

280616-2026 - Gara

Germania – Macchine ed apparecchi aventi funzioni specifiche – ZAL (Hamburg): Test bench consisting of a climate and altitude chamber to operate hydrogen powered fuel cell systems at the Hanseatic Hydrogen Center for Aviation and Maritime (H2AM)

OJ S 80/2026 24/04/2026

Bando di gara o di concessione – regime ordinario

Forniture

1. Committente

1.1. Committente

Nome ufficiale: ZAL Zentrum für Angewandte Luftfahrtforschung GmbH

E-mail: ojauch@goerg.de

Forma giuridica del committente: Organizzazione che aggiudica un appalto sovvenzionato da un'amministrazione aggiudicatrice

Attività dell'amministrazione aggiudicatrice: Affari economici

2. Procedura

2.1. Procedura

Titolo: ZAL (Hamburg): Test bench consisting of a climate and altitude chamber to operate hydrogen powered fuel cell systems at the Hanseatic Hydrogen Center for Aviation and Maritime (H2AM)

Descrizione: ZAL is the leading technological research and development platform for civil aviation in Hamburg. Together with its partners, ZAL works on the integration and industrialization of innovative aviation technologies. The heart of the research center is the ZAL GmbH team of about 60 people. Its task is to create the ideal conditions for applied aviation research. This includes the operation of the ZAL TechCenter as well as the provision of research facilities or events. In addition, a dedicated Research & Technology team of 40 scientists and engineers work on research and innovation projects and support partners to develop technological solutions. Subject of this tender is the delivery and service of a test bench to operate a hydrogen powered fuel cell systems with an electric output power up to 200 kW in a simulated altitude between 0 m/0 ft and minimum 7600 m/25.000 ft at the Hanseatic Hydrogen Center for Aviation and Maritime (H2AM) for ZAL Center of Applied Aeronautical Research. The tender also covers related optional maintenance services, which are subject to a separate maintenance agreement.

Identificativo della procedura: 4d776c7a-432b-48f8-bf26-974c28c31a46

Identificativo interno: ZAL-26001

Tipo di procedura: Negoziata con previa indizione di gara / competitiva con negoziazione

La procedura è accelerata: no

2.1.1. Finalità

Natura dell'appalto: Forniture

Classificazione principale (cpv): 31640000 Macchine ed apparecchi aventi funzioni specifiche

Classificazione aggiuntiva (cpv): 31122100 Pile a combustibile, 24111600 Idrogeno

2.1.2. Luogo di esecuzione

Indirizzo postale: Hein-Saß-Weg 22

Località: Hamburg

Codice postale: 21129
Suddivisione del paese (NUTS): Hamburg (DE600)
Paese: Germania

2.1.4. Informazioni generali

Informazioni supplementari: #Bekanntmachungs-ID: CXP4YMGMLPT# Variants are subject of the negotiated procedure. The right to exclude variants is reserved.

Base giuridica:

Direttiva 2014/24/UE
vgv -

2.1.6. Motivi di esclusione

Fonti dei motivi di esclusione: Avviso

Violazione degli obblighi connessi a motivi di esclusione previsti esclusivamente dalla legislazione nazionale: [Compulsory or facultative grounds for exclusion pursuant to Sections 123 to 126 GWB] With regard to the grounds for exclusion, the provisions of the self-declaration on the non-existence of grounds for exclusion, which is part of the application documents, apply.

5. Lotto

5.1. Lotto: LOT-0001

Titolo: ZAL (Hamburg): Test bench consisting of a climate and altitude chamber to operate hydrogen powered fuel cell systems at the Hanseatic Hydrogen Center for Aviation and Maritime (H2AM)

Descrizione: The following requirements apply to the test bench needed to operate hydrogen-powered fuel cell systems at ZAL: -The size of the expected test objects will be minimum 4 m x 1 m x 1.5 m (L x W x H). The test bench shall therefore consist of a climate and altitude chamber, the necessary aggregates to operate the fuel cell system and a ready-to-use operators user interface. -The climate and altitude chamber shall be able to simulate temperature, pressure and humidity according to International Standard Atmosphere (ISA) with a rate of change equivalent to 2.800 ft/min. -Aggregates to operate the fuel cell system shall include but are not limited to a balance of plant power supply, an electric load, a hydrogen supply system, a cooling system and an air system for the supply of the fuel cell systems cathode path. -All operational parts shall be controlled via a ready-to-use semi-automated central control system which allows the customer to run scripted test procedures as well as to use single operating points. -All legal and regulatory requirements for an operation in Europe, Germany and the city of Hamburg must be applied. -ZAL already operates supply infrastructures for hydrogen, process air, power supply etc., which will be extended to supply the test bench. The extension of the supply infrastructure is not part of this tender. Further information can be found in the procurement documents that will be issued after the conclusion of the participation competition.

Identificativo interno: ZAL-26001

5.1.1. Finalità

Natura dell'appalto: Forniture

Classificazione principale (cpv): 31640000 Macchine ed apparecchi aventi funzioni specifiche

Classificazione aggiuntiva (cpv): 31122100 Pile a combustibile, 24111600 Idrogeno

Opzioni:

Descrizione delle opzioni: The contract issued after conclusion of the call for competition shall contain further details on the contract extension options. Awards pursuant to sec. 14 para. 4 no. 5 and no. 9 VgV (repetition of similar services) are expressly reserved.

5.1.2. Luogo di esecuzione

Indirizzo postale: Hein-Saß-Weg 22

Località: Hamburg

Codice postale: 21129

Suddivisione del paese (NUTS): Hamburg (DE600)

Paese: Germania

5.1.3. Durata stimata

Durata: altro: Sconosciuto

5.1.6. Informazioni generali

Partecipazione riservata:

La partecipazione non è riservata.

Vanno indicati nomi e qualifiche professionali del personale incaricato dell'esecuzione dell'appalto: Indicazione obbligatoria nell'offerta

Progetto di appalto non finanziato con fondi UE

L'appalto è soggetto all'accordo sugli appalti pubblici (AAP): sì

L'appalto si addice anche alle piccole e medie imprese (PMI): no

Informazioni supplementari: 1. The application documents (forms) can be downloaded from the link in this notice. The use of the application documents is binding. Should further information or clarifications on the part of ZAL become necessary during the award procedure, this additional information will also be published there. Applicants must therefore regularly check whether further information has been published. A registration for the award platform facilitates access and information to the applicant information. 2. Questions regarding the requirements of this notice and the application documents should be submitted promptly, but no later than the date published on the award platform. ZAL reserves the right not to answer questions received later. 3. The information contained in this notice is solely for the purpose of providing interested companies an impression and enabling them to decide whether to participate in the process. ZAL reserves the right to make deviations and specifications in the course of negotiations. 4. Applications shall be submitted electronically to the contracting authority via the award platform. Until the expiry of the application deadline, the applications are encrypted so that ZAL has no access to them. However, the applicant is free to edit and re-upload his/her application until the expiration of the deadline. 5. ZAL reserves the right to cancel the procedure for factual reasons. Claims for compensation by applicants and bidders are - as far as legally permissible - excluded. By downloading the application documents, the applicant agrees to this. 6. Further procurement documents, including the contract and the award criteria, shall not be issued until after completion of the call for competition. 7. After receipt of the applications and their evaluation, the selected applicants will be sent the award documents with an invitation to the negotiation meetings. The negotiation meetings will be held in Hamburg or by video conference. 8. By submitting the application, the applicant undertakes to treat all documents sent to it, if any, as confidential and to maintain the secrecy of the competition in all other respects; this also applies with regard to the respective offer. ZAL, for its part, will use the applicants' documents only for the purposes of the procedure. 9. Applicant consortia must submit a legally binding declaration signed by all members with their application, which is included in the application documents. If, in the course of the procedure, an existing applicant/bidding consortium changes its composition or an individual applicant /bidder wishes to continue the procedure in an applicant/bidding consortium, this shall only be

permitted with the express written consent of ZAL. In any case, consent shall not be granted if the change significantly impairs competition or if the change has an impact on expertise and economic performance. This shall apply accordingly to subcontractors. 10. ZAL reserves the right to reduce the number of selected bidders in the course of the negotiation procedure. Further details in this regard are contained in Invitation to Tender, which will be issued upon conclusion of the call for competition. 11. The applicants or bidders are requested to clearly mark on each relevant page those parts of their application or offer which legitimately contain trade or business secrets (Sec. 165 para. 2, 3 GWB). If this is not done, the Chamber for Procurement or the Appeals Body may assume the consent of the respective applicant or bidder to inspection by other parties to the proceedings in the event of a review of the award of contract.

5.1.7. Appalto strategico

Obiettivo dell'appalto strategico: Nessun appalto strategico

5.1.9. Criteri di selezione

Fonti dei criteri di selezione: Avviso

Criterio: Misure per garantire la qualità

Descrizione del criterio di selezione: Only the references (technical and professional ability) are decisive for the assessment of suitability. The information and evidence listed under TL are used to assess the references. A maximum total of 1,000 points can be achieved here. The proofs PL and WL are not evaluated qualitatively. The evaluation of technical and professional ability is carried out in a relative comparison of the applicants with each other on the basis of the following scale/grade levels. The maximum number of points achievable is multiplied by the weighting factor (percentage) achieved in each case: - 100% = very good: Applicant meets the requirements with regard to the suitability criterion to the very highest degree, - 80% = good: Applicant meets the requirements of the suitability criterion to the highest degree, - 60% = fully satisfactory: applicant meets the requirements of the suitability criterion to a high degree, - 40% = satisfactory: applicant satisfactorily fulfills the requirements with regard to the suitability criterion, - 20% = sufficient: the applicant meets the requirements of the suitability criterion to a just sufficient degree. In the range between 0% and 100%, intermediate grade levels can be formed (10%, 30%, 50%, 70%, 90%) to take into account a tendency towards the higher grade level in each case. An evaluation of a suitability criterion (technical and professional ability) with 20% or less would correspond to a complete non-fulfillment of the respective suitability criterion, which would result in the exclusion of the participation application (knock-out criterion). These are suitability criteria, not award criteria. If several bidders achieve the same total score and the number of bidders exceeds the planned number of bidders to be invited to negotiate, ZAL reserves the option to draw lots for the negotiation procedure among the remaining bidders with equal scores.

Criterio: Misure per garantire la qualità

Descrizione del criterio di selezione: The documents which the applicant must enclose with its application to participate are listed below. For this purpose, the applicant must use the forms (application documents) provided by ZAL. Submitted supporting documents must still be valid; insofar as requirements are made regarding up-to-dateness, the date refers to the date of publication of this notice. With their request to participate, applicants must submit the following documents: PL1. Self-declaration regarding exclusion criteria (Sec. 123, 124 GWB). A form is included in the application documents. PL2. Self-declaration on the company with information on the company name, legal form, registered office, object, management of the company, company structure (e.g. parent companies, group affiliation, branches - organization chart),

with presentation of the company and capital relationships of the applicant and, if applicable, the responsible branch office and query on SME status. A form is included in the application documents. PL3. Self-declaration on the 5th EU package of sanctions ("RUS sanctions"). A form is included in the application documents. In the case of applicant consortia, the evidence must be provided by each member of the applicant consortium. If an applicant is unable to provide any required evidence for a valid reason, it may demonstrate its ability to perform by submitting other appropriate evidence. ZAL reserves the right to request further self-declarations and certificates for applicants selected at the end of the call for competition and any subcontractors upon separate request with the submission of the offer.

Criterio: Fatturato annuo generale

Descrizione del criterio di selezione: WL. Self-declaration concerning the economic and financial capabilities of the applicant, in particular statement of total turnover of the applicant of the last 3 financial years. The form in the application documents shall be used. In the case of applicant consortia, the evidence can be provided for the applicant consortium in total. If an applicant is unable to provide any required evidence for a valid reason, it may demonstrate its ability to perform by submitting other appropriate evidence. ZAL reserves the right to request further self-declarations and certificates for applicants selected at the end of the call for competition and any subcontractors upon separate request with the submission of the offer. ZAL reserves the right to obtain financial information on the applicant.

Criterio: Riferenze su forniture specifiche

Descrizione del criterio di selezione: TL. Experience in the execution of comparable services, evidenced by reference projects (realized similar projects in connection with fuel cell test systems or altitude simulation). The reference projects must have been carried out or completed within the last 5 years. In the case of applicant consortia, corresponding information can be submitted for the applicant consortium as a whole. The references are to be submitted in accordance with the form from the application documents with the information specified therein, in particular including project start and actual operating period. If possible, please submit no more than 5 references and sort them according to their relevance and comparability with the subject of the tender. In individual cases, ZAL may request the submission of reference certificates from the reference clients.

I criteri saranno utilizzati per selezionare i candidati da invitare alla seconda fase della procedura

Ponderazione (punti, esatta): 1 000,00

Informazioni sulla seconda fase di una procedura in due fasi:

Numero minimo di candidati da invitare alla seconda fase della procedura: 3

Numero massimo di candidati da invitare alla seconda fase della procedura: 5

La procedura si svolge in diverse fasi. In ogni fase possono essere eliminati alcuni partecipanti

5.1.11. Documenti di gara

Lingue in cui i documenti di gara sono ufficialmente disponibili: inglese

Termine per la richiesta di informazioni supplementari: 22/05/2026 23:59:59 (UTC+02:00) ora dell'Europa orientale, ora legale dell'Europa centrale

Indirizzo dei documenti di gara: <https://www.dtyp.de/Satellite/notice/CXP4YMGMLPT/documents>

Canale di comunicazione ad hoc:

URL: <https://www.dtyp.de/Satellite/notice/CXP4YMGMLPT>

5.1.12. Condizioni di appalto

Modalità di presentazione:

Presentazione elettronica delle offerte: Obbligatoria

Indirizzo per la presentazione: <https://www.dtv.de/Satellite/notice/CXP4YMGMLPT>

Lingue in cui possono essere presentate le offerte o le domande di partecipazione: inglese

Catalogo elettronico: Non consentita

Varianti: Consentita

Gli offerenti possono presentare più di un'offerta: Non consentita

Termine per il ricevimento delle domande di partecipazione: 29/05/2026 12:00:00 (UTC+02:00) ora dell'Europa orientale, ora legale dell'Europa centrale

Informazioni che possono essere integrate dopo la scadenza del termine di presentazione:

A discrezione dell'acquirente, tutti i documenti mancanti relativi all'offerente possono essere presentati successivamente.

Informazioni supplementari: ZAL reserves the right to request candidates or bidders to submit, complete or correct missing, incomplete or incorrect company-related documents, in particular self-declarations, information, certificates or other evidence, or to submit or complete missing or incomplete performance-related documents, in compliance with the principles of transparency and equal treatment.

Condizioni contrattuali:

L'esecuzione dell'appalto deve avvenire nel contesto di programmi di lavoro protetti: No

Condizioni relative all'esecuzione dell'appalto: The conditions for the execution of the contract and the service contract are contained in the specifications, which will be issued after the conclusion of the competition.

Fatturazione elettronica: Obbligatoria

Si farà ricorso all'ordinazione elettronica: sì

Sarà utilizzato il pagamento elettronico: sì

Accordo finanziario: Details on financial agreements can be found in the contract that will be issued to the selected bidders following the conclusion of the competition.

5.1.15. Tecniche**Accordo quadro:**

Nessun accordo quadro

Informazioni sul sistema dinamico di acquisizione:

Nessun sistema dinamico di acquisizione

5.1.16. Ulteriori informazioni, mediazione e ricorsi

Organizzazione competente per i ricorsi: Vergabekammer Hamburg bei der Behörde für Finanzen und Bezirke

Informazioni sui termini per il riesame: Application of public procurement law and jurisdiction of the Public Procurement Tribunal: ZAL assumes that public procurement law only applies on the basis of the grant provisions. For this reason, the following explanations and the reference to the public procurement tribunal are provided purely as a precautionary measure. The time-limit for appeal is regulated under Sec. 160 para. 3 GWB. The application is inadmissible if: 1) The applicant became aware of the alleged violation of provisions governing the awarding of public contracts before submitting the appeal and did not object to the contracting entity within 10 calendar days; the deadline stipulated in Sec. 134 para. 2 remains unaffected; 2) Violations of provisions governing the awarding of public contracts which become apparent from the tender notice are not notified to the contracting entity by the end of the period specified in the notice for the submission of a tender or application; 3) violations of provisions governing the awarding of public contracts which only become apparent from the award documents are not

notified to the contracting entity by the end of the period specified in the notice for the submission of a tender or application; 4) More than 15 calendar days have elapsed from the receipt of notification from the contracting entity that it is unwilling to redress the complaint. The above sentence does not apply to an application for a declaration of invalidity of the contract pursuant to Sec. 135 para. 1 no. 2 GWB. Sec. 134 para. 1 sentence 2 GWB remains unaffected.

Organizzazione alla quale rivolgersi per informazioni complementari sulla procedura di appalto : ZAL Zentrum für Angewandte Luftfahrtforschung GmbH

Organizzazione che riceve le domande di partecipazione: ZAL Zentrum für Angewandte Luftfahrtforschung GmbH

8. Organizzazioni

8.1. ORG-0001

Nome ufficiale: ZAL Zentrum für Angewandte Luftfahrtforschung GmbH

Numero di registrazione: DE266939019

Indirizzo postale: Hein-Saß-Weg 22

Località: Hamburg

Codice postale: 21129

Suddivisione del paese (NUTS): Hamburg (DE600)

Paese: Germania

Referente: GÖRG Partnerschaft von Rechtsanwälten mbB

E-mail: ojauch@goerg.de

Telefono: +49 40500360480

Fax: +49 40500360444

Indirizzo internet: <https://zal.aero/>

Ruoli di questa organizzazione:

Committente

Organizzazione alla quale rivolgersi per informazioni complementari sulla procedura di appalto

Organizzazione che riceve le domande di partecipazione

8.1. ORG-0002

Nome ufficiale: GÖRG Partnerschaft von Rechtsanwälten mbB

Numero di registrazione: DE177089422

Indirizzo postale: Alter Wall 20-22

Località: Hamburg

Codice postale: 20457

Suddivisione del paese (NUTS): Hamburg (DE600)

Paese: Germania

Referente: Dr. Oliver Jauch / Dr. Simon Mancke

E-mail: ojauch@goerg.de

Telefono: +49 40500360480

Fax: +49 40500360444

Indirizzo internet: <http://www.goerg.de>

Ruoli di questa organizzazione:

Prestatore di servizi in materia di appalti

8.1. ORG-0003

Nome ufficiale: Vergabekammer Hamburg bei der Behörde für Finanzen und Bezirke

Numero di registrazione: 02000000-KFB0000001-20

Indirizzo postale: Adolphsplatz 3-5
Località: Hamburg
Codice postale: 20457
Suddivisione del paese (NUTS): Hamburg (DE600)
Paese: Germania
Ruoli di questa organizzazione:
Organizzazione competente per i ricorsi

8.1. **ORG-0004**

Nome ufficiale: Datenservice Öffentlicher Einkauf (in Verantwortung des Beschaffungsamts des BMI)
Numero di registrazione: 0204:994-DOEVD-83
Località: Bonn
Codice postale: 53119
Suddivisione del paese (NUTS): Bonn, Kreisfreie Stadt (DEA22)
Paese: Germania
E-mail: noreply.esender_hub@bescha.bund.de
Telefono: +49228996100
Ruoli di questa organizzazione:
TED eSender

Informazioni sull'avviso

Identificativo/versione dell'avviso: fe9f1939-0a4e-4eb5-84f5-d59bd00fb88c - 01
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Tipo di avviso: Bando di gara o di concessione – regime ordinario
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