

Bekanntmachung

Zur Angebotsabgabe / Teilnahme auffordernde Stelle

Bezeichnung	eco - Verband der Internetwirtschaft e.V.
Postanschrift	Lichtstraße 43h
Ort	50825 Köln
Telefon	+ 49 221 70 00 48 - 142
E-Mail	info@facis.de

Zuschlag erteilende Stelle

die zur Angebotsabgabe / Teilnahme auffordernde Stelle

Angebote oder Teilnahmeanträge sind einzureichen

Elektronisch über diese Vergabeplattform: <https://www.dtv.de/Satellite/notice/CXP4YMEM1ED>
Postalische Angebote oder Teilnahmeanträge sind nicht zugelassen

Bereitstellung der Vergabeunterlagen

Elektronisch über diese Vergabeplattform: <https://www.dtv.de/Satellite/notice/CXP4YMEM1ED/documents>

Art und Umfang der Leistung

The FACIS (Federated Architecture for Composited Infrastructure Services) project is funded under the IPCEI-CIS/8ra initiative. It aims to develop a sovereign, interoperable and secure digital infrastructure that will support the seamless collaboration of cloud and edge services across Europe. To achieve this, FACIS is focusing on enabling trust-based federations by providing modular, standards-compliant components to facilitate service provision, management and governance in a decentralised ecosystem.

Aligned with the 8ra initiative's objectives of fostering a resilient, interoperable, and trusted European digital infrastructure, the FACIS project contributes foundational technologies that support cross-border and cross-domain collaboration. A fundamental prerequisite for such cooperation is establishing and managing trust relationships between participating organisations and their digital services.

To this end, FACIS is developing a Convoy Demonstrator for the authorized formation and movement of vehicle convoys via a cloud-based Smart Traffic Service (STS). It illustrates how vehicles from different manufacturers can interact securely within a federated environment, be identified as a virtual convoy, and receive authorization to proceed in a coordinated manner.

The demonstrator showcases the interplay between federated identity and access management, cloud-based traffic coordination, and on-board vehicle control. Authorization is granted through short-lived, cryptographically signed tokens; their continuous renewal allows for ongoing verification of access rights. While the Smart Traffic Service handles the identification and coordination of vehicle convoys, responsibility for driving dynamics and safety remains with the vehicle's own control module. The demonstrator serves to validate interoperability, secure communication, defined behavior during disruptions, and the scalability of the service.

The purpose of this award is to commission software development services for Lot Convoy Demonstrator by using the Eclipse Project XFSC (Cross Federation Services Components) as the foundation (<https://projects.eclipse.org/projects/technology.xfsc>).

For further participation and the processing of the documents, it should be noted that the development team must be complete as soon as the order is placed so as to be able to provide the development services on time and with the required quality.

Further details can be found in the service description.

Ausführungsfristen

Bestimmungen über die Ausführungsfrist

- Beginn: 01.12.2026
- Ende: 15.02.2026

- The project timeline may shift depending on the duration of the tender process.
The final clarification will be communicated after the award of the tender.

Laufzeit bzw. Dauer

Beginn 01.12.2026

Ende 15.02.2027

Zuschlagskriterien

Siehe Vergabeunterlagen

Nebenangebote

Nebenangebote werden nicht zugelassen.

Angaben zu den Losen

Aufteilung des Auftrags in Lose: Nein

Befähigung und Erlaubnis zur Berufsausübung

1. The bidders must also complete the eligibility self-declarations pursuant to Sections 123 and 124 of Act against Restraints of Competition - GWB (cf. Section 31 (1) regulation on sub-threshold procurement - UVgO). The bidders must submit these with the participation application.
2. Extract from the relevant register not older than 6 months (since publication of the notice) for the company and - if envisaged - members of the bidding consortium as well as subcontractors to be used by way of suitability lending, in each case insofar as corresponding statutory register obligations exist.
3. The bidder must submit the following self-declarations according to the collection of forms:
 - Self-declaration that the company is not in liquidation.
 - Self-declaration that the company fulfils its obligations to pay taxes and duties.

Wirtschaftliche und finanzielle Leistungsfähigkeit

1. Self-declaration of the company's total turnover in relation to the last three completed financial years in accordance with the collection of forms.
2. Minimum turnover: Average annual minimum turnover in each of the last three calendar years (2023-2025) EUR 100,000 net.
3. Proof of existing business liability insurance/professional liability insurance (copy) with a minimum amount of:
 - EUR 1,000,000 for personal injury and property damage
 - EUR 500,000 for financial lossesThe above-mentioned amounts of cover must be available at least twice per insurance year.
In the case of bidding consortia, proof of insurance must be provided for each member.
In the case of a lower coverage of the liability insurance, confirmation from the insurance company stating that the coverage amount can be increased accordingly in the event of an order is sufficient.

Technische und berufliche Leistungsfähigkeit

1. Self-declaration of one or more references of essentially comparable services performed in the years 2023 - 2026 (by end of August) in accordance with the service description (the service must have been accepted in the essential parts within this period, or approx. 90% of the remuneration must have been paid). A reference service is deemed comparable with the services being awarded here if it is similar to them in terms of content, type of service, degree of difficulty, technically and organisationally to such an extent that it allows a valid conclusion to be drawn about the bidder's capability to perform the tendered service.

To demonstrate technical and professional capability, the bidder must collectively demonstrate the following four mandatory requirements:

1. Implementation within an OSS environment, with knowledge of CI/CD and DevOps practises
2. Experience with implementing security and trust mechanisms: Self-Sovereign_Identity (SSI) framework, TLS, OAuth2, OIDC, policy-based access control, etc.

3. Experience with digital wallet integration or implementation

4. Usage of Node- red based workflows for building automations, integrations and event-driven applications

The aforementioned four (4) mandatory requirements may be demonstrated by one or more reference project(s). Overall, however, the submitted references must demonstrate all mandatory suitability requirements. If bidders submit more than one reference, they do not have to come from different contracting authorities in order to be assessed.

Alternative proof for Mandatory Requirement 4

As an alternative to a project reference, the fourth mandatory suitability requirement ("Usage of Node-RED-based workflows") may be demonstrated by successfully completing the practical work sample provided by the contracting authority (see Annex Work Sample Node Red).

The practical work sample may only be used as an alternative means of demonstrating Mandatory Requirement 4 ("Usage of Node-RED-based workflows"). Mandatory Requirements 1 to 3 must be demonstrated exclusively by means of one or more reference projects. The work sample will be assessed on a pass/fail basis against predefined assessment criteria, that are listed in Annex Work Sample Node Red.

The work sample consists of a manageable implementation task intended to demonstrate practical experience with Node-RED related technologies without requiring an existing project reference. Based on our professional assessment, it can be completed within approximately four (4) hours and focuses on the use of the ORCE UI Builder and basic API integration.

Accordingly, bidders may demonstrate suitability either by:

- submitting one or more references that collectively cover all four mandatory suitability requirements; or

- submitting one or more references that collectively cover Mandatory Requirements 1-3 and successfully completing the work sample for Mandatory Requirement 4.

In the case of a bidding consortium, the required reference(s) must have been performed by at least one member of the consortium.

The client reserves the right to check the accuracy of the information provided and to demand suitable proof of this at short notice.

Bidders who do not meet the minimum requirements listed above will be excluded from the award process.

2. A self-declaration is required to demonstrate that the company has the necessary personnel and technical resources to execute the contract properly.

The client reserves the right to check the accuracy of the information provided and to demand suitable proof of this at short notice.

Wesentliche Zahlungsbedingungen

Auf die Vertragsunterlagen wird verwiesen.

Schlusstermin für den Eingang der Angebote
Bindefrist des Angebots

19.11.2026 um 12:00 Uhr
15.12.2026

Zusätzliche Angaben

Please note that the bid amount shall not exceed 130.000 Euro net. This upper limit for the bid amount refers to "Total sum (net)" in the Tender form 11, which includes the All-inclusive price (net) as well as the Daily rate (net) * 50.

Bekanntmachungs-ID: CXP4YMEM1ED