

280616-2026 - Licitación

Alemania – Máquinas y aparatos con una función propia – 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

Anuncio de contrato o de concesión. Régimen normal

Suministros

1. Comprador

1.1. Comprador

Denominación oficial: ZAL Zentrum für Angewandte Luftfahrtforschung GmbH

Correo electrónico: ojauch@goerg.de

Naturaleza jurídica del comprador: Organización que concede un contrato subvencionado por un poder adjudicador

Actividad del poder adjudicador: Asuntos económicos

2. Procedimiento

2.1. Procedimiento

Título: 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)

Descripción: 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.

Identificador del procedimiento: 4d776c7a-432b-48f8-bf26-974c28c31a46

Identificador interno: ZAL-26001

Tipo de procedimiento: Negociado con publicación previa de un anuncio de licitación / licitación con negociación

El procedimiento está acelerado: no

2.1.1. Finalidad

Naturaleza del contrato: Suministros

Clasificación principal (cpv): 31640000 Máquinas y aparatos con una función propia

Clasificación adicional (cpv): 31122100 Pilas de combustible, 24111600 Hidrógeno

2.1.2. Lugar de ejecución

Dirección postal: Hein-Saß-Weg 22

Localidad: Hamburg
Código postal: 21129
Subdivisión del país (NUTS): Hamburg (DE600)
País: Alemania

2.1.4. Información general

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

Base jurídica:

Directiva 2014/24/UE
vgv -

2.1.6. Motivos de exclusión

Fuentes de los motivos de exclusión: Anuncio

Incumplimiento de obligaciones basadas en motivos de exclusión puramente nacionales: [Comulsory 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. Lote

5.1. Lote: LOT-0001

Título: 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)

Descripción: 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.

Identificador interno: ZAL-26001

5.1.1. Finalidad

Naturaleza del contrato: Suministros

Clasificación principal (cpv): 31640000 Máquinas y aparatos con una función propia

Clasificación adicional (cpv): 31122100 Pilas de combustible, 24111600 Hidrógeno

Opciones:

Descripción de las opciones: 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. Lugar de ejecución

Dirección postal: Hein-Saß-Weg 22

Localidad: Hamburg

Código postal: 21129

Subdivisión del país (NUTS): Hamburg (DE600)

País: Alemania

5.1.3. Duración estimada

Duración: otra información: Desconocido

5.1.6. Información general

Participación reservada:

La participación no está reservada.

Deben indicarse los nombres y las cualificaciones profesionales del personal encargado de ejecutar el contrato: Requisito en oferta

Proyecto de contratación pública no financiado con fondos de la UE

La contratación pública está cubierta por el Acuerdo sobre Contratación Pública (ACP): sí
Esta contratación también es adecuada para las pequeñas y medianas empresas (pymes): no
Información complementaria: 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. Contratación estratégica

Objetivo de la contratación estratégica: Ninguna contratación estratégica

5.1.9. Criterios de selección

Fuentes de los criterios de selección: Anuncio

Criterio: Medidas para garantizar la calidad

Descripción del criterio de selección: 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: Medidas para garantizar la calidad

Descripción del criterio de selección: 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: Volumen de negocios anual general

Descripción del criterio de selección: 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: Referencias sobre entregas específicas

Descripción del criterio de selección: 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.

Los criterios se utilizarán para seleccionar a los candidatos que serán invitados a la segunda fase del procedimiento

Ponderación (puntos, exacto): 1 000,00

Información sobre la segunda fase de un procedimiento de dos fases:

Número mínimo de candidatos que serán invitados a la segunda fase del procedimiento: 3

Número máximo de candidatos que serán invitados a la segunda fase del procedimiento: 5

El procedimiento se desarrollará en fases sucesivas. En cada fase, pueden eliminarse algunos participantes

5.1.11. Pliegos de contratación

Lenguas en las que los pliegos de contratación están disponibles oficialmente: inglés

Plazo para solicitar información complementaria: 22/05/2026 23:59:59 (UTC+02:00) Hora de Europa Oriental, hora de verano de Europa Central

Dirección de los pliegos de contratación: <https://www.dtyp.de/Satellite/notice/CXP4YMGMLPT/documents>

Canal de comunicación ad hoc:

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

5.1.12. Condiciones de la contratación pública

Condiciones de presentación:

Presentación electrónica: Obligatoria

Dirección para la presentación: <https://www.dtyp.de/Satellite/notice/CXP4YMGMLPT>

Lenguas en las que pueden presentarse las ofertas o solicitudes de participación: inglés

Catálogo electrónico: No autorizada

Variantes: Permitida

Los licitadores pueden presentar más de una oferta: No autorizada

Plazo de recepción de solicitudes de participación: 29/05/2026 12:00:00 (UTC+02:00) Hora de Europa Oriental, hora de verano de Europa Central

Información que puede completarse finalizado el plazo de presentación:

A discreción del comprador, podrán presentarse posteriormente todos los documentos relacionados con el licitador que falten.

Información complementaria: 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.

Condiciones del contrato:

La ejecución del contrato debe realizarse en el marco de programas de empleo protegido: No

Condiciones relativas a la ejecución del contrato: 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.

Facturación electrónica: Obligatoria

Se utilizarán pedidos electrónicos: sí

Se utilizará el pago electrónico: sí

Estructura financiera: 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. Técnicas

Acuerdo marco:

Ningún acuerdo marco

Información sobre el sistema dinámico de adquisición:

Ningún sistema dinámico de adquisición

5.1.16. Información adicional, mediación y recurso

Organización encargada de los procedimientos de recurso: Vergabekammer Hamburg bei der Behörde für Finanzen und Bezirke

Información sobre los plazos de revisión: 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.

Organización que proporciona información adicional sobre el procedimiento de contratación:

ZAL Zentrum für Angewandte Luftfahrtforschung GmbH

Organización que recibe solicitudes de participación: ZAL Zentrum für Angewandte Luftfahrtforschung GmbH

8. Organizaciones

8.1. ORG-0001

Denominación oficial: ZAL Zentrum für Angewandte Luftfahrtforschung GmbH

Número de registro: DE266939019

Dirección postal: Hein-Saß-Weg 22

Localidad: Hamburg

Código postal: 21129

Subdivisión del país (NUTS): Hamburg (DE600)

País: Alemania

Punto de contacto: GÖRG Partnerschaft von Rechtsanwälten mbB

Correo electrónico: ojauch@goerg.de

Teléfono: +49 40500360480

Fax: +49 40500360444

Dirección de internet: <https://zal.aero/>

Funciones de esta organización:

Comprador

Organización que proporciona información adicional sobre el procedimiento de contratación

Organización que recibe solicitudes de participación

8.1. ORG-0002

Denominación oficial: GÖRG Partnerschaft von Rechtsanwälten mbB

Número de registro: DE177089422

Dirección postal: Alter Wall 20-22

Localidad: Hamburg

Código postal: 20457

Subdivisión del país (NUTS): Hamburg (DE600)

País: Alemania

Punto de contacto: Dr. Oliver Jauch / Dr. Simon Manzke

Correo electrónico: ojauch@goerg.de

Teléfono: +49 40500360480

Fax: +49 40500360444

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

Funciones de esta organización:

Proveedor de servicios de contratación pública

8.1. ORG-0003

Denominación oficial: Vergabekammer Hamburg bei der Behörde für Finanzen und Bezirke

Número de registro: 02000000-KFB0000001-20

Dirección postal: Adolphsplatz 3-5
Localidad: Hamburg
Código postal: 20457
Subdivisión del país (NUTS): Hamburg (DE600)
País: Alemania

Funciones de esta organización:

Organización encargada de los procedimientos de recurso

8.1. ORG-0004

Denominación oficial: Datenservice Öffentlicher Einkauf (in Verantwortung des Beschaffungsamts des BMI)

Número de registro: 0204:994-DOEVD-83

Localidad: Bonn

Código postal: 53119

Subdivisión del país (NUTS): Bonn, Kreisfreie Stadt (DEA22)

País: Alemania

Correo electrónico: noreply.esender_hub@bescha.bund.de

Teléfono: +49228996100

Funciones de esta organización:

TED eSender

Información del anuncio

Identificador/versión del anuncio: fe9f1939-0a4e-4eb5-84f5-d59bd00fb88c - 01

Tipo de formulario: Licitación

Tipo de anuncio: Anuncio de contrato o de concesión. Régimen normal

Subtipo de anuncio: 16

Fecha de envío del anuncio: 23/04/2026 08:59:03 (UTC+02:00) Hora de Europa Oriental, hora de verano de Europa Central

Lenguas en las que este anuncio está disponible oficialmente: inglés

Número de publicación del anuncio: 280616-2026

Número de la edición del DO S: 80/2026

Fecha de publicación: 24/04/2026