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## Press Release

The National Institute for Research and Development for Microtechnologies - IMT Bucharest is proud to announce the launch of the project "National Platform for Semiconductor Technologies (PNTS)", SMIS code 304244, under the funding contract no. G 2024-85828/390008/27.11.2024, concluded with the Ministry of Research, Development and Digitalization (MCID) as Intermediate Body in the name and for the Ministry of Investments and European Projects as Managing Authority, funded under the Smart Growth, Digitalization and Financial Instruments Program 2021-2027. The funding contract started in 27.11.2024, and the implementation period is 60 months.

The total value of the project is 649,319,158.14 lei, of which The non-reimbursable financial assistance is 617,361,467.01 lei, 305,074,263.67 lei is financed from the European Regional Development Fund, 312,287,203.34 lei from the national budget, and 25,597,940.18 lei eligible co-funding.

The main objective of the PNTS project is to support Romania's involvement in the European strategic field of microelectronics by revitalizing the national ecosystem in the field of semiconductor technologies through the development and technological transfer of products and services for key integrating technologies.

As a result of the implementation of the PNTS project, the distributed research and technological infrastructures will be able to efficiently ensure the coverage of the semiconductor value chain, the implementation of industrial-academic projects, the provision of knowledge and technological services, the carrying out of micro-production activities, as well as the carrying out of educational and training programs.

The project is implemented in partnership with five nationally representative research organizations: the National University of Science and Technology Politehnica București, NIRD for Material Physics, NIRD for Lasers, Plasma and Radiation Physics, NIRD for Technical Physics, NIRD for Molecular and Isotopic Technologies, and 21 innovative SMEs selected through a competitive and transparent process.

Main results estimated:

- 3 pilot lines: (1) Microfabrication of semiconductor devices; (2) Additive mask-less microfabrication; (3) Non-standard processes for deposition of functional thin films;
- 40 education and training sessions per year for students and industry specialists;
- 20 prototypes or demonstrators fabricated according to the companies' specifications; 70 new technological services offered to the industrial environment;
- 30 innovative semiconductor systems with applications in automotive, energy conversion and distribution, space and security.

Project co-financed from the European Regional Development Fund through the Smart Growth, Digitalization and Financial Instruments Program 2021-2027.

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Project website: <https://www.imt.ro/PNTS/> (active before 01.12.2024).

