



**Łukasiewicz**  
Instytut  
Mikroelektroniki  
i Fotoniki

1IMIF/W/...../24

Warsaw, 28.01.2025

**Request for contract value estimation of delivery of the prototype integrated circuits manufactured in XP018 process from X-FAB within engineering run performed in MLM variant**



For the purpose of the contract value estimation Łukasiewicz Research Network – Institute of Microelectronics and Photonics requests information on the estimated co

Disclaimer!

This contract value estimation request does not constitute an offer within the meaning of Article 66 of the Polish Civil Code and is neither the advertisement nor the price quotation within the meaning of the Public Procurement Law. This information is requested solely for market recognition and pricing estimation for the delivery to be contracted.

1. The Contracting Authority

**Łukasiewicz Research Network – Institute of Microelectronics and Photonics  
al. Lotników 32/46,  
02-668 Warszawa**

2. Order description

The subject of the order to be contracted is the supply of prototype integrated circuits manufactured in XP018 process from X-FAB Silicon Foundries SE production facility, within an engineering run performed in MLM variant, according to the design and technical specification provided by the ordering party.

#	Feature	Value
1.	Origin of the design deployed for manufacturing of the prototype integrated circuits	Integrated circuits manufactured according to the design provided by the Ordering Party, comprised of four component designs
2.	Name of the target silicon foundry deployed for manufacturing of the Ordering Party design	Integrated circuit manufacturing process performed within X-FAB Silicon Foundries SE
3.	Target silicon process name	XP018
4.	Set of silicon process modules utilized for manufacturing of the Ordering Party design	LP5MOS, MET3, METMID, MIM, NVM, ISOMOS, MRPOLY, HRPOLY
5.	Final thickness (after backgrinding process) of the bare dies of prototype integrated circuits manufactured according to the	Final thickness is 300um (typical value)

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	Ordering Party design	
6.	Number of samples received by Ordering Party from manufacturing of four component designs that fits together with scribe lanes in the rectangle of 9x11mm	Number of available samples must be at least 200 for each manufactured component designs, from a single wafer
7.	Production variant to be deployed for manufacturing of the design provided by ordering party	4xMLM – Multi Level Mask set, 4 levels per reticle
8.	Nominal lead time including mask preparation stage	Nominal lead time including mask preparation stage not exceeding 20 weeks
9.	Start of the manufacturing run	The manufacturing run starts (tape-in) in first quarter of 2025
10.	Legal limitations	No legal limitations on the part of the Contractor on future usage and application of prototype integrated circuits manufactured according to the Ordering Party design, provided by the Contractor, including military / defense applications other than generally applicable provisions of law

3. Contract value estimation components:

The Contractor should include in the quotation:

- 1) Name, street address Contractor, contact person;
- 2) The price in EURO (net + VAT), including all costs of the contract.

4. Form of submission of the contract value estimation:

Electronically to the following address:

**grzegorz.janczyk@imif.lukasiewicz.gov.pl**

5. Deadline for contract value estimation:

**03.02.2025**

6. Contact person:

**grzegorz.janczyk@imif.lukasiewicz.gov.pl**

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