

## **STATEMENT**

**Bialystok University of Technology has the following Research Centers:**

- 1. „INNO-ECO-TECH" is an Innovative Educational and Research Center for Alternative Energy Sources, Energy-Efficient Construction, and Environmental Protection at Bialystok University of Technology. It is located on the main campus of Bialystok University of Technology.**

"INNO-EKO-TECH" is an Innovative Educational and Research Center for Alternative Energy Sources, Energy-Efficient Construction, and Environmental Protection at Bialystok University of Technology. It is a complex covering an area of over 8,000 square meters. It comprises 36 laboratories and nearly 700 research stations. On the building's roof, there is a weather station, photovoltaic panels, wind turbines, and solar collectors. The conducted research mainly focuses on renewable energy sources, energy-efficient construction, and environmental protection. The main task of the Center is to seek innovative solutions and technologies to minimize the costs of energy-producing technologies. The Center plays a crucial role in the education and research activities of the Faculty of Civil Engineering and Environmental Sciences, the Faculty of Mechanical Engineering, and the Faculty of Electrical Engineering at Bialystok University of Technology.

- 2. Scientific Research Center of the Institute of Forest Sciences at Bialystok University of Technology located in Hajnówka.**

In the Center, there is a seminar room and a set of four specialized laboratories:

1. Laboratory of Forest By-Products with the Supercritical Extraction Workshop and the Physicochemical Properties Workshop
2. Laboratory of Forest Environment Monitoring with the Genetics Workshop and the Environmental Protection Workshop
3. Laboratory of Photodetection and Computer Image Analysis
4. Laboratory of Entomology with the Preparation Workshop, Photoelectors Workshop, and Collection Warehouse

The Center is essential for teaching at the Faculty of Civil Engineering and Environmental Sciences on the Forestry specialization.

- 3. The laboratory and research building for renewable energy is located at the Faculty of Architecture, Bialystok University of Technology.**

The main goal of this Center is to research the effectiveness of active and passive methods to improve the energy efficiency of infrastructure using renewable energy sources. Additionally, it serves as an important practical knowledge base for students studying architecture.

#### **4. Research and Teaching Center of the Faculty of Electrical Engineering**

At the Faculty of Electrical Engineering of Bialystok University of Technology, there is the Research and Teaching Center of the Faculty of Electrical Engineering, which includes: Laboratory of High Voltage Techniques, Laboratory of Fiber Optics Technology, Laboratory of Power Equipment, Laboratory of Photonic Materials Engineering, Grounding Techniques Laboratory, Telecommunication Laboratory, and Hybrid Power Plant Operations Center.

One of the main areas of activity of the RTC FE is the Hybrid Power Plant. This power plant is part of the Hybrid Power Plant Operations Center, which conducts research and develops technologies related to renewable energy production.

The Research and Teaching Center of the Faculty of Electrical Engineering conducts advanced research and training in its respective fields. The center also serves as a platform for collaboration between the university and industry, facilitating technology and knowledge transfer.

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