

France-Saint Aubin: Research and development services and related consultancy services
OJ S 96/2022 18/05/2022
Contract award notice
Services

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: SYNCHROTRON SOLEIL
National registration number: 439 684 903
Postal address: L'ORME DES MERISIERS
Town: SAINT AUBIN
NUTS code: FR104 Essonne
Postal code: 91190
Country: France
E-mail: Superflat-PCP@synchrotron-soleil.fr
Telephone: +33 169359509
Internet address(es):
Main address: <https://leaps-superflat.eu>

I.1. Name and addresses

Official name: Consorcio para la Construcción, Equipamiento y Explotación del Laboratorio de Luz Sincrotrón
National registration number: Q0801209H
Postal address: C/ Llum, 2-26
Town: Cerdanyola del Vallés
NUTS code: ES511 Barcelona
Postal code: 08290
Country: Spain
E-mail: Superflat-PCP@synchrotron-soleil.fr
Telephone: +33 169359509
Internet address(es):
Main address: <https://leaps-superflat.eu>

I.1. Name and addresses

Official name: Deutsches Elektronen-Synchrotron DESY
National registration number: DE118714904
Postal address: Notkestraße 85
Town: Hamburg
NUTS code: DE600 Hamburg
Postal code: 22607
Country: Germany
E-mail: Superflat-PCP@synchrotron-soleil.fr
Telephone: +33 169359509
Internet address(es):
Main address: <https://leaps-superflat.eu>

I.1. Name and addresses

Official name: Diamond Light Source Ltd

Postal address: Diamond House, Harwell Science and Innovation Campus

Town: Didcot

NUTS code: UK United Kingdom

Postal code: OX11 0DE

Country: United Kingdom

E-mail: Superflat-PCP@synchrotron-soleil.fr

Telephone: +33 169359509

Internet address(es):

Main address: <https://leaps-superflat.eu>

I.1. Name and addresses

Official name: European Synchrotron Radiation Facility

Postal address: 71 rue des Martyrs - BP 220

Town: Grenoble

NUTS code: FRK24 Isère

Postal code: 38043

Country: France

E-mail: Superflat-PCP@synchrotron-soleil.fr

Telephone: +33 169359509

Internet address(es):

Main address: <https://leaps-superflat.eu>

I.1. Name and addresses

Official name: European X-Ray Free-ElectronLaser Facility GmbH

Postal address: Holzkoppel 4

Town: Schenefeld

NUTS code: DEF09 Pinneberg

Postal code: 22869

Country: Germany

E-mail: Superflat-PCP@synchrotron-soleil.fr

Telephone: +33 169359509

Internet address(es):

Main address: <https://leaps-superflat.eu>

I.1. Name and addresses

Official name: Helmholtz-Zentrum Berlin für Materialien und Energie GmbH (HZB)

Postal address: Hahn-Meitner-Platz 1

Town: Berlin

NUTS code: DE300 Berlin

Postal code: 14109

Country: Germany

E-mail: Superflat-PCP@synchrotron-soleil.fr

Telephone: +33 169359509

Internet address(es):

Main address: <https://leaps-superflat.eu>

I.1. Name and addresses

Official name: Paul Scherrer Institut

Postal address: Forschungsstrasse

Town: Villigen
NUTS code: CH0 Schweiz/Suisse/Svizzera
Postal code: 5232
Country: Switzerland
E-mail: Superflat-PCP@synchrotron-soleil.fr
Telephone: +33 169359509
Internet address(es):
Main address: <https://leaps-superflat.eu>

I.1. Name and addresses

Official name: Lunds universitet
National registration number: 202100-3211
Postal address: Box 117
Town: Lund
NUTS code: SE224 Skåne län
Postal code: 221 00
Country: Sweden
E-mail: Superflat-PCP@synchrotron-soleil.fr
Telephone: +33 169359509
Internet address(es):
Main address: <https://leaps-superflat.eu>

I.2. Information about joint procurement

The contract involves joint procurement
In the case of joint procurement involving different countries, state applicable national procurement law:
The applicable national procurement law is French law and specific requirements for PCP supported by Horizon 2020 grants. This PCP is carried out by Synchrotron SOLEIL appointed as lead procurer.

I.4. Type of the contracting authority

Body governed by public law

I.5. Main activity

Other activity: Research

Section II: Object

II.1. Scope of the procurement

II.1.1. Title

SUPERFLAT PCP Process development for manufacture of flat X-ray mirrors
Reference number: LEAPS SUPERFLAT 2021

II.1.2. Main CPV code

73000000 Research and development services and related consultancy services

II.1.3. Type of contract

Services

II.1.4. Short description

This contract award notice informs interested operators about the outcome of a pre-commercial procurement (PCP) that aims to trigger new solutions to be developed and tested to address the following challenge:
manufacturing 500 mm long flat silicon X-ray prototype mirrors with < 50 nanoradians rms slope and < 1 nm p.v. figure errors.
This PCP procurement is a joint procurement by different procurers across Europe.

II.1.6. Information about lots

This contract is divided into lots: no

II.1.7. Total value of the procurement

Value excluding VAT: 75 000,00 EUR

II.2. Description

II.2.3. Place of performance

NUTS code: FR104 Essonne

II.2.4. Description of the procurement

The procurement takes the form of a pre-commercial procurement (PCP). The PCP will award R&D services contracts to a number of R&D providers in parallel to compare competing alternative solutions. This will be done in a phased approach with a framework agreement that covers 3 R&D phases (conceptual design, technical design and metrology validation, development of a manufacturing process & prototyping) with intermediate evaluations after each phase that will progressively select the best competing solutions that will be offered a specific contract for the next phase. Testing of the prototypes is expected to take place at one of the buyer's premises by experts and end-users and in this way the PCP will provide a first customer test reference to participating R&D providers.

This PCP will develop flat X-ray mirrors with clear apertures in excess of 500 mm long and 20 mm wide; slope and figure errors below 50 nanoradians rms and 1 nm p.v. respectively, and with roughness below 0.3 nm rms. The objective is to improve the quality of X-ray mirrors in response to the evolving needs of accelerator-based X-ray light sources.

The initiative is driven in particular by the construction and upgrade of many European user facilities to provide ultra-low emittance X-ray beams for scientists and engineers working in applications addressing many of the global challenges targeted by the Horizon Europe program of the European Commission. To harness their full potential, these facilities require reflective optics of unprecedented quality. The technical challenges include the implementation of reliable and repeatable surface processing tools coupled with accurate metrology. The final result of the PCP will be a prototype mirror produced by each tenderer with a demonstrably controlled manufacturing process. Apart from the direct benefits to the European light sources, the results of this PCP will also act to enhance European industrial competitiveness in this domain.

II.2.5. Award criteria

Quality criterion - Name: Technical quality / Weighting: 70

Price - Weighting: 30

II.2.11. Information about options

Options: no

II.2.13. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds:
yes

Identification of the project: Grant agreement No No101004728 – LEAPS-INNOVThe EU has awarded a grant for this procurement under the European Union's Horizon 2020 Research and Innovation, but is not participating as a contracting authority in the procurement.

II.2.14. Additional information

This procurement is exempted from the EU public procurement directives and the national laws that implement them.

Section IV: Procedure

IV.1. Description

IV.1.1. Type of procedure

Open procedure

IV.1.3. Information about a framework agreement or a dynamic purchasing system

The procurement involves the establishment of a framework agreement

IV.1.8. Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: no

IV.2. Administrative information

IV.2.1. Previous publication concerning this procedure

Notice number in the OJ S: [2022/S 015-034343](#)

IV.2.8. Information about termination of dynamic purchasing system

IV.2.9. Information about termination of call for competition in the form of a prior information notice

Section V: Award of contract

Contract No: 1

Title:

SUPERFLAT PCP Process development for manufacture of flat X-ray mirrors

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

13/05/2022

V.2.2. Information about tenders

Number of tenders received: 3

The contract has been awarded to a group of economic operators: no

V.2.3. Name and address of the contractor

Official name: THALES SESO SAS

Postal address: 530 rue Frédéric Joliot

Town: Aix-en-Provence

NUTS code: FRL04 Bouches-du-Rhône

Postal code: 13593

Country: France

The contractor is an SME: no

V.2.4. Information on value of the contract/lot

Total value of the contract/lot: 25 000,00 EUR

V.2.5. Information about subcontracting

Section V: Award of contract

Contract No: 2

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

13/05/2022

V.2.2. Information about tenders

Number of tenders received: 3

The contract has been awarded to a group of economic operators: no

V.2.3. Name and address of the contractor

Official name: Winlight System

Postal address: 135 rue Benjamin Franklin , ZA Saint Martin

Town: Pertuis

NUTS code: FRL06 Vaucluse

Postal code: 84120

Country: France

The contractor is an SME: no

V.2.4. Information on value of the contract/lot

Total value of the contract/lot: 25 000,00 EUR

V.2.5. Information about subcontracting

Section V: Award of contract

Contract No: 3

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

13/05/2022

V.2.2. Information about tenders

Number of tenders received: 3

The contract has been awarded to a group of economic operators: no

V.2.3. Name and address of the contractor

Official name: SAFRAN REOSC SAS

Postal address: Avenue de la Tour Maury

Town: Saint-Pierre-du-Perray
NUTS code: FR104 Essonne
Country: France
The contractor is an SME: no

V.2.4. Information on value of the contract/lot

Total value of the contract/lot: 25 000,00 EUR

V.2.5. Information about subcontracting

Section VI: Complementary information

VI.3. Additional information

VI.4. Procedures for review

VI.4.1. Review body

Official name: Tribunal d'Instance d'Evry
Town: EVRY
Country: France

VI.5. Date of dispatch of this notice

13/05/2022