

Erasmus+ Blended Intensive Programme

IoT and Industry 5.0 – Human-Centric Digital Transformation

Host Institution: State University of Applied Sciences in Głogów (PANSG), Poland

Coordinator: Prof. Marcin Witczak

Partner Universities:

- University of Ferrara (Italy)
- Universitat Politècnica de Catalunya (Spain)
- University of Applied Sciences Ravensburg-Weingarten (Germany)
- University of Stavanger (Norway)
- Eskisehir Technical University (Turkey)
- Vilnius Business College (Lithuania)

Target Group

- **Students:** Bachelor, Master, PhD in Control Engineering, Robotics, Computer Science, Business Economics
- **Staff:** Academic and technical staff interested in IoT and Industry 5.0
- **Group Size:** Max 20 participant

Learning Objectives

- Explore **KIS.ME** IoT platform for smart manufacturing/logistics
- Develop skills in **digital twins**, **rule-based automation**, **KPI dashboards**, and **FLEX scripting**
- Understand **human-centric automation**, **AI integration**, and **ethical/sustainable production**

Programme Timeline

Total Workload: 5 ECTS credits for students

Virtual Component Part 1: 15–30 April 2026

Physical Mobility in Głogów: 4–8 May 2026

Virtual Component Part 2: 11–30 May 2026

Learning Materials

- **Main Textbook:** Springer Open Access Guide
- **Video Tutorials:** KIS.ME Support
- **Use Cases & Success Stories:** Application Examples

Recognition

- **Students:** 5 ECTS credits

- **Staff:** Certificate of participation

Programme Activities

Virtual Part I: Kick-off, lectures, quizzes, handbook study, case studies

Physical Mobility: Lectures, lab exercises, soft skills training, hackathon, cultural visits

Virtual Part II: Group projects, reporting, sprint meetings, final presentations

Facilities

IoT & Industry 5.0 Lab (Room 217)

- Robotic manipulators, VR systems, KIS.ME kits, MATLAB, Inventor, Autocad
- Hands-on experience with KIS.BOX, KIS.LIGHT, KIS.IO

Business Economics Lab (Room 216)

- Dual-monitor PCs, graphics tablets, HDMI matrix switch, Office tools

Training Lab (Room 211)

- Multimedia touch screen, flexible layout for workshops

Sample Project Topics

- Smart Desk Occupancy Monitor
- RFID-Based Access Control
- Mini Warehouse Inventory Tracker
- Assembly Line Efficiency Monitor
- IoT-Enabled Classroom Feedback System
- Digital Twin Floorplan Visualization

Accommodation Options

Odra Nature & Recreation Center “Neptun” ~40€/night/double room

Qubus Hotel (*Special BIP Offer*) ~70€/night/double room

Why Join?

- International collaboration
- Hands-on IoT experience
- Cutting-edge Industry 5.0 tools
- Cultural exchange & networking
- Boost your digital and transversal skills!