

Special Organizational Structures for University - Industry Cooperation

Andrzej Sobkowiak

Rzeszów University of Technology

(www.prz.rzeszow.pl)

P.O. Box 85, 35-959 Rzeszów, Poland

e-mail: rektor@prz.rzeszow.pl





**Ignacy Łukasiewicz
(1822-1882)
was the pioneer of the
world oil industry**

**He performed crude
oil distillation
and constructed the
carosene lamp**

Rzeszów University of Technology **the biggest technical university** **in Podkarpackie Region**

Established in 1951

- **676 academic teachers: including 146 full and associate professors**
- **722 other staff**
- **12 181 students**

Rzeszów University of Technology

Faculties:

- **Mechanical Engineering and Aeronautics**
- **Electrical Engineering and Computer Sciences**
- **Civil and Environmental Engineering**
- **Chemistry**
- **Management and Marketing**
- **Mathematics and Applied Physics**



Aviation Training Centre

Provides training, which complies with International Civil Aviation Organization and European Joint Aviation giving a „frozen” airline pilot’s licence

Established in 1976

460 pilots trained



The University Gliding Centre in Bezmiechowa



Aviation Valley (established in 2003)



Founders of the Centre of Advanced Technology "AERONET - Aviation Valley"

- **Rzeszow University of Technology**
- **Warsaw University of Technology**
- **Lublin University of Technology**
- **Lodz University of Technology**
- **Silesian University of Technology**
- **University of Rzeszow**
- **Aviation Valley Association**

The Centre of Advanced Technologies

"AERONET - Aviation Valley"

- **Design and testing of aviation structures and propulsions**
- **Aviation teleinformatics and avionics systems**
- **Modern materials and surface engineering processes**
- **Modern production techniques in the aerospace industry**

Laboratory for Materials Production and Testing

**Cost approx. 7.5 mln Euro
Fully Functional in September 2007**

Areas of research:

- **Monocrystals / Directional Crystallization**
- **Heat and Creep Resisting Coatings**
- **High Speed Machining**
- **Materials Characterization**

Laboratory for Materials Production and Testing



**Laboratory vacuum furnace
for directional crystallization
of nickel base alloys (*ALD*)**



**Laboratory equipment
for CVD coatings
deposition (*Ion Bond*)**

Existing Specialized Laboratories

- **Internal Combustion Engine Laboratory**
- **Laboratory of Building Structure Research**
- **Laboratory of Stereolithography**
- **Laboratory of Mechanical Technology**



Cooperation with Local Government

- **Regional Innovation Strategy for Podkarpackie Region**
- **The Priority Technologies for Sustainable Development of Podkarpackie Region (Foresight)**
- **Academic Incubator**





Thank you for your attention !