

## CEZAMAT

The Center for Advanced Materials and Technologies (CEZAMAT) is one of the largest R&D investments in Poland.

The project envisages an establishment of the **network of five laboratories** equipped with **advanced state-of-the-art R&D tools**. Bringing together the laboratories, know-how and skills from different areas the Centre will facilitate and promote interdisciplinary research that covers such fields as:

- nanotechnology,
- micro- and nanoelectronics, and semiconductor microsystems (MEMS, MOEMS),
- photonics,
- advanced materials,
- biotechnology.

CEZAMAT is supposed to have **a nationwide and international impact on science, business innovativeness and economy as well**. Laboratories of the Center will allow to carry out complex science projects which **effects will be used by different branches of industry**, such as, among others: microelektronics, telecommunications, transport and health protection.

This unique network of specialized laboratories comprises of:

- **The Central Laboratory** – a set of multidisciplinary laboratories located on the premises of the Warsaw University of Technology, at Poleczki St., Warsaw,

The Central Laboratory **is the greatest CEZAMAT investment which will be completed in second half of 2015**. It will be equipped with state-of-the-art technological and measurement equipment and will provide optimum technical infrastructure for conducting high-technology research.

The Central Laboratory will **comprise of five equipment platforms**:

- *Modelling and simulation platform,*
- *Platform of the technology of structures, devices and circuits,*
- *Platform for development of new materials,*
- *Biotechnology (in particular bioengineering) platform,*
- *Platform for diagnostics and characteristics of materials, structures, devices and circuits.*



- **Advanced laser nanotechnologies laboratory**, Military University of Technology, at gen. Sylwestra Kaliskiego St., Warsaw,
- **Advanced spectroscopic and magnetical properties characterization laboratory**, Institute of Experimental Physics, University of Warsaw, at Hoża St., Warsaw,
- **Nitrides quantum structures and their advanced characterization techniques laboratory**, Institute of High Pressure Physics (PAN), at Prymasa Tysiąclecia Av., Warsaw,
- **Precision chromium masks and micro-optical diffraction structures fabrication laboratory**, Institute of Electronic Materials Technology, at Wólczyńska St., Warsaw.

The Project of the Center for Advanced Materials and Technologies is **created and implemented by a consortium of eight prestigious Warsaw research centers**:

- Warsaw University of Technology (leader of the Consortium),
- Institute of Electronic Materials Technology,
- Institute of Fundamental Technological Research, Polish Academy of Sciences,
- Institute of High Pressure Physics, Polish Academy of Sciences,
- Institute of Physical Chemistry, Polish Academy of Sciences,
- Institute of Physics, Polish Academy of Sciences,
- Military University of Technology,
- University of Warsaw.

**More information about CEZAMAT is available on: [www.cezamat.eu](http://www.cezamat.eu)**