



26PROC019213484 2026-06-11

CENTRE FOR RESEARCH & TECHNOLOGY HELLAS
(C.E.R.T.H.)

6th km Charilaou-Thermi Rd • P.O. Box 60361 • GR 57001 Thermi, Thessaloniki

Tel.: +30 2310 498100 • Fax: +30 2310 498180 • E-mail: certh@certh.gr • www.certh.gr



130513

REQUEST FOR QUOTATION

Date:	11/06/2026
Procurement Procedure:	Direct Award - Art. 118 L.4412/2016
Type of Procurement / Service:	Subcontracting
Title of Procurement / Service:	Configuration of V2X SPATEM and MAPEM messages in vehicle's ADS
Total Budgeted Expenditure in Euro (€), excluding VAT:	24.200,00€
VAT:	5.808,00€
Total Budgeted Expenditure in Euro (€), including VAT:	30.008,00€

Project Info:

Project Code/Project Title in which the Procurement is included/Services:	KOH.031125
Funding/Funding Authority:	HORIZON EUROPE - RESEARCH AND INNOVATION ACTIONS (RIA)
Η Επιστημονικά Υπεύθυνη	Γκέμου Μαρία Institute: HIT/CE.R.T.H. Contact Info: +30 2310-498.490 / 211-1069553 e-mail: mgemou@certh.gr
Responsible:	POLYZWH BASILIKH Institute: HIT/CE.R.T.H. Contact Info: +30211 1069501 e-mail: vpolyzoi@certh.gr

This request is addressed to the following Entities:

- 1) VIRTUAL VEHICLE RESEARCH GMBH
- 2) VIRTUAL VEHICLE RESEARCH GMBH

The bidder is hereby invited to submit a written quotation to CERTH by 17/06/2026 (Deadline of Sending of the quotation) for the project (with the above information), relating to a procurement award / service and conclusion of a contract (if required), of total budgeted expenditure up to 24.200,00€ excluding VAT, according to the table below and the attached technical description (Technical Specifications).

The bidder may submit quotation either for one or more items and in case for the total quantity of each item / service

Award of the contract: The most economically advantageous tender on the basis of the price.

Terms of payment

Payment shall be subject to receiving an appropriate Invoice issued by the Contractor and submitting any additional documents that may be requested by the Contracting Authority.

a) For the operational needs of the Single Public Procurement Authority, a withholding of 0.1% is applied, which is

26PROC019213484 2026-06-11

calculated based on the value, excluding VAT, of the initial contract, as well as any amendments thereto according to the provisions of L. 4912/2022.

The Contractor shall comply with the requests of the Contracting Authority regarding accounting matters.

It is noted that the Declarations on honour may bear either a digital attestation of the authenticity of their signature via gov or an advanced electronic signature of the candidate economic operator in the case of electronic submission of a tender or an original handwritten signature in the case of paper submission of a tender.

Regarding the obligation to issue an electronic invoice, the provisions set forth in the document No. 6167/18.06.2024 (ADA: ΨΔΞ1ΟΞΤΒ-ΙΔΣ) of the Department of Studies of Hellenic Single Public Procurement Authority (H.S.P.P.A.) on the subject "Provisions relating for economic operators to submit an electronic invoice" and the relevant legislative framework referred to therein are taken into account by the Contractor.

Sincerely,
Scientific Responsible

A handwritten signature in blue ink, appearing to read 'Gkemoy Maria', written in a cursive style.

GKEMOY MARIA

DECLARATION ON HONOUR ON EXCLUSION CRITERIA

The undersigned, representing:

(<i>only for legal persons</i>) the following legal person:
Full official name:
Official legal form:
Statutory registration number:
Full official address:
VAT registration number (<i>if applicable</i>):

I – SITUATION OF EXCLUSION CONCERNING THE PERSON

➤ declares whether the above-mentioned person is in one of the following situations or not:	YES	NO
a) it is bankrupt, subject to insolvency or winding up procedures, its assets are being administered by a liquidator or by a court, it is in an arrangement with creditors, its business activities are suspended or it is in any analogous situation arising from a similar procedure provided for under national legislation or regulations;	<input type="checkbox"/>	<input type="checkbox"/>
b) it has been established by a final judgement or a final administrative decision that the person is in breach of its obligations relating to the payment of taxes or social security contributions in accordance with the law of the country in which it is established, with those of the country in which the contracting authority is located or those of the country of the performance of the contract;	<input type="checkbox"/>	<input type="checkbox"/>
c) it has been established by a final judgement that the signatory is guilty of the following:		
i. fraud, within the meaning of Article 1 of the Convention on the protection of the European Communities' financial interests, drawn up by the Council Act of 26 July 1995;	<input type="checkbox"/>	<input type="checkbox"/>
ii. corruption, as defined in Article 3 of the Convention on the fight against corruption involving officials of the European Communities or officials of EU Member States, drawn up by the Council Act of 26 May 1997, and in Article 2(1) of Council Framework Decision 2003/568/JHA, as well as corruption as defined in the legal provisions of the country where the contracting authority is located, the country in which the person is established or the country of the performance of the contract;	<input type="checkbox"/>	<input type="checkbox"/>
iii. participation in a criminal organisation, as defined in Article 2 of Council Framework Decision 2008/841/JHA;	<input type="checkbox"/>	<input type="checkbox"/>
iv. money laundering or terrorist financing, as defined in Article 1 of Directive 2005/60/EC of the European Parliament and of the Council;	<input type="checkbox"/>	<input type="checkbox"/>
v. terrorist-related offences or offences linked to terrorist activities, as defined in Articles 1 and 3 of Council Framework Decision	<input type="checkbox"/>	<input type="checkbox"/>

2002/475/JHA, respectively, or inciting, aiding, abetting or attempting to commit such offences, as referred to in Article 4 of that Decision;		
vi. child labour or other forms of trafficking in human beings as defined in Article 2 of Directive 2011/36/EU of the European Parliament and of the Council; d) it is under conflict of interest within the meaning of Article 24 which cannot be effectively remedied by other less intrusive measures;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

II – EVIDENCE UPON REQUEST

Upon request by the contracting authority the person must provide information on the persons that are members of the administrative, management or supervisory body. It must also provide the following evidence concerning the person itself and concerning the natural or legal persons which represent the legal person:

For the situation described in point (a) or (b), production of recent certificates issued by the competent authorities of the State concerned are required. These documents must provide evidence covering all taxes and social security contributions for which the legal person is liable, including for example, VAT, income tax (natural persons only), company tax (legal persons only) and social security contributions. Where any document described above is not issued in the country concerned, it may be replaced by a sworn statement made before a judicial authority or notary or, failing that, a solemn statement made before an administrative authority or a qualified professional body in its country of establishment.

The above-mentioned person may be subject to rejection from this procedure if any of the declarations or information provided herein prove to be false.

Full name

Date

Signature

.../.../.....

TECHNICAL SPECIFICATION FOR THE PROVISION OF SERVICES

The Hellenic Institute of Transport (HIT) of the Centre for Research and Technology Hellas (CERTH) as Contracting Authority for the needs of the European research project «**Resilient and Continuous Assurance methodology for CCAM and its HMI components –CERTAIN**» – «**CERTAIN**» (KOH.031125- G.A.101203230), intends to procure the specialized services described below under Article 32 par.2 {b-bb} (Use of the negotiated procedure without prior publication) of L. 4412/2016 as currently in force according to the requirements and technical specifications described below, which must be fully met.

Moreover, the specialized services can be supplied only by a particular economic operator “VIRTUAL VEHICLE RESEARCH GMBH (ViF)” because the competition is absent for technical reasons and no reasonable alternative or substitute exists.

The absence of competition is not the result of an artificial narrowing down of the parameters of the procurement. The research automated vehicle of CERTH/HIT was developed/retrofitted in collaboration with ViF within the framework of the European research project “SHOW”. Consequently, ViF has full knowledge of the vehicle, its architecture, and its capabilities, making it the most safe and suitable entity for the configuration of the vehicle’s ADS.

ITEM 1:

Description:	Configuration of V2X SPATEM and MAPEM messages in vehicle’s ADS
CPV Code:	72253200-5
Quantity :	1
Budget:	Twenty-four thousand two hundred euros (24.200,00 €) excluding VAT
Use Case V2X.2.2 main objective is the validation of V2X extensions of Safety Assurance Framework blocks for cooperative awareness and VRU protection scenarios. The scenarios will be tested in a proving ground environment within CERTH premises, realizing signalized intersection and occlusion variations, with real actors involving an e-scooter, a traffic light with an RSU and the automated vehicle. Vehicle's ADS is necessary to be re-configured accordingly, to be able to process SPATEM/MAPEM messages from the traffic lights in order to identify in real time the right of way and the green phase timing in the signalized intersection.	

GENERAL TERMS

A. General Description / Object

Provision of services for enabling V2X SPATEM and MAPEM messages in ADS.

B. Detailed Technical Description

No.	Description – Technical Specifications	Quantity (parts)
1	<p>The Contractor shall extend vehicle’s ADS with configuration options and parameters capable of facilitating the following:</p> <ul style="list-style-type: none"> The ADS shall be configured to process SPATEM/MAPEM messages from V2X traffic lights. The Contractor shall be able to configure the network connection between the already existent V2X On-Board Unit with the vehicle’s ADS. 	TION



	<ul style="list-style-type: none"> • The ADS shall be able to decode and translate received standardized SPATEM and MAPEM messages coming from CERTH's V2X OBU. • The translated information shall feed ADS's internal related modules with the objective of spatial map matching between incoming MAPEMs and Lanelet2 HD vector maps used by ADS in case of MAPEMs and dynamic injections of countdown timing and signal phases in case of SPATEMs. <p>The final objectives are:</p> <ul style="list-style-type: none"> • identification of traffic light phase and timing via V2X communications. • identification of any temporary lane closures advertised in MAPEM messages together with the correct matching with the corresponding internal lanelet IDs. • calculation of the optimum velocity upon approaching a V2X connected traffic light. <p>The header of the input messages follows the data dictionary described in the ETSI technical specifications.</p>	
--	---	--

C. Contractor's Obligations

Throughout the execution of the present contract, the Contractor is required to cooperate closely with **CERTH/HIT**, take into account, and comply with its instructions, suggestions, and comments to ensure the proper implementation of the services.

The subject of the contract shall be deemed completed upon the full implementation of the service, the fulfilment of all Contractor obligations, and the **final quantitative and qualitative acceptance** of the Final Deliverable by the Project Scientific Coordinator, under whose supervision the present services are implemented.

D. Final Deliverable and Completion of Assignment

The successful completion of the contract shall be certified by the submission and acceptance of a **Final Deliverable**, which shall include:

Item B1. The vehicle's ADS configured appropriately to manage a V2X-enabled signalized intersection.

The contractor shall modify or add any configuration files deemed necessary across any module or layer of the existing vehicle's ADS to achieve the objective, without affecting or degrading the existing functionality.

The delivery and acceptance of the above **Final Deliverable** by the Project Scientific Coordinator will constitute the formal and successful completion of the Contractor's obligations under this assignment.

E. General Requirements

- The quotation that complies with all of the specifications, requirements and offers the lowest price shall be selected. Any offer that does not meet the requirements shall be rejected.

- Data to be collected and analysed by CERTH remains to CERTH's ownership. Intellectual property rights for all developments and deliverables under this request for quotation and respective assignment belongs to CERTH.



- The delivery date is set within **120 days from the date of contract signature and initiation of assignment**.
- Advance payment may reach up to 40% of the total price of the offer, excluding VAT and the 60% of the total price will be paid to the Contractor after the final acceptance of the procurement of final quantitative and qualitative acceptance of the Acceptance Committee/Scientific Coordinator.
- Delivery shall be conducted electronically by providing access to the vehicle's ADS, though a VPN connection. The Contractor will be able to configure the vehicle's ADS remotely. The access will remain valid only for the period of the 120 days from the date of contract signature and initiation of assignment. The vehicle has its own internet connection and is not connected physically or logically to any CERTH's network.
- Any charges to delivery, costs/other fees must be included in the financial offer of the candidate(s) and shall be borne by the Contractor.
- Payment shall be subject to receiving a proper invoice issued by the Contractor and submitting any additional documents that may be requested by the Contracting Authority.
- Regarding the obligation to issue **an electronic invoice**, the provisions set forth in the document No. 6167/18.06.2024 (ADA: ΨΔΞ1ΟΞΤΒ-ΙΔΣ) of the Department of Studies of Hellenic Single Public Procurement Authority (H.S.P.P.A.) on the subject "Provisions relating for economic operators to submit an electronic invoice" and the relevant legislative framework referred to therein are taken into account by the Contractor. Consequently, economic operators are required to take the necessary measures accordingly.
- For the operational needs of the Single Public Procurement Authority, a withholding of 0.1 % calculated on the value of each pre-tax and pre-deduction payment of the original, as well as of any supplementary contract in favour of the Single Public Procurement Authority is imposed (according to the provisions of article 350 par. 3 of L. No. 4412/2016 as amended and in force). The Contractor shall comply with the requests of the Contracting Authority regarding accounting matters.
- The offers shall **remain valid during the period** of the present assignment/contract.

The quotation should include the following:

- Detailed description of the proposed services, according to the above description and technical specifications, for the evaluation of the quotation.
- Offer price excluding VAT, the corresponding VAT and offer price including VAT.
- Time plan of the payment of the procured services.
- Description of the time and method of service delivery.
- Validity period of the offer.
- Provided guarantee & technical support and respective conditions.

ANNEX

INFORMATION REGARDING PERSONAL DATA PROCESSING

DATA CONTROLLER

Name: «Centre for Research and Technology Hellas - CERTH»

Contact details: 6th km Charilaou-Thermi Rd, P.O. Box 60361, GR 57001 Thermi, Thessaloniki (Greece), e-mail: certh@certh.gr, tel. +30 2310 498100.

VAT Number: 099785242

CERTH, as the contractor and the data controller, informs the natural person who signs the written quotation as a bidder or as a legal representative of the bidder, that by itself or third parties, by order and on its behalf, will process the below personal data, as follows:

I. The data processing includes personal data contained in the written quotation and the supporting documents submitted by the natural person, who is the bidder or the legal representative of the bidder, to the contractor in the context of this request for quotation. Indicatively, the processed data could be the identity and contact information of the bidder and any other personal information which is referred to his written quotation and his declaration regarding his non-exclusion according to article 73 of Law 4412/2016, and any other supporting document that may be requested by the contractor in the light of compliance with the applicable public procurement laws.

II. The data processing is necessary for the evaluation of the bidder's quotation, the performance of the procurement procedure, the exercise or defense of legal claims, rights, and interests of CERTH, the fulfillment of its legal obligations, and the general security of transactions. It is noted that the identity and contact information will be used for communication with the bidder regarding the evaluation of his quotation.

III. Recipients of the above data could be:

(a) Bodies that are assigned by CERTH to perform specific actions on its behalf, i.e. its consultants and executives, members of the Evaluation Committees, other agents, etc., provided that, in any case, privacy and confidentiality principles are met.

(b) Authorities and bodies of the public sector, courts, or other judicial authorities, within the scope of their capacity and responsibilities.

(c) The other participants-bidders, in the light of the principle of transparency and for their pre-litigation and judicial protection, in accordance with the law.

IV. The data will be kept for an equivalent period to the duration of the performance of the contract and after its expiration for a period of five years, for purposes of tax, financial or other audits according to the current legislation, unless the legislation requires a different retention period. In case there are legal proceedings pending regarding the contract, the data are kept until the end of the pending litigation. Upon expiration of the above periods, personal data will be destroyed.

V. The natural person who is either a bidder or a legal representative of the bidder, may exercise any of his/her rights regarding the processing of personal data concerning him/her (the right to access; the right to object; the right to erasure; the right to restrict processing; the right to rectify; the right to data portability), by making a request to the Data Protection Officer of CERTH. The data subject also has the right to file a complaint to the Data Protection Authority (DPA) through its web portal.

VI. The contractor shall implement any appropriate measure to ensure the security of processing and the protection of personal data against accidental or unlawful destruction, loss, alteration, unauthorised disclosure, or access.

VII. If you wish to be informed/learn more about the processing of your personal data by the contractor or if you want to exercise your legal rights, please contact the Data Protection Officer of CERTH at dpo@certh.gr.