 <b>DOK-ING</b>	TENDER DOCUMENTATION (TD)	FRM-PCH-06
		Rev.01
		18.11.2019

Zagreb, 25.01.2021.

Project number:	KK.01.2.1.01.0045
Procurement number from the procurement plan	30


## **TENDER DOCUMENTATION (TD)**

### **Invitation to Tender for the procurement of HD Lidar sensor**

No. 30 of procurement KK.01.2.1.01.0045

#### **1. INFORMATION ON THE CLIENT**

Name of the customer: DOK-ING d.o.o.  
 Address: Slavonska avenija 22 G, 10 000 Zagreb, Croatia  
 PIN: 39982657045  
 Internet address: <http://www.dok-ing.hr/>  
 E-mail: [eunabava@dok-ing.hr](mailto:eunabava@dok-ing.hr)  
 Telephone: +385 1 2481-300  
 Fax: +385 1 2481-303

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## 2. INFORMATION ON THE CONTACT PERSON FOR COMMUNICATION WITH THE SUPPLIERS


Communication and any other exchange of information between the Client and the Bidder shall be conducted solely by e-mail. All questions and requests for clarification may be sent by e-mail to: [eunabava@dok-ing.hr](mailto:eunabava@dok-ing.hr). Communication, exchange and storage of information shall be carried out in such a way as to preserve the protection and confidentiality of data in accordance with the relevant national regulations.

The Client shall respond to a request for additional information and clarifications only if it is sent by e-mail to the above-mentioned address. For the purpose of equal treatment of all bidders, answers shall be made available at the same location, i.e. <https://strukturnifondovi.hr/>, where this Invitation to Tender was published without revealing the identity of the economic operator.

If during publication there is a need to modify this invitation or submit other notices related to the preparation and submission of bids, it shall be published in a transparent manner and at the same time in order that all economic operators may be aware of the modification.

Below is a list of economic operators in connection with which the Client has a conflict of interest and with which the Client, in the framework of this procurement procedure, may not conclude Procurement Contracts in the capacity of a bidder, a member of the bidding consortium or a subcontractor to the selected bidder:

- DOK-ING ENERGO d.o.o. za proizvodnju postrojenja i opreme i distribuciju električne energije, Slavonska avenija 22/G, Zagreb, PIN: 95862798984
- P.B. ŽITNJAK d.o.o. za projektiranje, građenje i nadzor, Slavonska avenija 24/6, Zagreb, PIN: 45541373330
- DOK-ING RUDARSTVO d.o.o. za proizvodnju postrojenja i opreme za rudarstvo, Slavonska avenija 22/G, Zagreb, PIN: 02513851520
- VJ-eko d.o.o. za proizvodnju i usluge, Ladihovićeve 18, Slunj, PIN: 44599829843
- TERMOTERRA d.o.o. za trgovinu i usluge, Donja Čemernica 151, Topusko, PIN: 06446316904
- INFINIA SUSTAVI d.o.o., Ulica Mirka Viriusa 14, Zagreb, PIN: 50003866900
- DOK-ING NEKRETNINE d.o.o. za poslovanje nekretninama, Slavonska avenija 22/G, Zagreb, PIN: 41345717895
- DOK-ING Africa (Pty) Ltd., 237 Joseph Street, CNR Nyewerheid, Gemiston 1401, Johannesburg, Republic of South Africa
- ADP-ESOP d.o.o. za savjetovanje u vezi s poslovanjem i upravljanjem, Jankomir 5, Zagreb, PIN: 61829722473

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### 3. COMMENCEMENT OF THE PUBLIC PROCUREMENT PROCEDURE

The date of commencement of the public tender procedure is the date of publication of the Contract Notice on the website [www.strukturnifondovi.hr](http://www.strukturnifondovi.hr)

### 4. TYPE OF PROCUREMENT PROCEDURE

The Procurement Procedure with Mandatory Publication is applied (Rules on the Implementation of Procurement Procedures for Entities not Bound by the Public Procurement Act, version 4.0)

### 5. DESCRIPTION OF PROCUREMENT SUBJECT

The subject of procurement is a high resolution lidar sensor for laser scanning of space with the purpose of three-dimensional displaying of space and describing objects in the environment with the aim of achieving autonomous vehicle control in extreme conditions. The sensor must be equipped an Ethernet and GPS interface and have all the required antennas and cables required for operation.

The procurement subject is not divided into lots.


Issuance of the purchase order to the selected Bidder is foreseen for this procurement.

The equipment offered shall be in line with the technical characteristics set forth in item 6 of this documentation. Failure to meet the requested requirements excludes a Bidder from the selection process. In case of suspicion of deviations from the required technical characteristics, the Client reserves the right to request the Bidder to submit additional technical sheets, excerpts from the catalogue and other documents on the basis of which it is possible to determine the validity of the offered component.

All interested bidders are obliged to take into account the relevant annexes to this documentation when preparing their bids.

The annexes to this documentation are the following:

- ANNEX I - Tender Sheet
- ANNEX II – Bill of Quantities

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**Procurement subject:**

<b>1. High resolution Lidar sensor</b>	<b>1 pc</b>
Technical specification (datasheet)	Attach with offer
User manual in Croatian and / or English language	Give upon delivery
The equipment offered must comply with the technical specifications in item 6.1.	
<b>2. Other related equipment - for equipment installation, wiring for connection and other equipment required for system integration</b>	<b>1 set</b>

## 6. TECHNICAL SPECIFICATIONS

### 6.1. Technical specification for 3D High resolution Lidar sensor

Power	9V - 18V DC
Measurement Range	100m
Range Accuracy	+/- 2cm
Field of View (Horizontal)	360 deg.
Max. Dimension	150 mm X 87 mm X 87 mm
Min. Speed of data transfer	>= 100 Mbps
Communication	1x LAN Ethernet 1x GPS
Operating Temp. Range	-10 + 60 °C
IP Rating	≥ IP67
Additional options	Ethernet cable Power adapter Flash drive IFB

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## 7. PREPARATION AND SUBMISSION OF BIDS

The bid shall be submitted electronically, by e-mail to the address specified in item 1 of this Invitation to Tender.

By submitting their bid, the Bidder accepts in full and without any reservations all of the conditions laid out in this Invitation to Tender.

The bid is prepared in such a way that it forms a whole, and the content of the bid is as follows:


- Filled-in tender sheet, Annex I
- Filled-in bill of quantities, Annex II in Excel and / or PDF document
- Bid in the Bidder's free format\*\*
- Technical data sheet where applicable

\*\* The bid shall be in Croatian or English, written in Latin script, and all other supporting documentation proving compliance with technical requirements may be in Croatian or English.

Prices are expressed without value added tax (VAT). The bid price is expressed in kuna (HRK) or euro (EUR) and is written in numbers. In the event that a bidder submits prices expressed in euro (EUR), they shall be converted into kuna (HRK) according to the middle exchange rate of the CNB valid on the day of publication of this Invitation to Tender. The bid price may not be changed during term of the procurement contract.

All Bidders with headquarters in a country other than the Republic of Croatia shall be paid in euro (EUR), and Bidders with headquarters in the Republic of Croatia shall be paid in Croatian currency (HRK).

In case of an unusually low bid price or unusually low unit prices, which casts doubt on the possibility of realization and performance of the Contract, the Client reserves the right to reject such a bid. Prior to the rejection, the Client shall request in writing from the Bidder an explanation with included information on the constituent elements of the bid that are considered material for the performance of the Contract. The Client shall verify the data on the constituent elements of the bid as provided in the bidder's explanation, taking into account the evidence provided.

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## 8. EVALUATION CRITERION

The criterion for evaluating the bids of selected Bidders is the criterion of the lowest price.

## 9. PLACE OF DELIVERY

DOK-ING d.o.o., Slavonska avenija 22 G, 10000 Zagreb

## 10. DEADLINE FOR SUBMISSION OF BIDS

The deadline for submission of bids is 10 calendar days from the date of publication of this Notice at [www.strukturnifondovi.hr](http://www.strukturnifondovi.hr)

## 11. DELIVERY PERIOD OF THE PROCUREMENT SUBJECT

The delivery period shall commence immediately after the purchase order is issued. The requested delivery period is up to a maximum of 4 weeks from the date on which the purchase order was issued, and the delivery period for the procurement subject shall be determined in the purchase order in accordance with the selected bid. The goods may not be delivered successively.

## 12. MODIFICATION OR WITHDRAWAL OF SUBMITTED BIDS

The Bidder may change or withdraw their bid before the deadline for submission

If a modification or amendment to the bid is submitted, it must be submitted in the same way as the original proposal, indicating that this is a change / addendum to the proposal.

## 13. VALIDITY OF BIDS

The validity of bids must be at least 30 days after the deadline for submission.

## 14. SELECTION OF THE MOST ADVANTAGEOUS BID

The deadline for the evaluation of bids and the decision on a successful bidder is 10 working days after the deadline for submitting the proposal. The bidders shall be informed on the decision within that deadline.

**Public procurement: Stjepan Đopar**