

**AUTOCRATIC SOLUTION PVT LTD**

ADVANCED AUTOMATION

# Company Profile

**Autocratic Solution**

# Foreword

Autocratic is a leading provider of Advanced Automation products and solutions offering true knowledge and experience in delivering world-class automation and control solutions.

## We Improve Business Performance

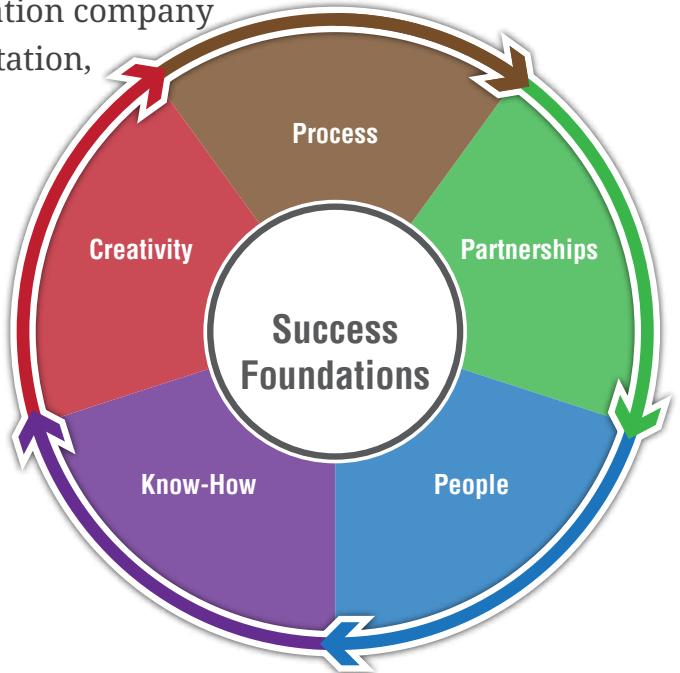
With solutions that increase safety and efficiency by applying industry-leading engineering and technical know-how, flexibility of thinking and resources to meet and exceed every client's expectations.





# About AUTOCRATIC

AUTOCRATIC is a quality driven advanced automation company that has been providing and implementing consultation, design, partial and turnkey automation solutions.



## Mission

We deliver state-of-the-art integrated automation and control solutions that optimally invest all available resources for an easier, safer, and environmentally friendly life.

## Vision

AUTOCRATIC vision is to be one of the top 10 automation solutions providers in the region.

## Values



We bridge the gap between ERP and industries



*“Simplicity is the ultimate sophistication”*

*– Leonardo da Vinci*



# OUR KEY INDUSTRIES

OIL & GAS

MINING & CEMENT

BUILDING AUTOMATION

FOOD & BEVERAGE

WATER & WASTEWATER

AGRICULTURE & IRRIGATION

# Mining & Cement



We offer systems, services and solutions for mining & minerals industries, including aluminium, iron, steel, cement and more. Our job is focusing on maximizing production, reducing operating costs and increasing profits while improve safety, reduce risk , and minimize resource requirements.

Our solutions address the needs of all stages of production, and help the producers to achieve production objectives, consistent quality, higher yields, increased throughput, and reduced operating costs.

- **Control System:** DCS, SCADA and PLC.
- **Instrumentation:** flow, pressure, level, temperature & registers.
- **Industrial Communications** including wireless systems.
- **Asset Management Solutions:** Barcode System “printer, scanner, labels...”
- **Safety Systems** including CCTV and Gas Detection.

# Food & Beverage



Automation and management of the machines and plants, allowing the food & beverage industries to improve productivity and profitability, whilst respecting safety criteria and protecting the environment, also thanks to our solutions which will supporting energy efficiency.

We are therefore the ideal partner for all companies operating in the “Food & Beverage” sector, to whom it is able to guarantee full professional and effective assistance.

- Quality control (image processing).
- Instrumentation solutions and services (flow, level, temperature, pressure and analytics).
- Monitoring and control (PLC, SCADA,... etc.).
- Safety systems.
- Total solution for silos.



# Agriculture & Irrigation



The new irrigation systems are totally automated and incorporate the latest innovative solutions on irrigation programming and managing through telemetry and control systems and using RTUs; which became a very common application with the innovation of UHF and VHF wireless modules.

## **Benefits:**

- Monitoring and performance reporting.
- Wireless applications: Savings in communication costs and resources.
- Preventative maintenance: Pumping station operators to respond more rapidly (real-time) to station malfunctions, breakdowns and other system disruptions.
- Full control (availability & quality) of the network: any time, anywhere.
- Optimizing water resources.
- Scheduled reporting

# Water & Wastewater

Proven and Tailored Water/Wastewater Solutions

We provide proven control and operational solutions for Water and Waste Water treatment plants; including:

- PLC-based control systems
- Flexible operation and monitoring:
  - SCADA for complete graphical control and monitoring of the process
  - Maintenance driven programs
  - Real time data gathering, displaying, archiving, reporting, and operation points setting for the plant.
- Analyzing system (PH, O<sub>2</sub>, conductivity, turbidity).
- Instrumentation (level, flow, pressure and temperature).



# Product Brochure



# Building Automation



**GREEN  
INSIDE**

Our Integrated Building Automation Solutions are designed to simplify the complex tasks of managing and protecting industrial, commercial and residential buildings.

We implement solutions tailored for existing buildings, as well as, newly developed buildings and complexes for efficient Facilities Management in:

- Building management system (BMS & HVAC).
- Security systems:
  - Video surveillance system.
  - Intrusion alarm system.
  - Access control system.
- Life safety systems:
  - Fire alarm.
  - Public address and voice alarm.
  - Gas detection.
  - Power management.
- RFID tracing Systems.



# Oil & Gas



**Our solutions for the Oil & Gas industry include:**

- Control and monitoring: DCS, SCADA, HMI, PLC, ESD, BMS, F&G.
- Tank Gauging and Inventory Management.
- Terminal automation System.
- Fuel automation solutions.
- Pipelines leak detection monitoring system.
- Fiscal Metering Station (FMS).
- Control rooms and dispatching centers.







# SERVICES



# EPIC Projects

The pre-engineering studies, electrical, control, networking, mechanical, civil engineering works and after sales services.

# Our Services

- Instrumentation Services
- Panel Building
- Electrical Field Services
- Engineering:
  - » Consultation and Studies
  - » Project Management
  - » Installation and Commissioning
- Training, Maintenance and Technical Support
- Business IT Solutions

# Instrumentation Services



We are a leading supplier of industrial measurement and automation equipment, providing services and solutions for industrial processes all over the world. We offer comprehensive process solutions for flow, level, pressure, analysis, temperature, recording and digital communications across a wide range of industries, optimizing processes in regards to economic efficiency, safety and environmental protection.

## Areas of Activity

Our Instrumentation department at Autocratic can accompany you in the Instrumentation Service by providing the following:

- Site survey and requirements collection
- Basic and detail engineering
- Installation and commissioning
- After-sale services:
  - Local service contract
  - Help desk
  - Repair and replacement service
  - Maintenance / recalibration
  - System optimization
  - Training

# Panel Building



Through the accurate design and the detailed requirements gathering, a correctly specified control and automation panel can truly become an asset for increased productivity, profitability, and ease of maintenance for the end user. We are ready to perform:

- Electrical Design.
- Professional assembly:
  - Cable management.
  - Thermal performance.
  - Metallic or nonmetallic enclosures.
- Factory Acceptance Test (FAT).
- Site Acceptance Test (SAT).

# Electrical Field Services



Our staff of experienced engineers and technicians can assist in a wide range of Electrical Field Service that includes installation and maintenance (predictive, preventive, and on-site repair).

- Project management
- Turn key projects
- Cabling service
- Electrical systems repair
- Fault locating



# Engineering



As a professional consultative services provider on control, automation, and instrumentation we take full responsibility for defining the targets, discovering the options and making an informed system decision in order to provide complete customer satisfaction.

## » Consultation and Studies

- Site survey.
- Recording and analysis of the requirements.
- Design study.
- Project schedule.
- Functional specification for the control system.
- Control strategy and operational concept.
- List of IOs and components.
- Measuring point descriptions with corresponding process information.
- Network design.
- Electrical diagrams.
- Selection of devices and components.
- Cabinet design and construction.
- Programming of controller.
- Design and configuration of the HMI/SCADA system.
- Network configuration.
- Documentation, e.g. detailed measuring point descriptions, installation instructions.
- Factory Acceptance Test (FAT).



## » Project Management

Project Management Office (PMO) focuses on realizing the defined project within the agreed quality, time, and cost requirements. Managing the internal and external resources in an efficient way to best suit the interests of the customers is one of most important goals of our PMO.

Through our PMP (Project Management Professional) certified engineers we are able to supply customers with complete turnkey automation projects.

## » Installation and Commissioning

After the Factory Acceptance Test, with the assistance of our engineers, the system is installed, cabled and commissioned in full compliance with industrial guidelines. It is handed over to the customer after successful completion of a Site Acceptance Test (SAT).

- Installation and cabling
- Loop tests
- Commissioning (including system integration, device configuration, and testing)
- Site Acceptance Test (SAT)
- Hand-over of complete documentation
- Training of staff



# Training, Maintenance & Technical Support

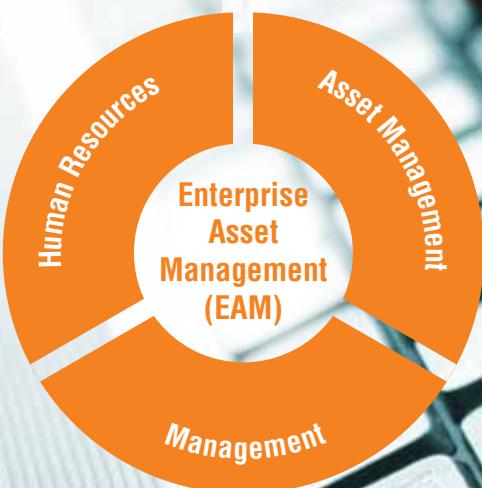
Autocratic's Maintenance and Technical Support service is dedicated to assisting operators in running their plant, building, or factory.

Every maintenance contract is adapted to our customers' needs by taking into account the plant's operating requirements (lifetime, required availability rate), as well as the maintenance policy.

## Maintenance and Technical Support:

- Repair of electronic modules
- System upgrade solutions
- Supply of spare parts
- Technical assistance by automation experts
- Remote maintenance
- Site visits upon call with guaranteed lead time
- Specific training on site or in our training centers
- On-site preventive maintenance and adjustment inspections
- Engineering contract agreement

# Business IT Solutions



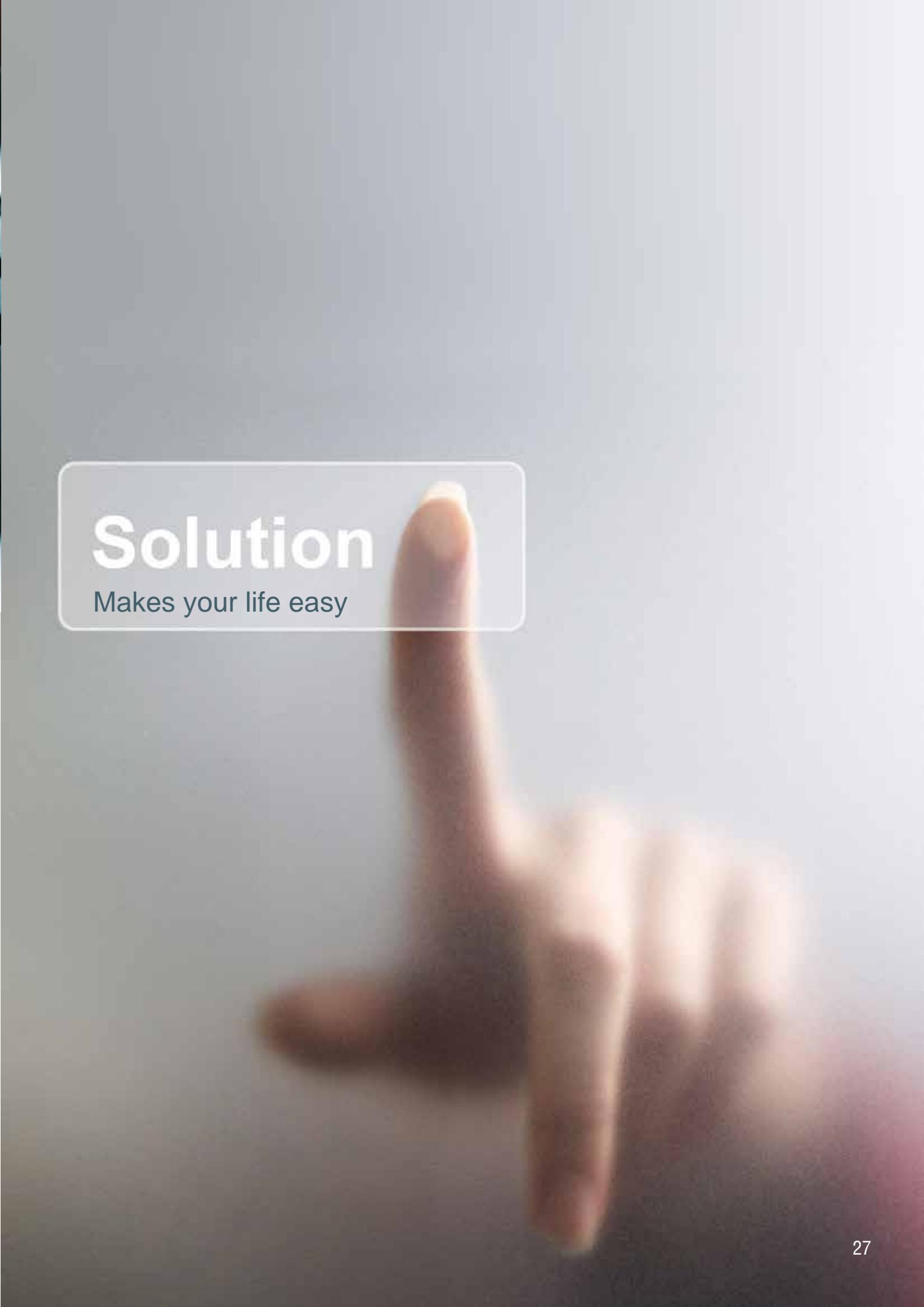
As a response to the increasing competitive pressure, it is more important than ever today to make full use of all optimization opportunities - over the entire life cycle of any process: starting with planning and engineering, continuing into operation and maintenance right through to expansion and modernization.

With our advanced automation solutions, the requirements (added value) of efficient configuration, faster integration and commissioning, greater flexibility in production and higher availability and energy savings can be implemented efficiently.

From automation to the ERP level, we offer you expert support worldwide based on our extensive IT knowledge, our industry expertise and our global partners. Our services include consulting, planning, engineering, commissioning and project management for the installation, modernization and implementation, training and execution.

## Our portfolio includes:

Integrated Central Fuel Automation System, Intelligent Traffic Management Systems Traffic Intelligent , Total Building Solutions, Fleet Tracking and Management Solutions, Electronic Passport / Electronic Identification Cards, Smart Cards Solutions, Bus Management Solutions, Cereal Life-cycle Central Management Solution, Central Control Rooms / Dispatching Centers.



**Solution**

Makes your life easy

# Clients and References



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