1. Company
   1.1 The Story
   1.2 Mission
   1.3 Profile
   1.4 Certifications

2. Solutions
   2.1 Control System Integration
   2.2 Engineering
   2.3 Production
   2.4 Electrical & Instrumental erection
   2.5 ATEX Solutions
   2.6 SIS Solutions

3. Services
   3.1 Training
   3.2 Technical Support

4. Fields
   4.1 Fine chemical
   4.2 Pulp & Paper
   4.3 Oil & Gas
   4.4 Chemical - Petrochemical
   4.5 Power, green power, water treatment
   4.6 Metallurgic
   4.7 Food & Beverage

5. Contacts
Commitment and passion, steady growth

1974
First contract for control system, pulp & paper.

1987
New headquarter sasAutomation srl in Schio.

1992
First contract for control system, fine chemical.

2000
First contract for control system, water treatment.

2002
First contract for control system, power.

2003
First instrumental maintenance contract, fine chemical.

2004
First contract for general system, metallurgical.

2005
First contract for control system, oil & gas.

2006
Headquarter enlargement, new sales and administrative offices.

2008
First contract for control system, fine chemical.

2010
First contract above 2M€, oil & gas.

2012
First turn-key contract above 0.5M€, food and beverage.

2015
New headquarter offices, workshop, and warehouse.

Electrical Engineering Department was born
Software Engineering Department was born
Instrumental maintenance department was born
Electrical Engineering Department was born
Electrical-Instrumental erection department was born

Electrical Engineering Department was strengthened

Electrical construction department was born

SasAutomation srl was born
Mauro Gregori and Stefano Gregori’s sasAutomation srl was born
Mauro Gregori’s SAS was born
Cesare Gregori’s SAS was born

Employees 1 2 2 2 4 5 7 9 11 17 22 26 37

Employees 3 5 7 9 11 17 22 26 37

Commitment and passion, steady growth

First contract for control system, pulp & paper.

New headquarter sasAutomation srl in Schio.

First contract for control system, water treatment.

First contract for control system, power.

First instrumental maintenance contract, fine chemical.

First contract for general system, metallurgical.

First contract for control system, oil & gas.

First contract for control system, fine chemical.

First turn-key contract above 0.5M€, food and beverage.

New headquarter offices, workshop, and warehouse.
sasAutomation was born in 2000, responding to increasing technological demand required by the market in the field of process control automation.

The expertise of its founders that had previously started from troubleshooting and maintenance activities on field instrumentation and control valves, it quickly has developed in software integration activities for process control systems.

Afterwards the Company, strong of its results, focused towards the goal of providing “customer oriented” turnkey solutions. A target achieved day after day with continuous investments on internal staff training, use of advanced tools, attention to Quality, Environment & Safety themes.
sasAutomation is a Company providing engineering, integration and construction services to various industrial sectors including Oil&Gas, Petrochemical, Chemical-Pharmaceutical, Pulp & Paper, Metallurgical, Power, Water Treatment, Food and other fields where process plants need maintenance and optimization.

The Company owns a very strong team to provide engineering services, project management, and facilities for hardware assembling and testing, the right partner for End User or EPC contractor.

sasAutomation performs all activities in full respect of the law, in fair competition, with honesty and full respect of his Customers and Employees: their trust over the years is the best proof.
sasAutomation employs more than 35 resources; each one specialized in one or more of the following skills:

- Software Control System Configuration
- Hardware Engineering Development
- Electro-instrumental service staff
- Hardware Integration and Construction
- Hardware Field Installation

sasAutomation has a 800m² offices area for engineering, and a 1,000m² workshop area for systems assembly and test.
Integrated Quality Management System
sasAutomation established and follows an integrated quality management system for quality, environment, safety according with ISO 9001 (quality), ISO 14001 (environment) and OHSAS 18001 (safety), certified by TÜV Rheinland Italy.

IEC 61508 and IEC 61511
The company has TÜV Rheinland Functional Safety Engineers.
2. SOLUTIONS
Control System Integration

sasAutomation has a long experience related to hardware integration and configuration of automation systems. This experience has been developed with the most important world-wide vendors of PLC, DCS, ESD and F&G systems.

Provided services
- PLC & DCS Systems Hardware engineering and construction
- PLC & DCS control software configuration
- HMI configuration of control systems
- SCADA systems integration
- KPI / OEE process identification and on-line implementation on an informative platform
- Reverse Engineering activities on obsolete control systems for future migration
- Control Systems Test (FAT, I FAT, SAT)
- Commissioning & Plant Start-up assistance
- Editing of project documentation, SDS, FAT procedures, control system operator manuals, as-built documentation
Provided services

• Basic Engineering (process analysis, instrument definition and sizing, P&ID diagrams definition, etc.)
• Electrical and Instrumental Detailed Engineering
• Distribution and control electrical panels and plants engineering
• Traditional and field bus control systems and instrumental plants engineering
• Preparation of Data Sheet
• Preparation of PID, logic diagrams
• Preparation of P&ID drawings
• Preparation of cable tray routing & Pneumatic pipeline routing drawings
• Selection of instruments and control valves
• Preparation of MCC list & IB list
• Sizing of cables and preparation of cable list
• Preparation of hook up drawings, interlock diagrams
• Loop diagrams, Grounding / Earthing drawings

Engineering

In the complex reality of automation technology, sasAutomation is able to manage global projects and/or parts of them for the implementation of automation systems and process control, including:

Panel / console base frame drawings
• Control Rooms layout
• BOM preparation
• Preparation & selection of erection hardware specifications, I/O List, etc.
• Project Management
• Support for the specifications achievement and system validation in accordance with GAMP / FDA directives
• Engineering of Control Systems Cabinets
• Engineering of MV/LV transformers, MV/LV Power Center and Distribution Cabinets, MCC Command Cabinets, UPS systems, capacitance reactors, distribution busbars
• Instrumentation Plants Engineering (sensors, actuators, junction boxes, field buses, etc.)
• Electrical Plants Engineering (control, distribution, services)
Production and supply activities

- Control System Cabinets
- Marshalling Cabinets
- Local Control Panels
- Junction boxes
- MV/LV transformers
- MV/LV Power Center and Distribution Cabinets
- MCC Command Cabinets
- UPS systems

Manufacturing of system and power control cabinets requires a high level of know-how in the field of electrical automation. Based on its professional skills, sasAutomation’s system and power control cabinets are tailor-made configurations to each customer individual requirements and are built with first class hardware components from the world’s leading manufacturers.

For each job we put together a specialised team charged with making sure that the customers receive system and control cabinets, Power Center and Motor Control Center, junction boxes, pneumatics cabinets built, tested and functioning according to the design.

Our production includes cabinets and enclosures for classified areas ZONE 1 and ZONE 2 according with ATEX 04/9/CE directive, with Ex-p, Ex-d, Ex-e, Ex-n method of protections and many construction material for indoor or outdoor installation.

All products offered are finally integrated with Certificate of Conformity and Marking according to the international standards (CE, UL/CSA, EAC, INMETRO etc...)
Electrical & Instrumental erection

Electrical supply, erection, testing, commissioning and modifications to existing installations for both safe and ATEX classified areas:
- Supply and installation of cable trays
- Supply, laying, glanding, termination, connection, testing and commissioning of power, control and communication cables
- Supply, installation, connection, testing and commissioning of junction boxes and lighting equipment
- Electrical works for commissioning and pre-commissioning activities
- Special maintenance, health checking during plant shutdowns
- Annual operations, maintenance contracts and rate contracts for electrical works

Instrumentation and Valves - Supply, Erection, Hook-up, Testing, Commissioning and Modifications to existing installations for both safe and ATEX classified areas:
- Engineering and supply of process and safety instrumentation and valves
- Hook-up primary and secondary engineering and works
- Field and Panel Instrumentation
- Control and ON/OFF, process and shutdown valve
- Fire & Gas Instrumentation
- Testing and Calibration Instruments
- Special maintenance, health checking during plant shutdowns
- Annual operations, calibration and maintenance contracts and rate contracts for instrumental works
sasAutomation offers services for process industries to design, supply and install electrical equipment for hazardous areas, suitable to requirements and complying with ATEX 94/9/EC Directive. sasAutomation offers complete studies of hazardous area classification according with ATEX 94/9/EC Directive, with care about giving the right safety level (Zone 1, 2, 21, 22) and assuring as first the respect of the rule.

Technical Advice
- ATEX 94/9/EC Directive: equipment and protection method
- Engineering, inspection activity, and training
  - Area classification
  - Installation in hazardous area
  - Intrinsic safety systems
  - Maintenance inspection
SIS Solutions

sasAutomation offers engineering services and complete supply for process industries to design, implement and operate a Safety Instrument System (SIS) suitable to requirements and complying with safety international standards.

Thanks to the knowledge of available technologies and familiarity with standards, our Company determines the automation solutions that satisfy in the best way the SAFETY and RELIABILITY requirements, enabling customers to protect their own plants and to increase the productive efficiency.

Our Company offers a comprehensive consulting / supplying service to support all instrument safety system (SIS) during all phases of lifecycle:

- Feasibility study
- Specification & Design
- SIL analysis, verification & validation
- Supply of ESD control systems
- Supply of HIPPS systems
- Management & Maintenance
3. SERVICES
sasAutomation qualified tutors provide training services in the following areas:

- Control Systems Architecture Design
- Operative and Maintenance training on specific control systems
- Field instrumentation and control valves principle of work and technologies
- ATEX 94/9/EC Directive: equipment and method of protection
sasAutomation offers a wide range of services and is able to support the customer during the construction phases of the plant, including installation, start-up and maintenance.

Installation services

- MV/LV Plants Installation
- Yard Supervision And Management
- Pre-Commissioning
- Commissioning
- Start-Up Assistance

Maintenance services

On site:

- Preventive Maintenance Assistance
- Corrective Maintenance Assistance
- Quality Control of the Instrumentation installed on the plants (Standards ISO 9001, ISO 14001, FDA)

In our workshop:

- Maintenance and Calibration of Electronic and Pneumatic Equipment (transmitters, controllers, converters, control & block valves)

Plant Documentation services:

Editing and maintenance of Plant Operation and Maintenance Documentation is a relevant activity held with the partnership of the plant operation personnel. In particular:

- PFD and P&ID’s drawing up and revision
- Operating Manuals for Automated Plants
- AMS software implementation and management service for optimized maintenance of plant
- Instrumental datasheet preparation, revision, and plant database management
Fine chemical industry is one of the reference markets for sasAutomation. FDA/GAMP rules have rendered automated processing a key success factor of this sector and sasAutomation can render this scenario an easy to reach opportunity.
The value of sasAutomation service and proficiency are known among all the major Italian paper mills and some abroad. sasAutomation has actually been operating within the pulp & paper sector for many years and possesses an in-depth knowledge of the process of preparation and production.
sasAutomation has matured skills about DCS / ESD / F&G control systems of upstream and downstream plants. Our on-shore and off-shore references are related to turn-key jobs of metering skids, HIPPS systems, gas treatment production packages, tank farm monitoring and safety systems.
Common applications of [sasAutomation solutions for chemical industry are]: continuous distillation, batch distillation, vent gas treatment, resins mixing, solvent recovery, hydrogen production, technical gases production/purification, drying of organic products, and incineration of solid/liquid/gas waste.
sasAutomation has achieved control systems (DCS, ESD, SCADA) and has instrumental maintenance services for power plants (cogeneration, trigeneration, etc...) whether from traditional sources or renewable sources (biomass, biogas, photovoltaics). Moreover, it has developed particular knowledge in the field of civil and industrial water treatment plants, with relevant control and supervision systems, MCC, power center cabinets and distribution cabinets engineering and supply.
Higher demands on steel quality and increasing costs of raw materials require a highly standardized process control and an optimum usage of the available resources. The experience of sasAutomation in the metallurgical industry ensures the supply of instrumentation, electrical plants, automation systems and maintenance services for thermal treatments, water treatment, process and handling plants. sasAutomation Level 0, Level 1 and Level 2 automation systems are focused on quality, safety and environmentally-friendly results.
sasAutomation provides superior solutions for the Food and Beverage sector where reaching the standard required needs perfect monitoring, control, reporting, OEE, trending and alarming. It is essential in any Food and Beverage Processing business to maintain efficiency and satisfy FDA report requirements and this is what sasAutomation does with its customer-tailored solutions.