

Industrial Research Institute for Automation and Measurements - PIAP

WHO WE ARE?

Industrial Research Institute for Automation and Measurements PIAP was established in 1965 as a national institute which basic task was preparing and implementing new technologies, automation systems, production plant and specialist measuring equipment in various branches of industry. Forty years of close cooperation with industry have brought a series of new designs and significant implementations.

Thanks to continuity of our research and development work, we achieved a very high level of our designs. They can easily compete with products of renowned international companies.

COLLABORATION INTERESTS

Industrial Research Institute for Automation and Measurements PIAP is widely cooperating with industrial and scientific organizations from European Union. This cooperation is focused mainly on the research and development as well as scientific projects co-financed by European Commission with in Framework Programs. PIAP was actively participating in 4th, 5th and 6th Framework Program.

Moreover PIAP is collaborating as well with scientific and industrial organizations from USA This cooperation is concentrating on systems for increase of railway security, road and maritime transportation as well as development of industrial systems for automated production of electronic devices.

Engineers from the Industrial Research Institute for Automation and Measurements PIAP develop unique technical solutions and perform interdisciplinary research projects. The expertise of PIAP is focused on:

- technical solutions for public security (systems of automated monitoring, antiterrorist robots, disaster management systems)
- technical solutions for environmental protection as well as environmental engineering (devices and systems for recycling, pollution monitoring systems, measuring systems distributed at the large area, unique and robust data transmission devices for hazardous conditions)
- satellite monitoring and transportation management
- including transportation of hazardous goods
- technical devices and informatics systems
- supporting food production and storage.
- unique electronics, mechatronic and optical devices and systems
- nondestructive testing, industrial automation as well as sensing technique, especially measuring

- transducers operating in hard conditions.

RESEARCH AREAS

At present, our activities are focused in the following fields:

- automation and robotization of production processes,
- automation of transport between operation stands,
- quality control systems with use of video technique,
- mobile robots used for special purposes,
- industrial measurement systems,
- specialist measuring and inspection equipment
- car recycling.

Furthermore, we undertake tasks which contribute to dissemination and promotion of science and technology. We organize:

- Annual Science and Technology Conference AUTOMATION - Automation, Novelties and Perspectives.
- International Automation and Measurement Fair AUTOMATICON and POMPY I ARMATURA (pumps and fittings) as a co-organizer.
- Seminars entitled "New theories and practice in the field of automation and measurements".

MAIN ACHIEVEMENTS

PIAPs works include: National System of Automation and Measurements POLMATIK, automated production and assembly stations for FSM Tychy,

automated and robotized technological lines in kinescope factory in Piaseczno. Moreover, PIAP prepared and started up the production of mobile robots supporting antiterrorist missions.

REFERENCE PROJECTS

VIEW FINDER – Vision and Chemiresistor Equipped Web-connected Finding Robots

TRIPS – Transport Infrastructures Protection System

INNOVATION CIRCUS – Challenge and Illuminate Regional Creators and Unfold Societal Strength

PACIFIC – Applications Concept Involving Future Interested Customers

IRPS – Intelligent Robotic Porter System

E-MULT – European Multi-threaded Dynamic SME Networks for Market-Driven ELV Recycling

ISAR – Integrated Set of vocational trainings in the field: most advanced solutions in technology, organization and safety in Automated and Robotized manufacturing systems

WHAT MAKES US A GOOD PARTNER

We are distinguished on our market because of:

- high quality of products and services confirmed with quality system pursuant to ISO standards,
- specializing in integration of large systems with components from various manufacturers,
- executing especially difficult tasks requiring non-standard solutions and involvement of professionals from various areas,
- Engineers from the Industrial Research Institute for Automation and Measurements PIAP develop unique technical solutions and perform interdisciplinary research projects.

OTHER INFORMATION

Industrial Research Institute for Automation and Measurements
Al. Jerozolimskie 202, 02-486 Warsaw
Phone: (+48) 022 8740 194
Fax: (+48) 022 8740 221
e-mail: piap@piap.pl
<http://www.piap.pl/>

