifiable uniforms or easily identifiable badges displaying the name of the company and the individual.

The contractor shall be solely responsible for any damages caused by its workforce while performing the services. If damage occurs, the contractor shall notify EQ as soon as reasonably possible and repair damages immediately at no cost to EQ. If immediate repairs are not possible, repairs shall be scheduled within 24hrs. The contractor shall provide labor and materials for the repair or replacement of these damages at no cost to EQ.

PRICING:

Item 1: _____

Quantity: _____

Manufacturer: _____

Part #: _____

Item 1: \$ _____ Each

Item 1: \$ _____ Total

List any other notes related to Item 1:

Item 2: _____

Quantity: _____

Manufacturer: _____

Part #: _____

Item 2: \$ _____ Each

Item 2: \$ _____ Total

List any other notes related to Item 2:

Delivery:

Type of shipping method (provide specific Incoterm): _____

Number of shipments: _____

Estimated arrival date(s): _____

Shipping Cost: _____

Ship To:

**Elevate Quantum COMmons campus located at:
18300 CO-72
Arvada, CO 80007**

Country of Origin:

Specify the country or countries of origin for all final goods being procured as part of this RFP.

Importation and Shipping Details:

If country or countries of origin are outside the United States, indicate whether the equipment will be imported directly by the Buyer (Elevate Quantum) or whether the Seller (or its U.S.-based affiliate) will import the equipment into the United States.

Tariff Classification and HS Codes:

If country or countries of origin are outside the United States, provide Harmonized System (HS) codes for the equipment and key components, if available, to facilitate Buyer review of applicable tariff rates.

Tariff and Duty Responsibility:

Disclose whether any tariffs, duties, or customs fees apply to the equipment or any of its components. State clearly whether all such tariffs and import-related costs are included in the total price quoted in the Proposal. If such costs are not included in the quoted price, provide an itemized estimate of these costs and an explanation of how they will be invoiced to the Buyer.

Training (if applicable):

Do you provide training? Provide details:

Installation (if applicable):

Do you provide installation? Provide details:

Bidder to provide facilities guidelines identifying dimensions, environmental requirements, utility requirements, and a list of any required support equipment not provided by bidder.

Estimated Installation Cost(s): _____

Estimated Installation date (s): _____

Warranty:

Duration of Warranty: _____

Warranty Cost: _____ (if applicable)

(Please include warranty details in a separate file)

SERVICE CONTRACT:

Do you offer a post-warranty service contract option? If yes, please provide details.

OTHER:

Include details for any other applicable costs:

All equipment is required to be UL certified and stickered. Please provide confirmation of UL certification or supporting documentation showing UL listing of equipment with bid.

AVAILABLE DISCOUNTS:

Describe any available discounts available to Elevate Quantum should an award be made. Please describe the parameters under which these discounts are available.

TOTAL BID PRICE:

We offer the above goods without exception or qualification, for the listed prices of:

Item Cost: \$ _____ (USD)

Training Cost: \$ _____ (USD)

Installation Cost: \$ _____ (USD)

Shipping Cost: \$ _____ (USD)

Warranty Cost: \$ _____ (USD)

Service Contract Cost: \$ _____ (USD)

Other Costs: \$ _____ (USD)

Total Cost of Items: \$ _____ (USD)

EXPORT CONTROL CLASSIFICATION NUMBER (ECCN):

If the product has an ECCN number, please provide the number: _____

BID SUBMITTAL AND CONDITIONS:

Bids must be submitted before the bid due date and time. Submission is via email to: RFQ@ElevateQuantum.org.

DQ Bid # and name must be included in the subject line of your email for all communications (ex: "EQ25000 Equipment Spec DQ")

Questions must be submitted via email to RFQ@ElevateQuantum.org prior to 2, June at 3:00 PM MT.

All bids must include this DQ form completed, answers to the required questions and any additional requested information.

All bids submitted must be signed by a duly authorized official of the company.

Fax or hardcopy bids will not be accepted.

EQ reserves the right to reject any or all submittals.

EQ will not accept a quote as a bid.

EQ *may* allow Bidders an opportunity to cure minor submissions errors.

Elevate Quantum encourages participation from all types of businesses including, but not limited to: Small, Minority-Owned, Women-Owned, Disabled Veteran-owned, Veteran-Owned, and Large. If your company can provide the goods and/or services as requested, we encourage you to respond to this solicitation.

COMMUNICATIONS:

All communications regarding this solicitation should be sent **via e-mail** to:
RFQ@ElevateQuantum.org

This DQ and any written modifications, as posted on www.elevatequantum.org , represent the entire solicitation. Any information about this solicitation received by Bidders from sources other than from the documents posted on www.elevatequantum.org or via email from the EQ RFQ team shall have no effect on the solicitation.

Bidders finding fault in the specifications contained in this bid should notify the Purchasing Agent listed in this solicitation upon receipt of this DQ.

MODIFICATIONS / ADDENDUM:

In the event that it becomes necessary to revise or modify any part of this DQ, an addendum will be posted on www.elevatequantum.org. It shall be the responsibility of the Bidder to check the website periodically to see if any modifications have been issued. Failure to retrieve such modifications, and include their provisions in your bid response, may result in your bid being disqualified.

AWARD:

The factors to determine the award of this DQ shall be as follows in no order of precedence:

1. Pricing.
2. Delivery / service time or schedule.
3. Equipment's specifications.
4. Vendor qualifications.
5. Vendor service and maintenance capabilities.
6. Vendors located within the Tech Hub designated states of Colorado, New Mexico, and Wyoming will be given preference.
7. The bid that is most advantageous for EQ.

EQ may evaluate the bids received to bid responsiveness, bidder responsibility, and, at the EQ opinion, other relevant factors.

The bid tab will be posted on www.elevatequantum.org.

PURCHASE ORDER TERMS:

After award, an EQ Purchase Order will be offered to the successful Bidder. Specifications, requirements, terms, and conditions of this solicitation shall be considered incorporated into the resulting Purchase Order, unless specified otherwise in the Purchase Order. The contents of the bidder's response will become contractual obligations of the Purchase Order. Failure of the selected Bidder to accept these obligations in a Purchase Order may result in cancellation of the order and award to another Bidder.

In the event that the Bidder's forms (or parts of forms) are included in the Bidder's response and subsequently included as attachments or exhibits to the final Purchase Order, the Bidder agrees that, where there are contradictions or inconsistencies, the terms of the Purchase Order shall always supersede and control those of any such attachment or exhibit.

SIGNATURE:

Bidder's Legal Name:	
Printed Name of Authorized Representative:	
Signature of Authorized Representative:	
Title:	
Telephone:	
Email:	

Date of Signature:	
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EXHIBIT A – INSURANCE REQUIREMENTS

Summary of Requirements:

The COI should show the following:

Legal Name: Elevate Quantum

Address: 7100 N Broadway, STE #1Q, Denver, CO, 80221

- 1) **Worker's Compensation** – (a) Coverage A (workers' compensation) at statutory limit; and (b) Coverage B (employers liability) at \$100,000
- 2) **General Liability** – (a) \$1,000,000 each occurrence; (b) \$1,000,000 general aggregate; (c) \$1,000,000 products and completed operations aggregate; (d) \$1,000,000 personal/advertising; \$50,000 fire damage (any one fire); and \$5,000 medical payments (any one person)

- 3) **Automobile Liability** – (a) \$1,000,000 bodily injury/property damage (each accident); and (b) personal injury protection at the statutory limit
- 4) **Additional Insured** - Elevate Quantum shall be named as additional insured on all Commercial General Liability and Automobile Liability Insurance policies
- 5) **Cancellation** - policies shall include provisions preventing cancellation or non renewal without at least 30 days prior notice
- 6) **Subrogation Waiver** - shall include clauses stating that each carrier shall waive all rights of recovery, under subrogation or otherwise, against Contractor or Elevate Quantum, its agencies, institutions, organizations, officers, agents, employees, and volunteers

Any COIs not stating Elevate Quantum as an additional insurance, and showing 30 day notice of cancellation and waived subrogation will not be accepted.