

Warsaw, October 15th 2021

**REQUEST FOR QUOTATION No 01/10/ETC
(principle of competition)**

I. CONTRACTING PARTY:

*ETC-PZL Aerospace Industries sp. z o.o.
Al. Krakowska 110/114, 02-256 Warszawa
NIP 522 01 01 817 KRS 0000010025
Tel: 22 846 54 17 mail: przetargi@ai.com.pl*

II. ORDERING MODE

The contract will be awarded in the form of a tender procedure (the principle of competitiveness)

CPV CODE:

34740000-6 - Aircraft or spacecraft equipment, training devices, simulators and similar parts

III. SUBJECT OF THE ORDER AND ITS DESCRIPTION:

1. Concerns the Project "Helicopter simulator for Police Aviation", no. DOB-BIO10 / 07/01/019, implemented for the defense and security of the state under the competition no. 10/2019.
2. The construction of the simulator is aimed at creating a training device enabling the training of flight crews and police officers in the field of procedures related to guidance and landing from the helicopter deck.
3. The simulator will consist of the original helicopter cockpit and visual system mounted on the 6DOF motion platform

Description of the order:

Scope of order: manufacturing, delivery and installation of the projection display system (display system) for Sikorsky S70i helicopter flight simulator.

System requirements:

Continuous field of view for S70i cockpit.

Display system has to be prepared for the installation on the 6 DOF motion system.

Display system has to be either spherical front projection or collimated.

Display system will be used in S70i helicopter simulator - display system size and FOV should meet this helicopter cockpit geometry.

Solid-state light source projectors (LED, Laser) are required.

Display system should be built for light tightness to allow proper night training.

The Contractor will provide Interface Control Document describing data and requirements for mechanical, electrical, control and video signal interconnections between display system and the simulator.

The Contractor will provide Operation and Maintenance Manual for the system.

The Contractor will grant the license for the above documents for the purpose of including them in simulator's documentation.

Minimum system performance

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| FOV | <ul style="list-style-type: none">• horizontal: 200 degrees,• vertical: 40 degrees; from -20 degrees below to +20 degrees above the horizon line |
| Brightness | 5 ftL |
| Contrast | 5:1 |
| Resolution | 3.5 arcmin / px |
| Mechanical/optical blending for night scenes | Required |

Optional system performance:

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| Stimulated NVG capability | Optional |
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| Geometry correction and blending provided with the visual system e.g. built in the projectors | Optional. With this option entire system latency can not exceed 75ms |
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Support and installation

Delivery will include the following activities:

1. Initial installation at ETC-PZL facility Warsaw, Poland; system has to be installed and tested on ETC-PZL provided frame (stationary); Partial screen finish is acceptable for non colimated system to reduce costs of tear down and installation
2. System tear down and packing
3. Final installation on ETC-PZL provided frame on 6DOF motion platform at the end-user facility (in Poland) followed by the ATP. For the final installation it is required to provide complete screen finish for non collimated system.

Contractor can assume that ETC-PZL will provide mechanical and electrical support during both installations.

Proposal should cover system delivery to ETC-PZL facility in Warsaw (Poland) only.

System shipment from ETC-PZL facility to the end user site will be covered by ETC-PZL.

Contractor will have to provide at least 24 months guarantee.

Contract schedule:

- 1. initial installation: October 2022**
- 2. final installation: September 2023**

Contractors' proposals must contain a declaration that the subject of the contract proposed by them will meet all the requirements specified above.

IV. CONTRACTOR OF THE SUBJECT OF THE CONTRACT:

The inquiry is directed to entities actively conducting business activity, i.e. natural persons, organizational units with legal capacity, or legal persons conducting business activity.

Contractor has to declare experience in projection visual systems manufacturing and that he has delivered at least one system (of the same kind or similar, with the same specification as described or higher) in previous 24 months.

Contractor has to declare experience in designing and manufacturing projection visual systems that are installed on the 6DOF motion systems.

V. CONDITIONS FOR PARTICIPATION IN THE PROCEDURE:

1. No possibility to submit partial offers.
2. Offers must be submitted in writing.
3. Offer validity date – **90 days**.
4. Offers should be submitted in Polish or in English.
5. Domestic entities participating in the procedure should submit an offer specifying the total net and gross price of the order (expressed in PLN).
6. Foreign entities participating in the procedure should enter the net value expressed in PLN on the offer form. In order to evaluate the offer, the ordering party will add to the price presented in the offer the value of public and legal liabilities that will be required to pay, in accordance with the applicable regulations on the import of goods. If the value of the offers in a foreign currency is given, the value of the contract will be converted into PLN according to the average exchange rate of the National Bank of Poland on the day of opening the offers.

VI. SCOPE OF EXCLUSION OF CONTRACTORS FROM THE PROCEDURE:

Entities related to the Ordering Party personally or by capital are excluded from the procedure, i.e. capital or personal ties are understood as interconnections between the Ordering Party or persons authorized to incur liabilities on behalf of the Ordering Party or persons performing on behalf of the Ordering Party activities related to the preparation and conduct of the contractor selection procedure, and contractor, consisting in particular of:

1. participating in the company as a partner in a civil partnership or partnership,
2. having at least 5% of shares or stocks,

3. performing a member of the supervisory or management body, proxy, proxy,
4. being married, in relationship of kinship or affinity in a straight line, kinship of the second degree or affinity in the lateral line, or in relation to adoption, guardianship or guardianship.

VII. DATE AND CONDITIONS FOR FULFILLING THE ORDER:

Final order completion date:

1. initial installation: October 2022
2. final installation: September 2023 (Confirmed with an acceptance protocol)

Payment date: the payment terms will be agreed with the Bidder whose offer is considered the most advantageous.

VIII. OFFER EVALUATION CRITERIA:

- Within the framework of this procedure, only offers that meet all the requirements will be considered.
- Maximum number of points possible - 100.
- The Awarding Entity will consider the most advantageous offer which is not subject to rejection and will obtain the highest number of points awarded under the established criteria.

TOTAL: 3 evaluation criteria max. 100 points

Assessment method: The best offer in terms of gross price (lowest price) + vertical field of view + geometry correction and blending = 100 points.

| Lp. | Assessment criterion | Scoring and weight | The method of awarding points for meeting a given application evaluation criterion |
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| 1 | Price | Scoring from 0 to 70 points (Weight 70%) | <p>The tenderer offering the lowest price (in PLN) will receive the highest number of points in the given criterion. The comparison will be made by calculating the ratio of the price in the offer with the lowest price (including public and legal liabilities) to the price of the examined offer (including public and legal liabilities). Amount of points awarded to individual offers will be made by multiplying the obtained quotient by 70.</p> <p>$K \text{ price} - \text{Price criterion} = (C \text{ min} / C \text{ bo}) \times 70$ $C \text{ min}$ - Price of the lowest offer (including public and legal liabilities). $C \text{ bo}$ - Price of the examined offer (including public and legal liabilities).</p> <p>If the value of the offers in a foreign currency is given, the value of the contract will be converted into PLN according to the average exchange rate of the National Bank of Poland on the day of opening the offers.</p> <p>In the case of offers submitted by foreign entities, the Ordering Party, in order to evaluate the offer, will add to the price presented in the offer the value of public and legal liabilities, which it will be obliged to incur, in accordance with the applicable regulations on the import of goods.</p> <p>Maximum number of points for this criterion: 70 points.</p> |
| 2. | Vertical field of view | Score from 0 to 20 points (Weight 20%) | <p>A tenderer offering a visualization system with a field of view greater than required by the minimum requirements will receive 10 points for each additional 10 degrees FOV below the horizon exceeding the minimum requirements.</p> <p>Maximum number of points for this criterion: 20 points</p> |

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| 3. | Geometry correction and blending in the projection system | Score from 0 to 10 points (Weight 10%) | The tenderer offering the projection system with built in geometry correction and blending will receive 10 points Maximum number of points for this criterion: 10 points |
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VIII. DEADLINE AND TERMS FOR SUBMISSION OF OFFERS:

Offers should be submitted on the offer form constituting Appendix 1 to this RFQ.

Completed offer form should be supplemented with the technical specification of the offered system as well as other information and documents relevant from the contractor's point of view for the implementation of the future order / contract for the delivery of the visualization system.

Offers should be submitted by November, 15th 2021, 01 pm (UTC)

Offers can be submitted by choosing one of three options:

1. Send by letter / courier to the registered office of the Ordering Party: ETC-PZL Aerospace Industries sp. z o. o., 02-256 Warsaw, Al. Krakowska 110/114 building B24, (submit date is the date of delivery to the company's headquarters)
2. Send by e-mail to the e-mail address: przetargi@ai.com.pl (submit date is the date of email delivery to the email server)
3. Submit personally at the headquarters of ETC-PZL Aerospace Industries sp. Z o. O., 02-256 Warsaw, Al. Krakowska 110/114 building B24 (submit date is the date of delivery to the company's headquarters)

IX. CONDITIONS OF SIGNING THE CONTRACT:

1. The Ordering Party reserves the right to cancel the inquiry without giving any reason, and to leave the procedure without selecting the offer.
2. The submission of an offer by the Contractor does not constitute a contract.
3. All costs related to the submission of the offer shall be borne by the tenderer.

X. CONDITIONS FOR CHANGING THE CONTRACT:

1. The contracting authority provides for the possibility of changing the contract if there is a change in generally applicable legal provisions affecting the performance of the subject of the contract.
2. The Ordering Party provides for the possibility of changing the contract in the scope of extending the deadline for the performance of the contract in the event of random events or for reasons beyond the control of the Ordering Party and the Contractor.
3. The contract may be terminated in the event of force majeure.

XI. CONDITIONS OF SUPPLEMENTARY ORDERS

The contracting authority provides for the possibility of awarding the Contractor selected under the principle of competition with supplementary public contracts, in the amount not exceeding 50% of the value of the public procurement specified in the contract concluded with the contractor, provided that these public contracts are in accordance with the subject of the basic public procurement.

XII. PUBLICATION

The inquiry was made public at the seat of the Ordering Party, on its website www.ai.com.pl, and was also sent by e-mail to potential Contractors.

We approve and invite you to submit offers.

XIII. LANGUAGE VERSION

This RFQ has been prepared in two language versions: in Polish and in English. In case of divergence between the language versions, the Polish version shall prevail.

CZŁONEK ZARZĄDU
Rasa Prawny

Mikołaj Zug