

290046-2026 - Kompetizzjoni

L-lżvizzera – Tagħmir tal-laboratorju, ottiku u ta' preċiżjoni (minbarra nuċċalijiet) – Multitube thermal processing furnace (MTPF) for oxidation and LPCVD at the PSI PICO cleanroom

OJ S 82/2026 28/04/2026

Avviż tal-kuntratt jew tal-konċessjoni – reġim standard

Provvisti

1. Xerrej

1.1. Xerrej

Isem uffiċjali: Paul Scherrer Institut (PSI)

Email: publictenders@psi.ch

Tip legali tax-xerrej: Korp irregolat bil-liġi pubblika

Attività tal-awtorità kontraenti: Edukazzjoni

2. Proċedura

2.1. Proċedura

Titlu: Multitube thermal processing furnace (MTPF) for oxidation and LPCVD at the PSI PICO cleanroom

Deskrizzjoni: The equipment to be procured is a multitube thermal processing furnace (MTPF) essential for the deposition of materials for quantum, photonic and x-ray applications of the groups at the LNQ and LXN laboratories and for all PSI cleanroom users. The MTPF should have a horizontal arrangement of the tubes and should be capable to process in one load up to 50 wafers of 200 mm diameter with good within-wafer, wafer-to-wafer and batch-to-batch uniformity. The MTPF should have an automation option allowing to process, at least, 4 wafer batches of 50 wafers in the same or different tubes one after the other without the presence of operator. The MTPF shall be delivered with four 200 mm compatible tubes: – Tube 1: atmospheric thermal dry and wet oxidation (quartz tube up to 1050°C; optional SiC tube up to 1250°C); – Tube 2: LPCVD stoichiometric Si₃N₄ layers for photonic applications and low-stress SiN_x layers for membrane fabrication; – Tube 3: LPCVD TEOS-based SiO₂ layers; – Tube 4: LPCVD polycrystalline and amorphous Si. The MTPF shall be installed through the wall, with the loading station on the cleanroom side and the remaining equipment (furnaces, electronic racks, gas cabinets, pumps and related infrastructure) on the gray room side. It shall be capable of 24/7 operation with a guaranteed uptime of at least 90% and a minimum 2-year warranty.

Identifikatur tal-proċedura: d74d9614-7dfe-4e07-a231-9f9897b42fc7

Tip ta' proċedura: Miftuħa

Il-proċedura hija aċċellerata: le

2.1.1. Għan

Natura tal-kuntratt: Provvisti

Klassifikazzjoni prinċipali (cpv): 38000000 Tagħmir tal-laboratorju, ottiku u ta' preċiżjoni (minbarra nuċċalijiet)

2.1.4. Informazzjoni ġenerali

Informazzjoni addizzjonali: Other requirements The bidder must confirm acceptance of the terms of business and the essential requirements in writing. The contractor shall award this contract only to bidders who comply with the conditions stipulated in the tender documents

and the legislation, in particular occupational health and safety regulations, rules on working conditions, equal pay regulations, as well as environmental law, competition law and anti-corruption provisions.

Baži legali:

Direttiva 2014/24/UE

2.1.6. Raġunijiet għall-eskluzjoni

Sors tal-motivi għall-eżklussjoni: Dokument tal-Akkwist

5. Lott

5.1. Lott: LOT-0000

Titlu: Multitube thermal processing furnace (MTPF) for oxidation and LPCVD at the PSI PICO cleanroom

Deskrizzjoni: The equipment to be procured is a multitube thermal processing furnace (MTPF) essential for the deposition of materials for quantum, photonic and x-ray applications of the groups at the LNQ and LXN laboratories and for all PSI cleanroom users. The MTPF should have a horizontal arrangement of the tubes and should be capable to process in one load up to 50 wafers of 200 mm diameter with good within-wafer, wafer-to-wafer and batch-to-batch uniformity. The MTPF should have an automation option allowing to process, at least, 4 wafer batches of 50 wafers in the same or different tubes one after the other without the presence of operator. The MTPF shall be delivered with four 200 mm compatible tubes: – Tube 1: atmospheric thermal dry and wet oxidation (quartz tube up to 1050°C; optional SiC tube up to 1250°C); – Tube 2: LPCVD stoichiometric Si₃N₄ layers for photonic applications and low-stress SiN_x layers for membrane fabrication; – Tube 3: LPCVD TEOS-based SiO₂ layers; – Tube 4: LPCVD polycrystalline and amorphous Si. The MTPF shall be installed through the wall, with the loading station on the cleanroom side and the remaining equipment (furnaces, electronic racks, gas cabinets, pumps and related infrastructure) on the gray room side. It shall be capable of 24/7 operation with a guaranteed uptime of at least 90% and a minimum 2-year warranty.

5.1.1. Għan

Natura tal-kuntratt: Provvisti

Klassifikazzjoni prinċipali (cpv): 38000000 Tagħmir tal-laboratorju, ottiku u ta' preċiżjoni (minbarra nuċċalijiet)

Għażliet:

Deskrizzjoni tal-għażliet: According specification PSI-PICO-JK67-001 Rev.1.0 chapter 1.5.3

5.1.2. Post tal-prestazzjoni

Belt: Villigen PSI

Kodiċi postali: 5232

Sottodivizjoni tal-pajjiż (NUTS): Aargau (CH033)

Pajjiż: L-Iżvizzera

5.1.3. Tul ta' żmien stmat

Tul ta' żmien ieħor: Mhux magħruf

5.1.4. Tiġdid

Numru massimu ta' tiġdid: 1

5.1.6. Informazzjoni ġenerali

Parteċipazzjoni riżervata:

Il-parteċipazzjoni mhijiex riżervata.

Iridu jingħataw l-ismijiet u l-kwalifiki professjonali tal-istaff assenjat biex iwettaq il-kuntratt:

Għadha mhijiex magħrufa

Proġett ta' akkwist mhux iffinanzjat mill-Fondi tal-UE

L-akkwist huwa kopert mill-Ftehim dwar l-Akkwisti Pubbliċi (GPA): iva

5.1.9. Kriterji tal-għażla

Sors tal-kriterji ta' għażla: Dokument tal-Akkwist

5.1.10. Kriterji tal-għoti

Kriterju:

Tip: Kwalità

Deskrizzjoni: Award criteria

Deskrizzjoni tal-metodu li għandu jintuża jekk il-koeffiċjent tal-korrezzjoni ma jistax jiġi espress permezz ta' kriterji: The award criteria are defined in the documentation.

5.1.11. Dokumenti tal-akkwist

Aċċess għal ċerti dokumenti tal-akkwist hu ristrett.

Informazzjoni dwar id-dokumenti ristretti hija disponibbli fuq: <https://www.simap.ch/en/redirect?context=eyJwYWdlIjoicHJvamVjdCIsInJvbGUiOm51bGwslm9yZ0kljpudWxsLCJwcm9qZWNO0SWQ>

Mezz ta' komunikazzjoni ad hoc:

Isem: Simap.ch

5.1.12. Termini tal-akkwist

Termini tas-sottomissjoni:

Sottomissjoni elettronika: Permess

Indirizz għas-sottomissjoni: <https://www.simap.ch/en/redirect?context=eyJwYWdlIjoicHJvamVjdCIsInJvbGUiOm51bGwslm9yZ0kljpudWxsLCJwcm9qZWNO0SWQ>

Lingwi li bihom jistgħu jiġu sottomessi offerti jew talbiet għall-parteċipazzjoni: Ingliż

Katalogu elettroniku: Mhux permessa

Varjanti: Permess

L-offerenti jistgħu jifgħu aktar minn offerta waħda: Mhux permessa

Skadenza biex jintlaqgħu l-offerti: 20/07/2026 14:00:00 (UTC+02:00) Hin tal-Ewropa tal-Lvant,

Hin tas-sajf tal-Ewropa Ċentrali

Perjodu waqt li l-offerta għandha tibqa' valida: 120 Jiem

Termini tal-kuntratt:

L-eżekuzzjoni tal-kuntratt għandha titwettaq fil-qafas ta' programmi ta' impjiegi protetti: Għadu mhux magħruf

Kundizzjonijiet relatati mat-twettiq tal-kuntratt: Further details in the official publication on simap.ch

Fatturazzjoni elettronika: Meħtieġa

Se tintuża l-ordni elettronika: Ie

Se jintuża l-pagament elettroniku: iva

Arranġament finanzjarju: Further details in the official publication on simap.ch

5.1.15. Tekniki

Ftehim qafas:

Ebda ftehim ta' qafas

Informazzjoni dwar is-sistema dinamika tax-xiri:

Ebda sistema dinamika ta' xiri

5.1.16. Aktar informazzjoni, medjazzjoni u rieżami

Organizzazzjoni tar-rieżami: Tribunal administrativ federal
Informazzjoni dwar l-iskadenzi tar-rieżami: Instructions on legal remedies In accordance with Article 56 paragraph 1 of the Public Procurement Act (PPA), a written appeal against this decision can be lodged with the Federal Administrative Court, P.O. Box, 9023 St. Gallen, Switzerland, within 20 days of notification. Any appeal is to be submitted in duplicate and must include what is being sought, the grounds for appeal, evidence and the signature of the person lodging the appeal or his or her representative. A copy of this decision and available evidence must be included. The provisions of the Administrative Procedure Act (APA) on legal holidays do not apply in accordance with Article 56 paragraph 2 of the PPA.

Organizzazzjoni li tipprovdi informazzjoni addizzjonali dwar il-proċedura tal-akkwist: Paul Scherrer Institut (PSI)

8. Organizzazzjonijiet

8.1. ORG-0001

Isem uffiċjali: Paul Scherrer Institut (PSI)

Numru tar-registrazzjoni: 9b458f54-ab31-4dad-a5b8-f1e9a6b16a87

Indirizz postali: Forschungsstrasse 111

Belt: Villigen PSI

Kodiċi postali: 5232

Sottodivizjoni tal-pajjiż (NUTS): Aargau (CH033)

Pajjiż: L-Iżvizzera

Email: publictenders@psi.ch

Telefown: +41563102111

Indirizz tal-internet: <https://www.psi.ch>

Rwoli ta' din l-organizzazzjoni:

Xerrej

Organizzazzjoni li tipprovdi informazzjoni addizzjonali dwar il-proċedura tal-akkwist

8.1. ORG-0002

Isem uffiċjali: Tribunal administrativ federal

Numru tar-registrazzjoni: BVGER

Indirizz postali: Postfach

Belt: St. Gallen

Kodiċi postali: 9023

Sottodivizjoni tal-pajjiż (NUTS): St. Gallen (CH055)

Pajjiż: L-Iżvizzera

Email: info@bvger.admin.ch

Telefown: +41584652626

Indirizz tal-internet: <https://www.bvger.ch>

Rwoli ta' din l-organizzazzjoni:

Organizzazzjoni tar-rieżami

8.1. ORG-0003

Isem uffiċjali: Simap.ch

Numru tar-registrazzjoni: CH001

Indirizz postali: Holzikofenweg 36

Belt: Bern

Kodiċi postali: 3003

Sottodivizjoni tal-pajjiż (NUTS): Bern / Berne (CH021)

Pajjiż: L-Iżvizzera
Email: support@simap.ch
Telefown: +41584646388
Indirizz tal-internet: <https://www.simap.ch>
Rwoli ta' din l-organizzazzjoni:
TED eSender

Informazzjoni dwar l-avviż

Identifikatur/verżjoni tal-avviż: 324bdbea-b2b3-449e-b67c-ad6f1294fd5c - 01
Tip ta' formola: Kompetizzjoni
Tip ta' avviż: Avviż tal-kuntratt jew tal-konċessjoni – reġim standard
Sottotip tal-avviż: 16
Data ta' meta ntbagħat l-avviż: 25/04/2026 02:25:51 (UTC+02:00) Ħin tal-Ewropa tal-Lvant,
Ħin tas-sajf tal-Ewropa Ċentrali
Lingwi li bihom dan l-avviż huwa disponibbli uffiċjalment: Ingliż, Ġermaniż, Franciż
Numru tal-pubblikazzjoni tal-avviż: 290046-2026
Numru tal-ħarġa tal-ĠU S: 82/2026
Data tal-pubblikazzjoni: 28/04/2026