



Republic  
of Poland



The National Centre  
for Research and Development

Piaseczno, 02.07.2020 r.

*Purchaser:*

Creotech Instruments S.A.

ul. Gen. L. Okulickiego 7/9, 05-500 Piaseczno

NIP 9512244313 REGON 141246690

KRS 0000407094

### **REQUEST FOR PROPOSAL NO. 13/2020**

For the successful realization of the Project No. MAZOWSZE/0183/19 „*Innovative autonomous camera for analyzing objects near Earth*”, within „Path for Mazovia” financed by the National Centre for Research and Development, **Creotech Instruments S.A.** is inviting to submit proposals to procure the object of purchase.

#### **I. Procurement specification:**

The subject of purchase is to provide 2 pieces Front side Illuminated (FSI) image sensors made in sCMOS technology meeting the following parameters:

- 1 piece of ES grade (engineering sample) - electrically and mechanically compatible with grade 2 and better sensors. May contain image defects larger than the grade 2.
- 1 piece of at least the second grade - the sensor is fully functional, but it may have the following defects: maximum 10 damaged columns/rows, including admissible damage to a maximum of 2 adjacent columns/rows, it is unacceptable to have damage to 3 or more adjacent columns/rows.

1. The tenderer's proposal shall meet requirements listed below:

- Monochrome sensor
- Resolution: 37MPix - 6144 x 6144 pixels
- Pixel size: 10µm x 10µm
- Active area: 61.44mm x 61.44mm
- Maximum frequency at full resolution: at least 44 frames/s with at least 12 bit signal processing, 14 frames/s with at least 14 bit signal processing
- Built-in shutter: electronic, "rolling shutter"



- The ability to read image data using at least 50 pairs of LVDS lines with a frequency of up to 630MHz divided into 2 groups
- Support for 4x CMS (Correlated Multiple Sampling) mode
- Full Well Capacity: 138ke- for the mode with highest capacity
- Read noise: no more than 5e-
- Quantum efficiency: better than 71% for 550nm wavelength
- Dark current: less than 35 e-/pix/s at 25 degrees Celsius and less than 0.01 e-/pix/s at -65 degrees Celsius
- The ability to read image data by multiplexing data channels: 52/26/14/8 LVDS pairs
- The package allows it to be used both at room temperature (approx. 25 degrees Celsius) and deeply cooled (approx. -50 degrees Celsius)
- Pin compatibility with the "Back Side Illuminated" (BSI) version

2. The object of purchase shall be delivered by 30-10-2020

3. Evaluation criteria:

A. Criterion – Price (maximum number of points = 100) - the highest number of points will receive the offer containing the lowest net price, and each subsequent one in accordance with the formula:

$$LC = \frac{CMIN}{CO} * 100 \text{ points}$$

where:

LC - number of points received for the price criterion

CO - net price of the offer

CMIN - the lowest net price of the offer received in response to the inquiry

## II. Conditions for participation in a procurement procedure:

Only proposals submitted by tenderers who fulfil requirements below will be assessed.

1. The tenderers shall have required by law regulations entitlements to provide the object of the purchase.
2. The tenderers shall have necessary technical capacity that is required to provide the object of the purchase.
3. The tenderer's economic and financial situation shall allow them to provide the object of the purchase.



4. The tenderers shall not be capital or personally tied to Purchaser or persons authorized to incur liabilities on behalf of Purchaser or persons responsible on behalf of Purchaser for preparing and conducting Tenderer selection procedures.

### **III. The place and date of the submission of proposal:**

1. Proposals shall be submitted to the registered office of the Purchaser, at the address: Creotech Instruments S.A., Gen. L. Okulickiego 7/9, 05-500 Piaseczno, Poland, or via email address at: [biuro@creotech.pl](mailto:biuro@creotech.pl)
2. Proposals shall be submitted by 13-07-2020. If proposal is supplied by post or courier, the date of delivery to Creotech Instruments S.A. is bounding.
3. Proposals submitted after the last day of period for the submission will not be assessed.
4. The award procedure shall be conducted in the registered office of the Purchaser by 14-07-2020.
5. Results of the award procedure shall be announced via Purchaser's website: [www.creotech.pl](http://www.creotech.pl).
6. Additional information on the subject of purchase may be received from Paweł Zienkiewicz mail: [pawel.zienkiewicz@creotech.pl](mailto:pawel.zienkiewicz@creotech.pl)

### **IV. Conditions for the submission of the proposals:**

1. Each Tenderer may submit only 1 (one) proposal.
2. The proposal must be submitted on the Inquiry Form, which forms Annex no. 1 to the request for proposal.
3. The proposal must be submitted in Polish or English language and signed by Tenderer's authorized representative.
4. The proposal price for providing the object of purchase must be in polish zloty (PLN) or euro (EUR) or american dollar (USD) currency and must be presented as gross value (including VAT), net value (excluding VAT) and VAT value.
5. The proposal must be submitted marked with the Tenderer's seal, date of drafting, Tenderer's address or its registered office, telephone number, email address, VAT identification number.
6. The tenderers shall be bound by their proposals for the period of 30 days from the last day, on which proposals could be submitted.
7. Statement confirming possession of necessary technical capacity that is required to provide the object of purchase must be submitted with the proposal (Annex no. 2).



Statement must be signed by Tenderer's authorized representative and provided with Tenderer's seal.

8. Statement confirming Tenderer's economic and financial situation allowing them to provide the object of purchase must be submitted with the proposal (Annex no. 3). Statement must include information concerning Tenderer in the matter of:
  - not being at risk of bankruptcy, no liquidation proceeding have started, and that the bankruptcy has not been declared,
  - not being in arrears with payments to Treasury.

Statement must be signed by Tenderer's authorized representative and provided with Tenderer's seal.

9. Statement of lack of capital and personal ties between Tenderer and Purchaser must be submitted with the proposal (Annex no. 4). Statement must be signed by Tenderer's authorized representative and provided with Tenderer's seal.
10. The tenderers shall bear all their costs connected with their participations in the award procedure initiated by this request for proposal.

#### **V. Provisions:**

1. The Purchaser will award the tender to the Tenderer, who will fulfil the requirements included in this request for proposal and will submit the most beneficial proposal on the basis of evaluation criteria determined by this request for proposal.
2. When justified, the Purchaser is entitled to cancel the procurement procedure.
3. The Purchaser is entitled to cancel the award procedure anytime to prior to the signature of the contract.
4. The Tenderers are entitled to change or withdraw their proposals before the deadline for submission of proposals. Change or withdrawal shall be made in the same manner as submission of the proposal (par. III, point 1).
5. Proposals which will not fulfil the requirements included in the request for proposal, will not be assessed.
6. During the assessment of proposals, the Purchaser reserves the right to request additional information about the submitted proposal.
7. Proposals submitted after the last day of the period for the submission shall not be assessed.
8. Partial proposals will not be assessed.



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9. The Purchaser reserves the right to reject proposals, which technical scope or exceptionally low tender price will be raising justified doubts.

**Annexes:**

Annex no. 1 – Inquiry Form

Annex no. 2 – Statement Template 1

Annex no. 3 – Statement Template 2

Annex no. 4 – Statement Template 3

Approved by  
Maciej Misiura