



Automation



Technical consulting



Engineering



Instrumentation



E.S.A. – Engineering Systems & Automation s.r.l.

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The Company E.S.A. s.r.l. was established in 2004 by more professionals with decades of experience in industrial automation, instrumentation, electrical engineering and installing electrical, in many industrial environments in Italy and abroad.

The company currently it places in a variety of industrial contexts, such as steel, power generation, mining refining and processing of oil and gas, production and transportation cement and dust, drinking water treatment, industrial wastewater and sludge, rubber processing and molding resins, the food industry.

The comparison of issues and business realities so different has resulted in exponential growth in the experience and technical knowledge to make available to its customers. For these reasons, the E.S.A. s.r.l. today, placing on the market as a system integrator, is able to meet all requirements for industrial automation, using the most advanced technologies on the market.

In order to offer its customers reliable and high quality standards, the company has enhanced its capabilities with a network of partnerships with companies and consultants with a high professional profile.

E.S.A. s.r.l. therefore offers a wide range of services in all industries

- Development of control software (PLC and DCS)
- Development of monitoring software (HMI and Level 2)
- Calibration of electrical and instrumental plants
- Technical assistance and commissioning
- Training pre and post starting
- Maintenance of automation, control and regulation systems
- Supervision and coordination activities
- Electrical design, instrumentation and automation

Our engineers have developed expertise and a proven know-how in various fields and are therefore able to follow all the different project phases, from the definition of functional specifications to the commissioning of the plant. In addition to having knowledge of all major brands of PLC / DCS and SCADA, are able to build custom applications to meet all customer needs.

Services offered:

- Development of software for DCS systems
- Development of software to PLCs
- Development of HMI (Human Machine Interface) and SCADA systems
- Commissioning
- Implementation of remote systems based on GSM, GPRS, WIFI
- Development of protocols and interfaces for data exchange between different IT levels
- Implementation of acquisition, storage and data processing systems
- WEB-applications and reporting
- Drive System
- Design, implementation and networks configuration
- Configuration of measurement systems
- Home Automation Systems based on KNX and proprietary protocols

The versatility and skills of all our technicians enable timely interventions at the customer:

- Maintenance of Automation Systems
- Technical assistance on the PLC, drives, networks, etc..
- Assistance and coordination of emergency activities
- Technical Consulting
- Fault Analysis , reporting of the automation systems

Our experienced technicians and the aid of the external collaborators, allow E.S.A. S.r.l. to offer all the services typical of an engineering consultancy alongside and supporting the organizational structure of the customer, or working independently and taking on entire sections of the project, if requested by the customer:

- Basic design and final assembly of industrial electrical systems in MT and BT
- Basic design and final assembly process instrumentation systems
- Basic design and final assembly systems, Automation and Supervision
- Feasibility studies and industry consultant for the drafting of implementation specifications
- Design, implementation and networks configuration
- Design, construction and calibration of control systems
- Assistance for the assembly of instrument systems and site management

We have implemented and commissioned our main automation systems in the following plants:

- Alenia-Grottaglie - (TA) - Italy
- Avant Factory Automation S.R.L Travo (PC)
- Brunocem srl - Corigliano Calabro (CS) - Italy
- Cementir - (TA) - Italy
- Cementir -Arquata -(AL) - Italy
- Conglomerates Faggiano (TA) - Italy
- Enel - Sulcis - (CA) - Italy
- Eni - Viggiano (PZ) - Italy
- Fiat - Melfi - (PZ) - Italy
- Ilva - (TA) - Italy
- Ilvaform- (SA) - Italy
- Water purifying - San Vito (CA) - Italy
- Sanofi Aventis - (BR) - Italy
- Mobile substation conversion Re David (Ba) - Italy

- Ave Industries-(Australia)
- Gas compressor stations Dushanzi (China)
- Gas compressor stations Kampung Tok Arun (Malaysia)
- Kranbau Koethen -(Germany)
- Gas compressor stations Krasnodar (Russia)