

## **REQUEST FOR EXPRESSION OF INTEREST TO PARTICIPATE IN THE NEGOTIATED PROCEDURE FOR THE AWARD OF SERVICES FOR MPW (MULTI PROJECT WAFER) FABRICATION OF CMOS DEVICES.**

Fondazione Bruno Kessler, in compliance with the principles of publicity, transparency, equal treatment, non-discrimination and proportionality, intends to acquire expressions of interest to participate in the negotiated procedure that will be activated for the award of the CMOS device manufacturing service through MPW (Multi Project Wafer), to be carried out in the context of the European FastGhost project (Grant Agreement no. 899580).

This request is aimed exclusively at receiving expressions of interest to encourage the participation of an adequate number of potential contractors interested in the awarding of the work.

This request does not entail any shortlisting or scoring and is not binding for the Foundation which reserves the right, in any case and at any time, to suspend, interrupt, modify or terminate this survey without that this may constitute a right or claim of any kind, indemnity or reimbursement of any costs incurred.

The submission of an expression of interest has the sole purpose of communicating to the Foundation the willingness to be selected in order to participate in the negotiated procedure that will be activated pursuant to Prov. Law 2/2016 and Prov. Law 23/1990.

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### **1. OBJECT OF THE CONTRACT, DURATION AND ESTIMATED VALUE OF THE CONTRACT:**

The object of the assignment is the manufacture of CMOS devices using MPW (Multi Project Wafer) to be carried out in the context of the FastGhost European research project, of which FBK is the coordinator.

The project involves the execution of two fabrication runs, both to be carried out with the same technology, the second being an improvement of what will be developed in the first one:

- First prototype: area ~ 10...12mm<sup>2</sup>, to be built by October 2021
- Second prototype: area ~ 81mm<sup>2</sup>, to be built by October 2022

Sizes are indicative and represent the maximum expected. Specifically, the chip manufacturing technology shall have the following specifications:

- CMOS technology, with 150nm or smaller technology node, suitable for mixed-signal applications;
- feature a characterized and scalable SPAD device;
- feature digital and input/output libraries;
- supply of at least 40 silicon samples for each run;
- inclusion of bonding/packaging services for at least 20 samples for each run;
- preferably imaging specific technology (CIS, CMOS Image Sensor).

The contract shall have a duration of five years, from 2021 to 2024.

The estimated amount for the overall execution of the work that includes both runs is equal to € 125,000.00 (VAT exempt pursuant to Article 72, paragraph 1, letter c) of Presidential Decree 633/1972).

## 2. CONTRACTOR SELECTION CRITERIA:

The tender procedure will be carried out according to the most economically advantageous offer criterion pursuant to art. 16 of PL n.2 of March 9, 2016 and art. 95 of Legislative Decree No. 50 of April 18, 2016.

Each offer will be awarded a maximum of 100 points, divided as follows:

A) TECHNICAL ELEMENTS (technical score)	80/100
B) ECONOMIC ELEMENTS (economic score)	20/100
OVERALL SCORE	100

The scoring of the technical elements will be defined based on the specifications identified in the previous point and the use of technology in use at the FBK laboratories.

## 3. REQUIREMENTS:

In order to participate in the negotiated procedure, competitors must meet the following requirements:

- Absence of grounds for exclusion from participation in tender procedures pursuant to Article 80 of Legislative Decree 50/2016 (art. 57 of Directive 2014/24/EU).
- Registration, for above activities, in the register of the Chamber of Commerce, Industry, Crafts and Agriculture, or similar professional or commercial register of another Member State where the economic operator is based.

## 4. METHOD OF SUBMISSION OF EXPRESSIONS OF INTEREST AND SELECTION OF APPLICANTS:

Expressions of interest shall be submitted by completing the online form at <https://www.fbk.eu/it/manifestazione-di-interesse-per-lavori-servizi-e-forniture/> no later than Wednesday, April 7, 2021 at 11.59 pm.

It should be noted that, in the event that only one expression of interest is received, the Foundation - since these are activities related to the execution of research programs with a high technical or scientific content - reserves the right to proceed directly with the supplier deemed suitable pursuant to the provisions of art. 21 paragraph 2 lett. d) and paragraph 4 of Provincial Law n. 23 of July 19, 1990.

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The data provided by bidders will be processed for the only purposes related to the completion of the procedure concerned pursuant to art. 13 of EU Regulation n. 2016/679 (GDPR).

For further information, please write [to\\_gare@fbk.eu](mailto:to_gare@fbk.eu).



Officer in charge of the procedure for the contract award: Paola Angeli.

Trento, March 22, 2021

Paola Angeli

Tenders and Contract Service

(digitally signed)