

CONCORDi 2021: Industrial innovation for competitive sustainability

EARTO Part 1 - Technology Infrastructures:

Key enablers for the transition to a sustainable and digital industry



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Łukasiewicz – Institute of Microelectronics and Photonics

Łukasiewicz – Institute of Microelectronics and Photonics has over 50 years of history. From April 2019, it is part of the Łukasiewicz Research Network.

The Institute conducts research and development works in the areas of: micro-nanoelectronics, optoelectronics, materials engineering, photonics (including nanophotonics), microwave electronics, power electronics, transparent and flexible electronics. It implements and disseminates the results of these works in the economy, being open to cooperation with entrepreneurs.

Łukasiewicz Research Network



We are the third largest research network in Europe
and the R&D leader in Central and Eastern Europe. We integrate 32 research and development institutes



We are a modern research institution
We manage 440 R&D laboratories

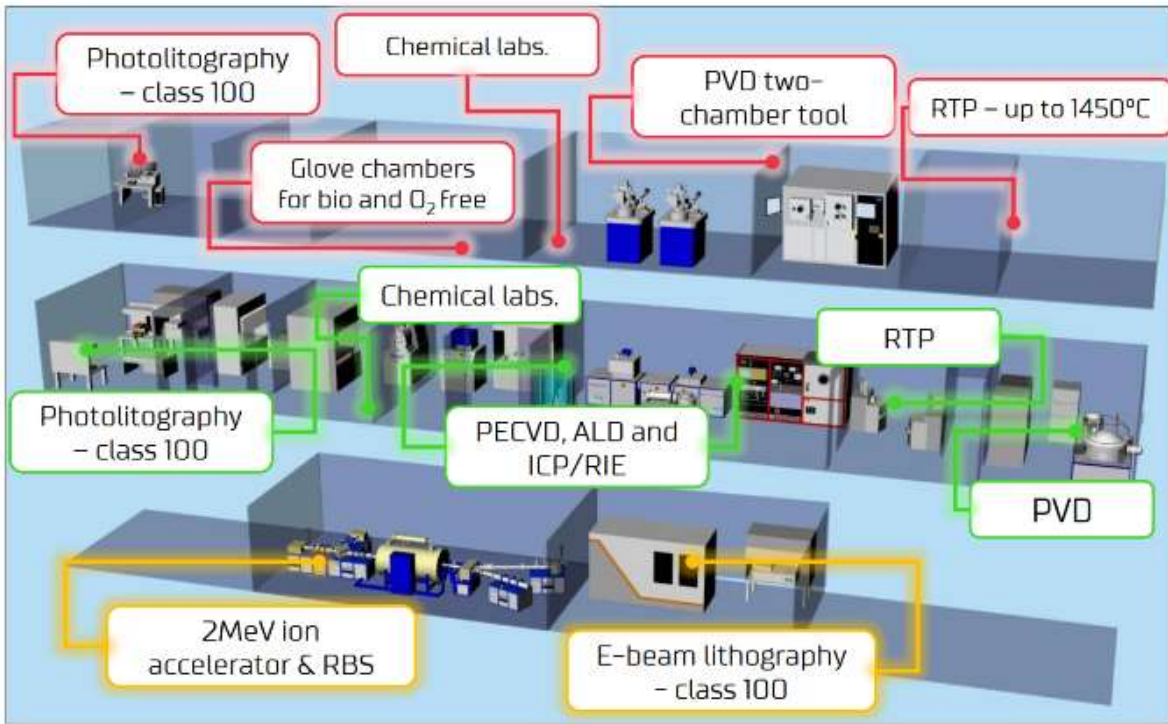
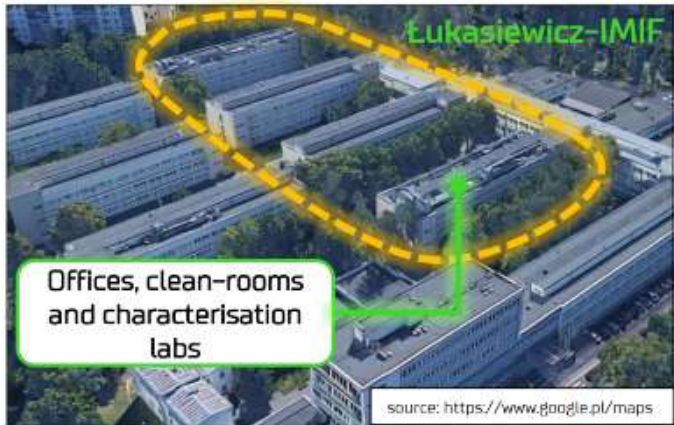


We have specialized research equipment
3,762 key instruments, including 497 unique instruments on a Polish scale

The best people work for us
Almost 4,500 employees of the research, engineering and technical departments work in the entire Łukasiewicz



Laboratories of GaN-based Devices, Sensors, Thin-film Structures and Porous Materials Research Group - Łukasiewicz - IMiF



Level 2
(clean-room)

Level 1
(clean-room)

Level 0
(clean-room)

Level -1

DC and RF electrical char. labs, optical char. labs, SEM + substrate thinning and polishing lab. Other characterisation tools like XRD, AFM, ellipsometry located at level 1 and 2.

Investment (past and foreseen) : > 10 mln €
Annual costs ~2-2.5 mln €