





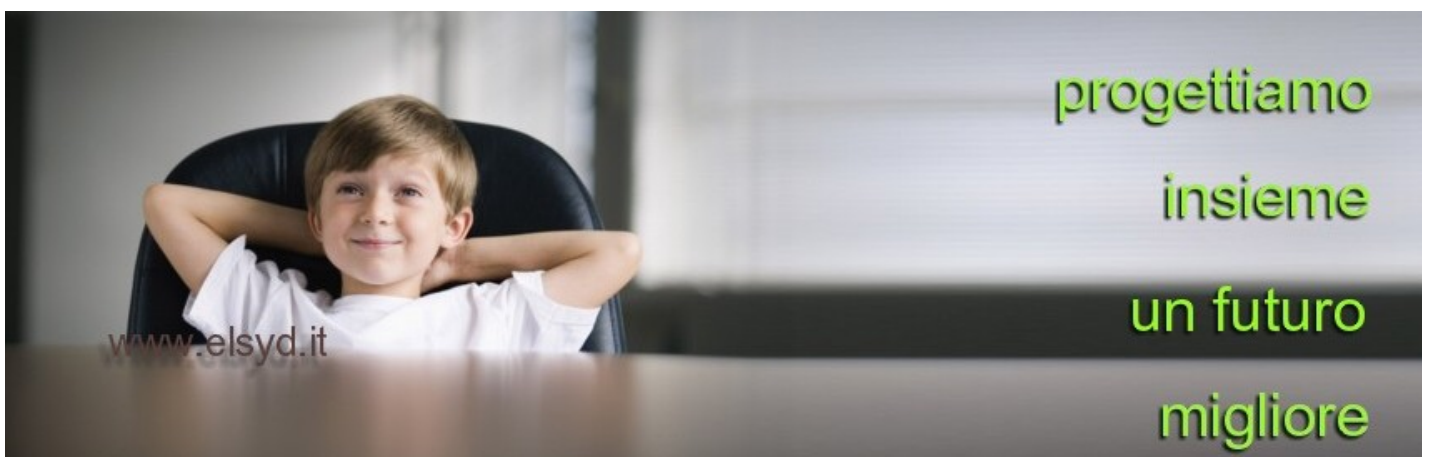
-  Innovative and environmentally sustainable "Solutions" for the community
-  Manufacture of automatic machines for the industry
-  Mechanical, electronics and software design
-  Assembly and testing of mechanical, electromechanical and industrial electronics

### **From design to product ... the power of collaboration**

- Collection and specification (project / product)
- Feasibility study and budgeting
- Mechanical design
- Hardware design
- Software design
- Printed circuit design
- Graphic and ergonomic design of HMI
- Prototyping
- Product industrialization
- Testing, type testing, project validation
- Technical documentation and instruction manuals
- Series production
- final testing
- Packaging, installation, service, after sales support

### **Our production program includes:**

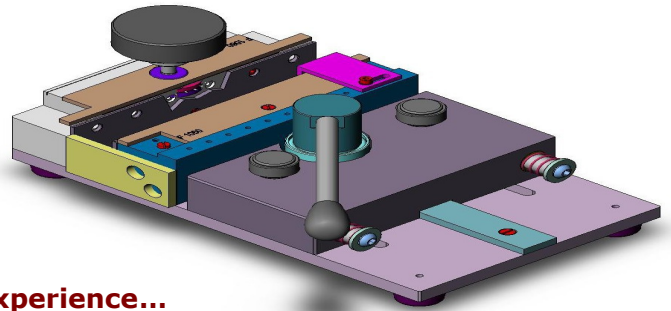
- D**esign and production of acquisition and processing cards, control panels, drives, robotics and process instrumentation
- S**tudy and manufacture of precision automation
- E**ngineering of electronic equipment
- P**roduct documentation, installation plans, components research and updating
- M**ounting of boards, equipment, groups and entire machines (with BOM management, from prototypes to serial production)
- F**inal assembly and testing of equipment and related certification
- L**aboratory for precompliance tests
- PLC** automation



ELSYD srl, formed in 2012 as a union of valuable experience, sets as its objective the provision to SMEs and large industries of mechanical and electronic design services. This service is extended to the whole series of activities that enables us to provide, starting from the customer's request, a finished product "ready for market need.

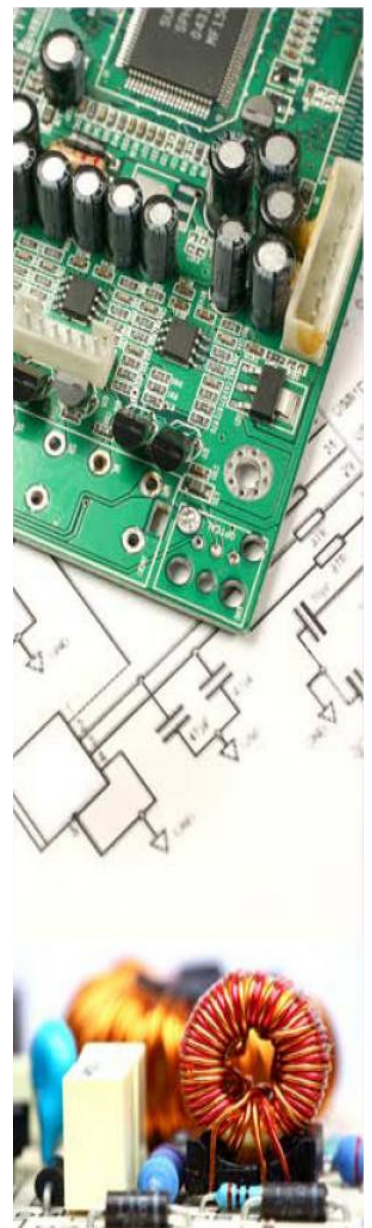
The organization of the company production system provides the customer the ability to access at any level of technical and commercial activities provided by ELSYD; with the certainty of receiving the highest standard of quality, professionalism and competence.

ELSYD has currently a staff of professionals and technicians with proven experience, dynamic, competent, proactive and highly oriented to customer satisfaction. The activities and the products follow the guidelines both technical and organizational dictated by the European Union and major international regulatory bodies.



**Some of the areas in which we have gained experience...**

AUTOMATION	Automatic assembling machines Machines for processing plastics materials Hybrid Circuits handling machines Testing machines (ATE, ICT, functional) Automatic Lathe machines HF micro welding machines
ENERGY CONVERSION	DC/DC, DC/AC, AC/DC power supplies DC, AC, Stepper motor drives Photovoltaic & Wind field generators Industrial battery chargers
SENSOR	Miscellaneous Sensors for weather station Level sensors Tilt sensors Temperature Sensors (micro welding joint application)
AUTOMOTIVE	Electrical Vehicle dashboards Forklift Check-control Electronic throttle pedal Multimodal steering control Functional parameter control systems CAN, LIN, ISO9141 Interfaces Systems for automatic diagnosis Solutions for sustainable mobility
AGRICULTURAL	Automatic irrigation control Thermal conditioning Environmental sensors Automatic activation "scheduled maintenance" for operating machines
DATA COLLECTION	Wastewater controllers Environmental pollution level Controllers
ACCESS CONTROL	Gates for access control of people Access control of protected areas Visual inspection of the protected areas Infrared image detectors
CONSUMER	Dosing Systems Semi-automatic installations for the purification and distribution of drinking water
ELECTROMEDICAL & SCIENTIFIC INSTRUMENTATION	acquisition of physiological parameters for hyperbaric medicine Measuring the reaction time in hostile environments Confrontational activities Analyzers Analyzers of motor activity Equipment for psychotechnics Postural balance Analyzers Equipment for automatic infusion



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