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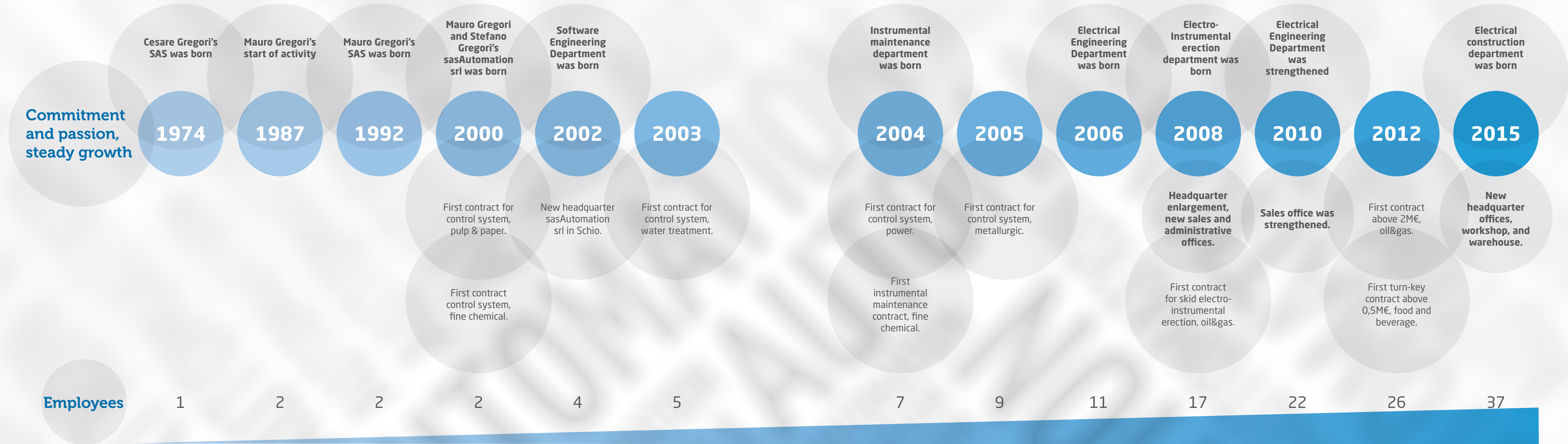
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1. COMPANY

The Story

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.



Mission

sasAutomation is a Company providing **engineering, integration** and construction **services** to various industrial sectors including Oil&Gas, Petrochemical, Chemical-Pharmaceutical, Pulp & Paper, Metallurgic, 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.

Profile

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.

Certifications

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.

Certificato

Norma **BS OHSAS 18001:2007**

N° registro certificato 01 113 060413

TÜV Rheinland Cert GmbH certifica:

Titolare del certificato: **sasAutomation S.r.l.**
Via Lago di Costanza, 31/C
I - 36015 Schio (VI)

Campo di applicazione: Progettazione, installazione e manutenzione di sistemi elettronici per il controllo di processi industriali. Gestione, manutenzione e taratura di strumenti per il controllo di processi industriali. Montaggi elettrostrumentali per il controllo dei processi industriali

Mediante un audit, rapporto N° 060413 è stata conseguita la dimostrazione che le prescrizioni della norma BS OHSAS 18001:2007 sono soddisfatte.

La data di scadenza per tutte le prossime verifiche è 31-08 (dd.mm).

Validità: Questo certificato è valido dal 2013-12-01 fino al 2016-11-30.

Prima certificazione 2010

2013-10-21


TÜV Rheinland Cert GmbH
Am Grauen Stein - 51105 Köln


Deutsche
Akademie
für
Qualitätsmanagement
DIN EN ISO 9001:2008

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Certificato

Norma **ISO 14001:2004**

N° registro certificato 01 104 087382

TÜV Rheinland Cert GmbH certifica:

Titolare del certificato: **sasAutomation S.r.l.**
Via Lago di Costanza, 31/C
I - 36015 Schio (VI)

Campo di applicazione: Progettazione, installazione e manutenzione di sistemi elettronici per il controllo di processi industriali. Gestione, manutenzione e taratura di strumenti per il controllo di processi industriali. Montaggi elettrostrumentali per il controllo dei processi industriali

Mediante un audit, rapporto N° 087382 è stata conseguita la dimostrazione che le prescrizioni della norma ISO 14001:2004 sono soddisfatte.

La data di scadenza per tutte le prossime verifiche è 31-08 (dd.mm).

Validità: Questo certificato è valido dal 2013-12-01 fino al 2016-11-30.

Prima certificazione 2010

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CERTIFICATO

L'Organismo di Certificazione TÜV Rheinland Italia S.r.l. certifica, in accordo alle procedure TÜV Rheinland Group, che l'azienda

sasAutomation S.r.l.
Via Lago di Costanza, 31/C
I - 36015 Schio (VI)

ha istituito ed attua un sistema di gestione per la qualità relativo al seguente campo di applicazione:

Progettazione, installazione e manutenzione di sistemi elettronici per il controllo di processi industriali. Gestione, manutenzione e taratura di strumenti per il controllo di processi industriali. Montaggi elettrostrumentali per il controllo dei processi industriali. EA 19, 28

Mediante un audit, rapporto N° 0360603, è stata conseguita dimostrazione che il sistema di gestione per la qualità è conforme alla Norma

UNI EN ISO 9001:2008

valutato secondo le prescrizioni del Regolamento Tecnico ACCREDIA RT-05.

Fare riferimento al Manuale della Qualità per i dettagli sulle esclusioni rispetto ai requisiti della norma.

N° di registrazione del certificato: **39 00 6360603**.

Il presente certificato è valido dal 12/04/2014 al 11/04/2017.

La data di riferimento per le verifiche di sorveglianza annuali è (giornomese): 24/03

Milano, il 10/04/2014, Prima Certificazione: 06/05/2006


Elio Poletti

Il responsabile della Certificazione
TÜV Rheinland Italia S.r.l., Via E. Mattei, 3 - I - 20110 Pogliano Milanese (MI)

La presente certificazione si intende offerta agli aspetti gestionali dell'impresa nel suo complesso ed è utilizzabile ai fini della qualificazione delle imprese di costruzione ai sensi dell'articolo 8 della legge 11 febbraio 1994 n. 109 e successive modificazioni e del D. P. R. 28 gennaio 2001, n. 34.

Per informazioni puntuali e aggiornate circa eventuali variazioni intervenute nello stato della certificazione di cui al presente certificato, si prega di contattare il "Responsabile" +39 02 536 067.1 o l'indirizzo e-mail informazioni@tuv.com


SICQ N° 083A
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Pubblico Riconoscimento EA, IAF e ILAC
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 **sasAutomation**
Process Control & Industrial Automation

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, IFAT, SAT)
- Commissioning & Plant Start-up assistance
- Editing of project documentation, SDS, FAT procedures, control system operator manuals, as-built documentation

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:

Provided services

- Basic Engineering (process analysis, instrument definition and sizing, P&I 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 pipe line routing drawings
- Selection of instruments and control valves
- Preparation of MCC list & JB list
- Sizing of cables and preparation of cable list
- Preparation of hook up drawings, interlock diagrams
- Loop diagrams, Grounding / Earthing drawings
- Panel / console base frame drawings
- Control Room 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

Manufacturing of system and power control cabinets requires a high level of knowhow 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 worlds 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 94/9/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...)

Production and supply activities

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

Electrical & Instrumental erection

Electrical supply, erection, testing, commissioning and modifications to existing installations for both safe and ATEX classified areas

- Supply and installation of cabletrays
- 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

ATEX Solutions

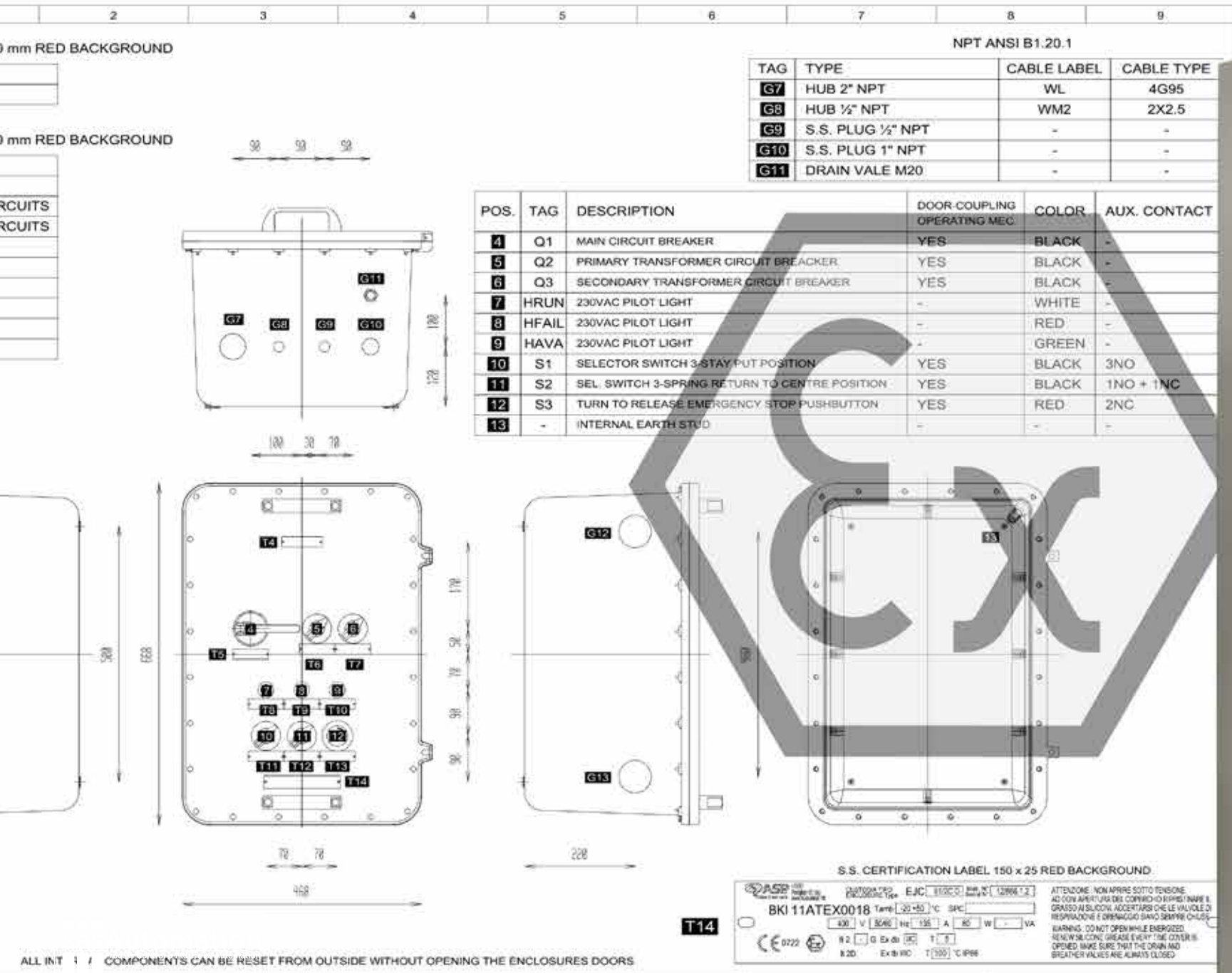
sasAutomation offers services for process industries to design, supply and install electrical equipment for hazardous areas, suitable to requirements and complying with ATEX 94/9/EC Directive. **sasAutomation** offers complete studies of hazardous area classification according with ATEX 94/9/EC Directive, 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

Training

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



Technical Support

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



SCANNING

SEARCH

COMPLETE

ANALYSIS

SEARCH

ANALYSIS

4. FIELDS

Fine chemical

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.



Pulp & Paper

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.



Oil & Gas

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.



Chemical – Petrochemical

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.



Power, green power, water treatment

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, photovoltaic). 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.

Disterenergia

VEOLIA
WATER
Solutions & Services

Enel

Edipower

Romagna Acque

STC
POWER

Sofinter group

VARESE RISORSE SPA
Gruppo a2a

Metallurgic

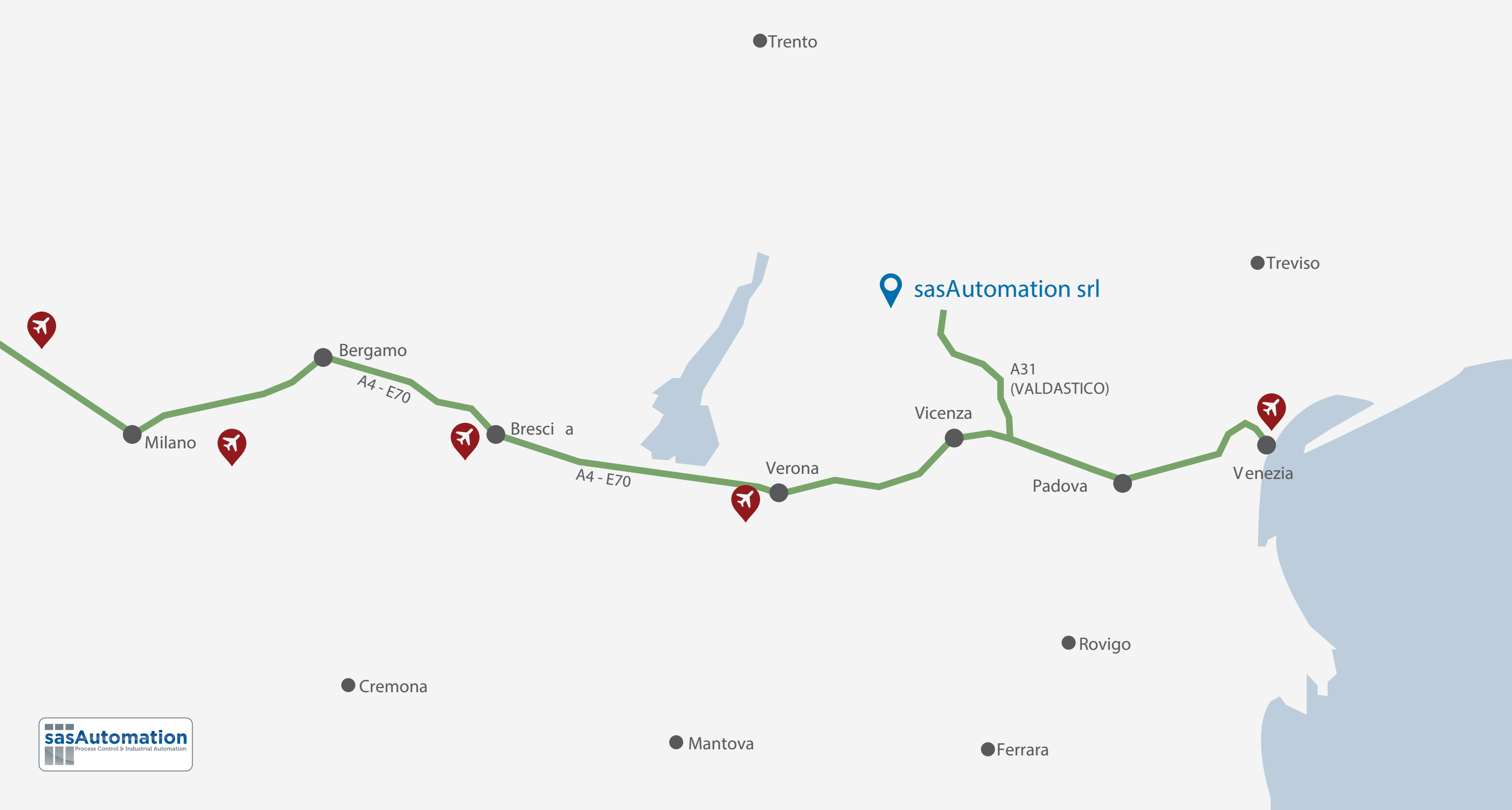
Higher demands on steel quality and increasing costs of raw material require a highly standardized process control and an optimized usage of the available resources. The experience of **sasAutomation** in the metallurgic industry ensures the supply of instrumentation, electrical plants, automation systems 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 environment-friendly results.

Food & Beverage

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.



5. CONTACTS



Contacts

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