

Szczecin, 6th of June 2019

ESTIMATED ORDER VALUE**NO. SZ023-2019-1.1.1_POIR**

The enquiry for quotation concerning the contract as part of the selection of a **flight management navigation system with mission planning and navigation data postprocessing software (1 piece)**, as part of the project entitled: "Research and development works on the prototype technology of a multi-sensor aviation diagnostic station, enabling large-area inventory and parameterization of vegetation"(no. project: POIR.01.01.01-00-1071/17).

Project co-financed through the European Union with the European Regional Development Fund by the Intelligent Development Operational Program. The project implemented as part of the competition National Centre for Research and Development in Poland: „Szybka Ścieżka” (priority axis: Support for conducting R&D works by enterprises, Measure 1.1: R&D projects of enterprises, Sub-measure 1.1.1: Industrial research and development carried out by enterprises).

I. ORDERING PARTY:**GISPRO Spółka z ograniczoną odpowiedzialnością**

ul. Teofila Firlika 19, 71-637 Szczecin

Tax ID: 9552179786,

REGON: 320253489,

KRS: 0000263456

tel. +48 91 423 41 81

fax. +48 91 423 41 83

**II. DESCRIPTION OF THE SUBJECT OF THE ORDER:**

The subject of the order is a navigation, positioning and sensor management system for photogrammetric sensors i.e. the large format camera Vexcel UltraCam Eagle Mark 3 and airborne laser scanner a Riegl VQ-780i based on Fiber Optic Gyroscope (containing at least two inertial units - IMU) along with software for mission planning and data post-processing. A compact and light weight solution, optimized for work on aircraft, 1 piece - with parameters not worse than:

IMU Performance: 1



- position $< 0,025$ m,
- velocity $< 0,005$ m/s,
- roll / pitch $0,005$ deg,
- heading $0,01$ deg,
- gyro-bias $0,05$ deg / h,
- data sampling frequency at least 256 Hz.

GPS Reciever:

- GPS (L1,L2,L5), GLONASS (L1,L2,L5),
- L-band channel support.

Displays:

- equipped with two navigation displays with a resolution of at least 800x600 pixels and color depth not worse than True Color (24-bit) standard,
- high readability in all lightning conditions (high contrast, brightness adjustment, anti-reflective coatings surface),
- background map information support,
- diagonal 5 inches at least.

Communication:

- external data storage unit support,
- RS232 serial port,
- Ethernet LAN,
- PPS output,
- 2x Event Mark input,
- stabilized mounts support.

Physical basics:

- weight less than 15 kg,
- IMU dimensions allowing installation inside the Vexcel UltraCam Eagle camera,
- 28V DC power supply.

Software:

- Terrain Following planning support,
- .xls or ASCII import/export support,
- access to free global DTM,
- multi-sensor planning support,
- ground stations alignment support,
- GPS and IMU leverarms definition support,
- output data reference systems definition support.

III. DESCRIPTION OF THE EXECUTED PROJECT:

The main purpose of the project is to develop a prototype multi-sensory technology of the aviation diagnostic station, enabling large-scale inventory and parametrization of vegetation. The purpose of the works on individual stages of the project is the synchronization of spectral-spatial sensors, development of photogrammetric keys for the inventory and parametrization of vegetation, adaptation of the aviation diagnostic station to the developed design assumptions and performance of prototype validation based on inventory work in real conditions.

IV. PLACE AND TIME FOR SUBMITTING AND OPENING THE QUOTATIONS:

1. The quotation should be submitted:
 - a. by post or courier to the address of the Ordering Party provided in point I of the estimated order value or
 - b. submitted personally to the address of the Ordering Party provided in point I of the estimated order value or
 - c. in electronic form as a scan to the e-mail address badania@gispro.pl.
2. **The deadline for quotations submission is 13.06.2019** (the date of receipt by the Ordering Party is considered). Quotations submitted after the deadline will not be considered.
3. The price form for estimating the value of the order is attached as Annex 1.
4. The Bidder should attach the full technical specification of the order.
5. The Ordering Party does not accept partial offers and variant offers.
6. The planned period of the contract: June 2019 – September 2019.

V. CONTACT PERSON FOR ESTIMATED ORDER VALUE:

Marta Sieczkiewicz

Director of the Aviation Photogrammetry Department

telephone: +48 91 423 41 81

e-mail: badania@gispro.pl

Website of the Ordering Party: www.gispro.pl

VI. ANNEXES:

Annex no. 1: Price form for estimating the value of the order

PREZES ZARZĄDU

6.06.2019


Łukasz Jedynak

Date and signature of the Ordering Party



ANNEX NO. 1 DO TO REQUEST FOR A VALUATION FOR ESTIMATING THE VALUE OF THE ORDER

NO. SZ023-2019-1.1.1_POIR

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Place, date

Name and address of the bidder and registration data, including Tax ID number:

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.....

PRICE FORM – FOR ESTIMATION OF ORDER VALUE

A request for a valuation regarding the estimation of the value of the contract as part of the selection of a **navigation system with mission planning software and navigation data postprocessing software (1 piece) supplier**, as part of the project entitled: "Research and development works on the prototype technology of a multi-sensor aviation diagnostic station, enabling large-area inventory and parameterization of vegetation"(no. project: POIR.01.01.01-00-1071/17).

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In response to a request for a valuation to estimate the value of the order, below I submit the valuation of the subject of the order, as specified in the request for valuation.

Name	Net price	VAT	Gross price
a navigation system with mission planning software and navigation data postprocessing software - 1 piece			

Estimated date of delivery (counting from the date of order submission): days

Proposed payment schedule:

1. [number of days from submitting the order] – [net amount]

2. [number of days from submitting the order] – [net amount]



European
Funds
Smart Growth



Republic
of Poland



The National Centre
for Research and Development

European Union
European Regional
Development Fund



3. *[number of days from submitting the order] – [net amount]*

4. *[number of days from submitting the order] – [net amount]*

This estimation does not constitute an offer in accordance with art. 66 of the Civil Code, as well as it is not an announcement within the meaning of the Public Procurement Law.

..... date.....

A legible signature of the authorized representative of the Bidder
and company stamp (if the entity has a stamp)