



SMART AUTOMATION

COMPANY PROFILE

WHO WE ARE

Our basic field of activity is industrial automation systems configuration, commissioning and maintenance. We have experience with products from Rockwell, ABB, Siemens and we were involved in jobs all around the world.

In the last years our engineers were involved in big projects for design, pre-commissioning, commissioning and maintenance activities, in Europe, Middle East, North Africa and Asia countries.

Field of activities

- Hardware Engineering
- Software Engineering
- Software Configuration
- Commissioning
- Training
- Project management
- Consulting
- IT&C
- Electrical Installations

SERVICES

Hardware Engineering

In DCS, F&G & ESD systems Hardware engineering activities we provide all steps of a complete automation project and realization

Process Analysis for Automation Equipment Decision

Based on our vast experiences in configuration on different automation systems, and from the Industrial process to control, we guide the customer to choose the better automation system and general equipment, based on his requirements and the budget available. Our vast experience gives us the opportunity to offer good advice in the choosing moment of each part of the Automation systems.

Hardware DCS Cabinets Engineering

Our technical department can develop the hardware engineering to construct any type of cabinets, either automation or electrical.

Hardware Marshalling Cabinets Engineering

For any requirements of barriers and interconnections engineering, our technical department can design the best configuration in physical space of view, performance and functionality in service maintenance.

SERVICES

Software Engineering

In DCS Engineering activities we offer all steps of a complete automation project and realization:

Automation Specification Development

We can write technical specifications for DCS configurations for any industrial project fixing the customer requests in a clear basic document. We can use our experience to write specifications used for Offer requirement and FAT testing.

Software Configuration

In DCS Configuration activities we follow standard quality procedures, following our usual big customer requirement:

I/O Database implementation

Wiring diagrams

Basic automation

Control software for open and close loop (motors, valves, PID) and safety control, with relevant operator interface, using all standard automation languages: Structured Text, Function Blocks, Ladder Logic, Machine Languages, Sequence Pascal, etc.

Graphic interface pages

Complete development of graphic interface.

Sequence control

Also with batch experience.

Serial communication configuration

With deep experience in Modbus, Spabus, Profibus, Foundation fieldbus etc.

SERVICES

Commissioning Activities

In DCS commissioning activities we follow standard quality procedures, following our usual big customer requirement:

Field installation Activities

Power up DCS with electrical wiring checking.
Preliminary Electrical I/O testing.
Instrumentation Loop checking.
DCS Commissioning

Upon request we can follow also Automation Hardware system positioning and erection.
We have very good consultancy skills and we can follow from the first step in the plant as Automation Site manager.

Training courses

In Training activities our experience is vast, involved as trainers for major Automation companies. Our organization can do trainings starting from engineering basic, medium, high level and also Operator training.

The languages available at the moment are

English
French
Italian

SERVICES

IT&C

Communication infrastructure is the key element of a good functioning of any type of data and voice communication system. In the context of globalization and of the need to access information in real-time, many companies become aware of the major role that communication infrastructure has in performing an efficient activity.

For the communication infrastructure Smart Automation's offer includes the following solutions and services:

- Structured cabling
- WAN, LAN, WWAN, WLAN networks
- Network active equipment
- Network passive equipment
- Unified VoIP and telephone equipment
- Unified communications solutions
- Videoconference systems

Electrical Installations

We provide complete installations for performing low voltage installations, force electrical panels, safety supply of electric UPS, depending on the project and the construction of each location. The basic principles for building these solutions are to render efficient energy consumption and to increase the level of comfort.

With the help of its specialists, the company provides the design and integration of electrical installations in areas such as: low voltage installations, force electrical panels, safety supply with high power UPS.

EXPERIENCE

Automation DCS Experiences

We had direct experiences in developing, programming and commissioning the following automation systems:

- ICS Triplex - ICS Trusted system
- Rockwell RsLogix 500, 5000 and Wonderware
- Rockwell RsLogix 500, 5000 and Factory Talk
- Rockwell AAdvance Controlers
- ABB Industrial IT - AC800F and Digivis.
- ABB Industrial IT - AC800F and Tenore OS (PGP/ Symphony+).
- ABB Industrial IT - AC800M and PGP.
- ABB Industrial IT - AC800M and 800xA.
- ABB Industrial IT - PlantGuard ESD system.
- ABB Industrial IT - Melody.
- ABB Industrial IT - Harmony, Symphony, Symphony + .
- Foundation Fieldbus used with ABB Systems
- Siemens Simatic Step7
- Siemens Simatic Step5
- Siemens Drives - SINAMIC Plattform
- Rockwell Drives - PlattformPF70, PF40, PF700 family drives and with SEW Drives for motor control.
- Allan-Bradley PLC

