

## Industrial Automation

- Full systems for automatic regulation and control of industrial plants with PLC management system;
- Different kind of data transmission (Ethernet, RS485, profibus, etc.);
- Telemetry systems for HVAC plants and special industrial plants;
- Drive controls with oleodynamic, pneumatic, electric systems with special attention to safety and alarms management;

## Machines

- Environments classification and risk analysis (Pressure Equipments Directive; EXplosive ATmosphere; Machines Directive etc.);
- Design for new machines and standard fulfilment of ones existing;

## Electric installations

- Industrial plants in low and middle voltage (cabins, grounded systems etc.);
- Civil and Commerical plants;
- Special plants (structured wiring, generator sets, fire detection, telephonics, burglar alarms, photovoltaics);

## Mechanical plants

- HVAC systems for civil and industrial environment;
- Idraulic plants;
- Gaseous and liquid fuel plants;
- Fire extinctions plants;



## Documentation for enterprise and for institutions

- Fire prevention;
- Risk analysis and safety plan;
- Notice of start activities;
- Handbooks editing according to civil and NATO standards;
- Activities planning and optimization of human and material resources;
- Project management from the quotation to the final inspection;
- Plan editing for routine, planned and corrective maintenance;

## Alternative energies

- Photovoltaic and solar plants;
- Energetic buildings evaluation;
- Study and Evaluation of environmental impact;
- Feasibility studies;

## Mechanics and structure

- Project of constructive elements for machines in particular: shafts, couplings, drives, frames for machinery;
- Structural steel and steel concrete design; test with Finite Element Method software;
- Project of beds for machines and engines against vibrations;
- Feasibility study for noise reduction in civil and industrial environments;

