together we can
control everything

ameplus

Analysis

Project Completion

Programming

Compliance Services

We provide complex services in technical consulting and technical supervision of Project as well as complete system installations. We offer programming and consultant services, technical support of our software products during their implementation and later warranty services.

AMEplus, thanks to many years' experience supported by numerous references, can be seen as reliable and trusty contractor of integrated applications as well as automation and control systems services.

Automation
Control systems

Tadeusz Legierski
President

Marek Krzemień
V-ce President

AMEplus is a well known provider of complete solutions in design, programming and installation of industrial automation equipment and control systems. Our solutions include all layers of hierarchical control systems of industrial processes, machines and technological lines.

AMEplus team has many years experience with automation and control systems start-up, mainly in ore beneficiation and copper refining industries as well as automotive industry. The experience and professionalism of AMEplus staff are also used in many other sectors, such as the energy industry, heat treatment processes, chemistry building production, hydro-technical facilities, or the food industry.

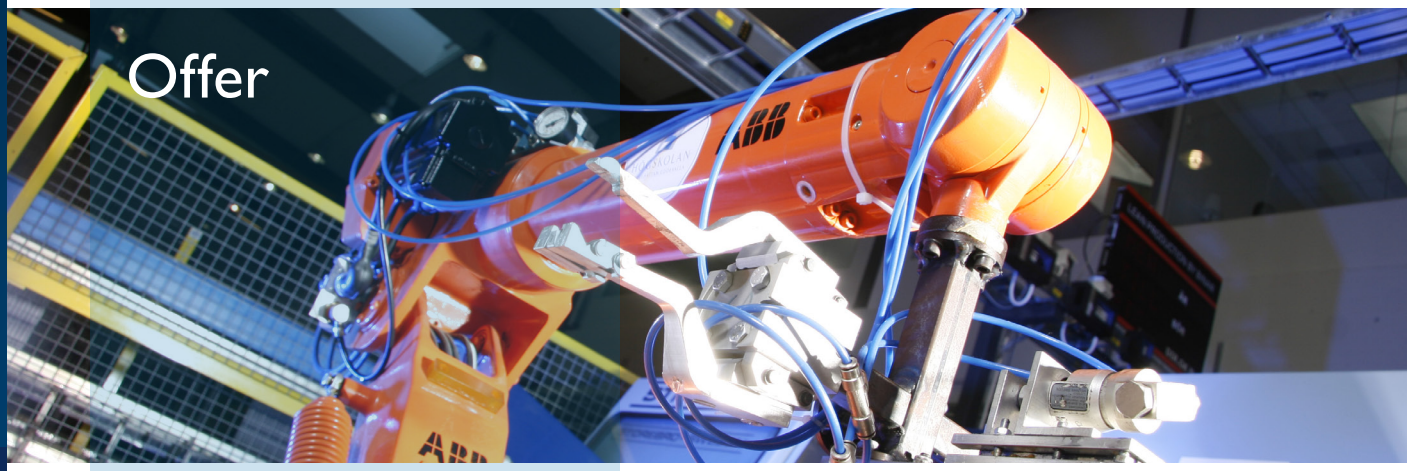
More than 30 experienced professionals work on our solutions. We have completed over 400 projects build on latest technologies and advanced knowledge of system analysis and control optimization. Nearly 300 companies in the country and abroad use our services. Product development strategy is supported by research and development investment outlays.

Thank to innovative solutions we strengthen our position in the industrial automation market in the country and the world. Through cooperation with global corporations, we are present on the European continent, USA and the Middle East. We cooperate with our partners in various industry sectors, including::

- **automotive industry:**
  Volkswagen, Škoda, Mercedes, BMW, KIA,
- **non-ferrous metals industry:**
  KGHM Polish Copper, Non-Ferrous Metals Institute,
- **energy industry:**
  Rafako, Sefako, EnergoInstal, Foster Wheeler,
- **engineering, iron and steel industry:** Eaton, Timken, Huta Łabędy, ZKM Stalowa Wola, Institute for Ferrous Metallurgy,
- **chemistry building industry:**
  Alpol Gips, Kreisel, Quick-Mix, Caparol.

We attach great importance to solidity of commissioned tasks with their performance to a determined deadline. The most vital issue for us is to meet our clients requirements and, if they request so, support them with our professional advice at all stages of any project realization..

Offer



AUTOMATION

Design of automation and electrical industrial equipment, completion, delivery and start-up of automation systems. Project expertise and supervision.

CONTROL SYSTEMS

Designing, programming and systems installation::

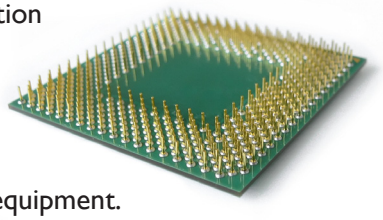
- **PLC** systems (*Programmable Logic Controller*)
- monitoring and supervisory control systems, **SCADA** (*Supervisory Control and Data Acquisition*)
- **RFID** (*Radio-frequency identification*),
- vision systems, **VS** (*Vision Systems*)
- telemetry systems, **TS** (*Telemetric Systems*)
- production management, **MES** (*Manufacturing Execution System*).

ROBOTICS

Robots programming and safety systems designing, conveyance and building the supervisory control systems for robots station.

IT SYSTEMS

- **FloVis** software package (Optimization of the Flotation Process Control using Vision System) for monitoring, supervisory control and optimization of flotation machines, based on observation of flotation foam.
- **AMESYT** software package for the implementation and start-up of visualization systems using web browsers.
- **AMETYST** software package for identifying and locating people and equipment.
- **ATS4** software package (Advanced Timetabling Solution) online system for classes planning.
- **Datalogger** - the hub of measurement data collected from geotechnical networks.



CONSULTING

Consultancy, research and development in models identification and process control optimization.

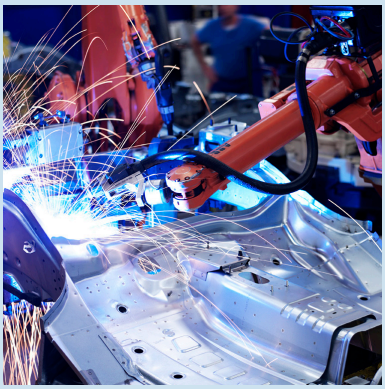
ameplus

Products

ameautomotive

CONTROL IN AUTOMOTIVE INDUSTRY

- automated material transport at every stage of production,
- production resources control of car bodies using statistical analysis and optimization methods,
- robots stations in welding, bonding, corrosion protection, sealing, cleaning and painting processes,
- wireless identification and production tracking.



amemachine

MACHINES AND PRODUCTION LINES CONTROL

- automatic welding machines for welding power boilers' walls,
- generators, compressors and turboblowers,
- thermal trimmers,
- multi-spindle gantry drills,
- cranes,
- technological lines for asphalt production,
- technological lines for molding sand preparation and metals casting,
- polyurethane and PVC extruders,
- receiving station for air pressure adjusting valves

amehydro

HYDROTECHNICAL OBJECTS CONTROL

- geotechnical network measuring stress and deformation of orogens and hydro-technical objects,
- hydrometrical measuring stations and stations measuring water levels, weirs and locks along the rivers,
- water intakes and water treatment facilities, sewage pumping stations with communication by telephone connection, radio connection in the trunk network and in the GSM mobile networks,
- sewage treatment, oily liquid treatment.

ameplant

CONTROL IN FOOD INDUSTRY

- technological processes in sugar factories: diffusion, purification and evaporation of the juice, brewing diabetes,
- technological processes in the grain industry.

amecuprum

CONTROL IN COPPER INDUSTRY

- grinding, classification and flotation in ore enrichment plants,
- rod and ball mills with power drives over 1 MW,
- copper electrorefining process and associated processes,
- weighing and balancing systems of raw materials and products with the **ERP** communication (**Enterprise Resource Planning**)
- stations with telemetry systems for emission and immission measuring and reporting systems in the environmental protection,
- **RFID** systems in mining companies for identifying and locating people and equipment..

ametherm

CONTROL IN STEEL INDUSTRY

- lines for metals heat treatment equipped with:
  - furnaces for hardening, tempering and balling annealing of bearing rings,
  - furnaces for hardening with endothermic atmosphere including control system of carbon potential,
  - hardening bath,
  - washers and dryers,
  - chamber furnaces with protective atmosphere,
- creep laboratory equipped with a system for collecting, processing and visualization of research data.

amemix

CONTROL IN PRODUCTION OF CHEMISTRY BUILDING

- lines for the chemistry building production,
- lines for products making accordingly to given recipes for multicomponent mixtures,
- lines for bulk materials wrapping.

amepower

CONTROL IN ENERGY INDUSTRY

- combustion in power boilers and flue gas desulfurization,
- measurements in fuel tanks and systems based on composition of mixtures in the fuel,
- enrichment and processing of coal.

ameplus
systemy sterowania

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