AutomatiX

Excellence Through Innovation

CORPORATE BROCHURE

AutomatiX

Excellence Through Innovation



DCS - SCADA - BMS - EMS - iMCC - LV - MV



We make real what matters
by bringing the lastest innovations
in the fields of Automation & Power
to provide our clients with
state–of–the art engineering solutions
and world class technical services.
Ingenuity and innovation drive us.

AutomatiX Board

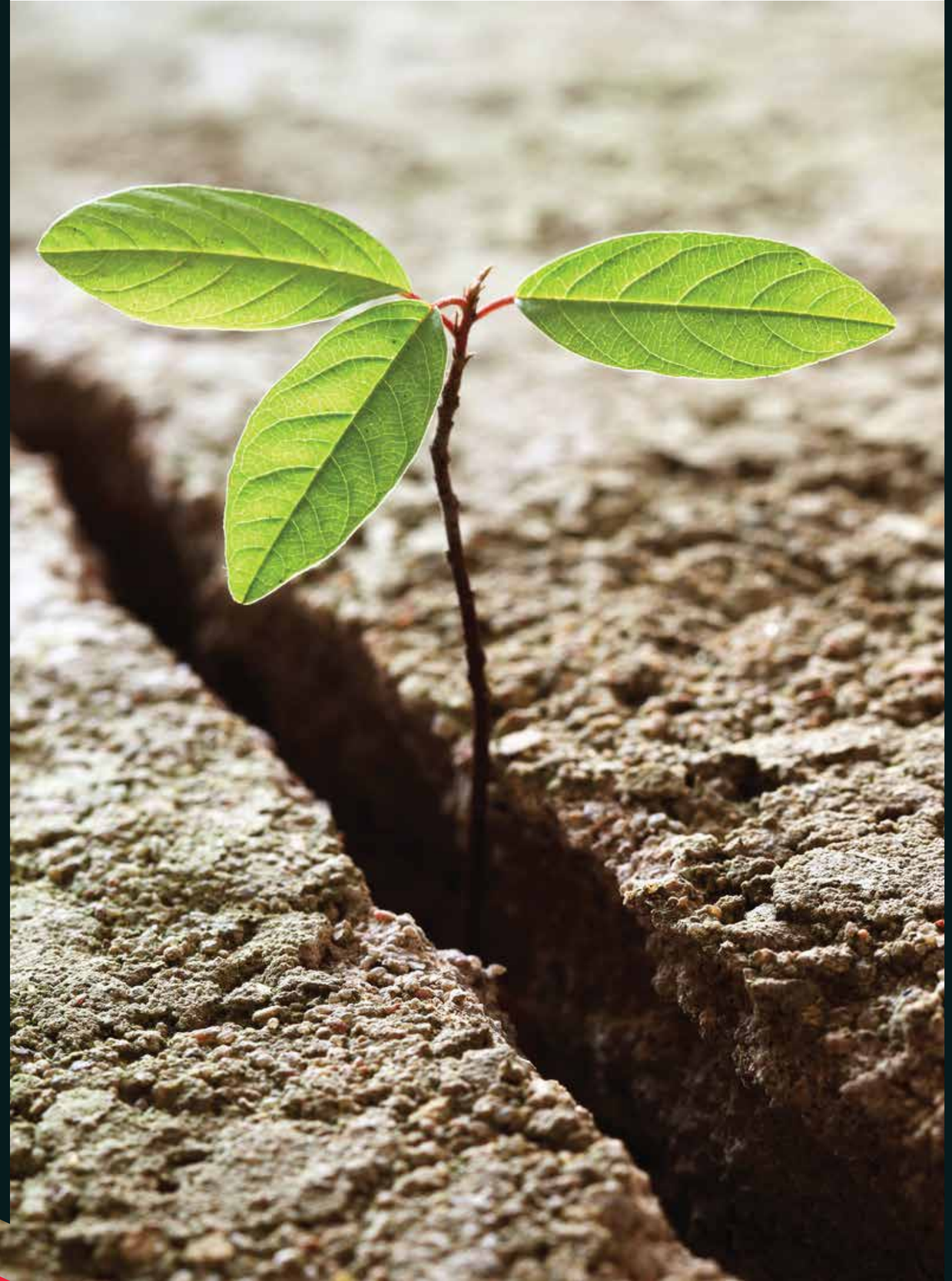
AutomatiX in brief

AutomatiX is a system integration firm founded in 2009, focused to provide innovative solutions in the field of automation and power and serving the Middle East, Gulf and Africa.

AutomatiX solutions cover the SCADA Systems, Distributed and Centralized Control System, Building Management Systems and Power Systems.
The implemented systems serve the oil & gas, pharmaceutical, water and waste water, telecommunication, industrial processes and more…

Within a rigid venture with SIEMENS, AutomatiX acts as Accredited Official Solution Partner for the German Leader in several offerings and in different territories.

Through its continuous development plan, AutomatiX engineering team is always ready to support the customer with the best of breed technologies, tailored to our customer needs and requirements while our team members are focused on their mission to EXCEL in serving their customers.



Automation & Power

Oil & Gas



Pharmaceutical/ Healthcare



Industrial



Telecom



Infrastructure



Water / Waste Water

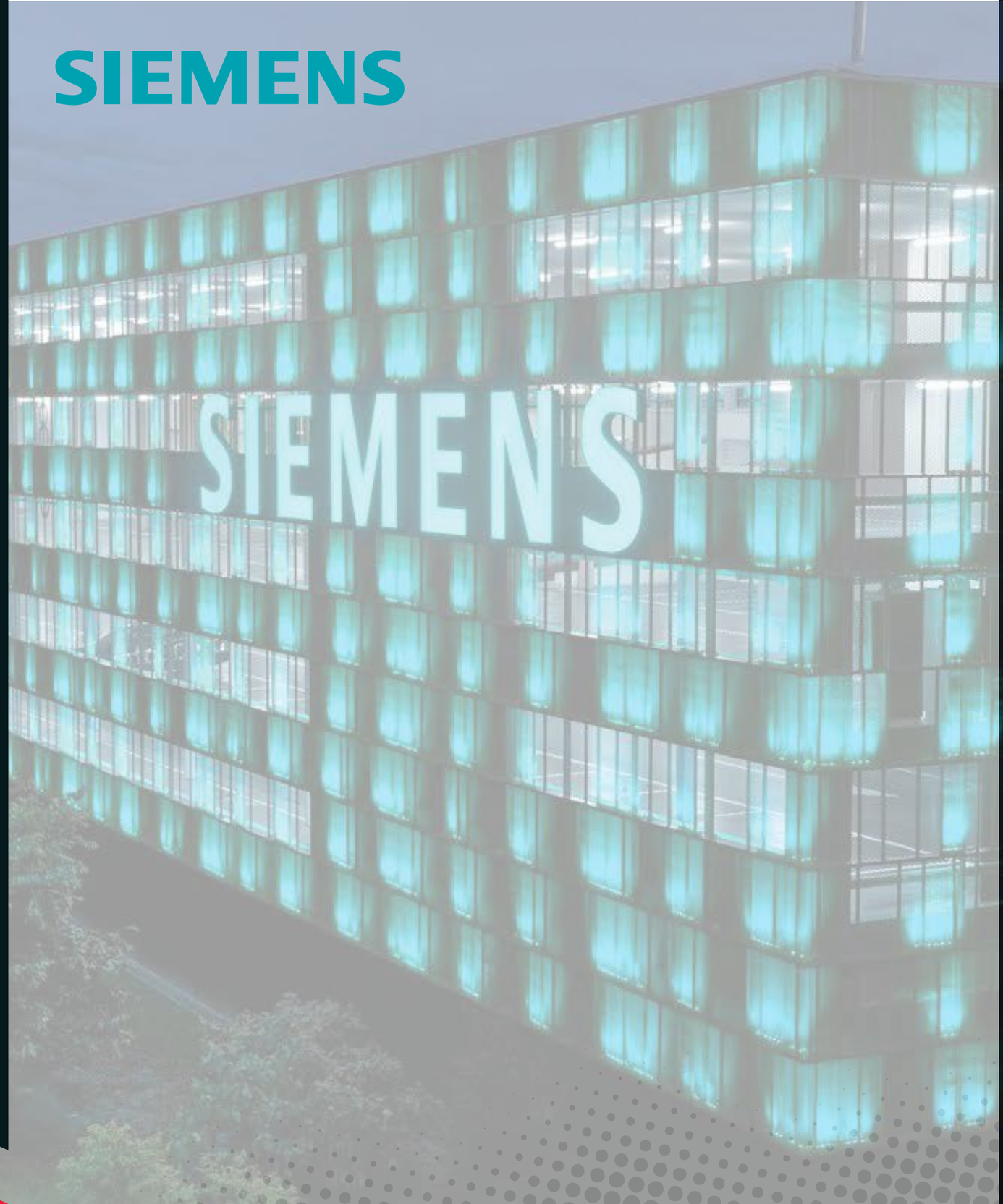


Our Partners

In every aspect of Supervisory Control, Building Management System, Security Systems, Fire Systems, Low Voltage and Medium Voltage, AutomatiX is totally relying on SIEMENS within a long term venture aiming to support our clients with the best means.

From planning to engineering, development, installation, and maintenance or pure product delivery – Siemens through AutomatiX skillfully serve your needs as experts, offering tailored services including engineering and commissioning works for projects of all sizes and complexity levels.

Selective partners are also supporting AutomatiX to provide innovative solutions, with offering that complement SIEMENS such as MTS, i2o, Logstrup, Rittal and many others.



SIEMENS

SCADA SYSTEMS - WINCCOA PVSS

etm Professional Control

SIEMENS

BUILDING TECHNOLOGIES

MTS

Logstrup

i2O

AX SCADA Systems

SIEMENS

SIEMENS SIMATIC WinCC Open Architecture

SIMATIC WinCC OA SOLUTION PARTNER etm

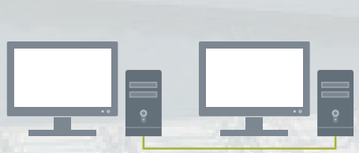
From the primary phases of conception toward the final stages of commissioning and modernization, AutomatiX team provides adequate solutions for the automation of the infrastructure in its different sectors. Our solutions encapsulate the required systems from the management level, supervisory level, automation and control toward the field level covering the instrumentation and motor control centers.

With its horizontal integration, our offering covers the OPC connectivity, centralized intelligence, distributed intelligence. Our systems are based on SIEMENS totally integrated solutions with its vertical integration that covers the automation of the complete process. The object-oriented SCADA system Simatic WinCC Open Architecture allows you to implement solutions tailored to specific customers. Saving valuable engineering time is top priority.

AutomatiX as Simatic WinCC Open Architecture Solution Partner supplies all the necessary tools and caters for users' needs. to raise the business to the next level.



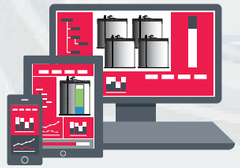
Single system



Multi system



Distributed system



Responsive design

Independent

WinCC Open Architecture is fully platform independent and available for Windows, Linux, iOS and Android.
Furthermore it is device independent, so you can use it on any client, such as desktop PC, tablet or smartphone.



Platform independent

Scalability

Every system can be configured as a single system, multi system or distributed system with up to 2,048 servers, 255 clients per server and several million tags. WinCC Open Architecture runs on any hardware - single board computers, industrial PC's, standard computers and also high-end systems.



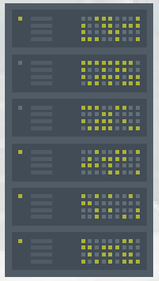
Single-board computers



Industrial PC



Standard computer



High-end server systems



Customizing

WinCC Open Architecture can be tailored to your specific requirements. OEMs also benefit from the opportunity to develop standardized solutions for their specific applications and various end customers. Brand labeling is supported, so brand names and own designs can be assigned.

Archiving

High-performance archiving of historical data enables complete traceability of system status. The system offers two different archiving solutions - archiving in value archives and archiving in an Oracle database.



Value Archives Oracle



Connectivity

WinCC Open Architecture offers a wide range of drivers: SIMATIC S7, S7-1200, S7-1500, XML, OPC UA, TCP/IP, Modbus, IEC 60870-5-101/104, DNP3, SINAUT, IEC 61850/61400, BACnet, Ethernet/IP, S-Bus, ...
Data can be exchanged with all common archiving- and database systems.



Efficient engineering

WinCC Open Architecture provides efficient engineering, for example through a consistent object orientation, mass configuration or wizards.



AX Distributed Control System

AutomatiX and in cooperation with Siemens provides complete solutions for DCS products, solutions, services for continuous or batch process industries, infrastructure, energy and utilities - delivered in collaborative control rooms.

Providing continuous operation and consistent product quality while reducing plant costs are only a few of the many challenges that the Process Industry is facing today.
The control system plays an important role in meeting those challenges. Siemens enables you to respond quickly to constantly changing market requirements through its user-friendliness, a high system availability, investment security, future-safe technology, together with a reduced total cost of ownership.







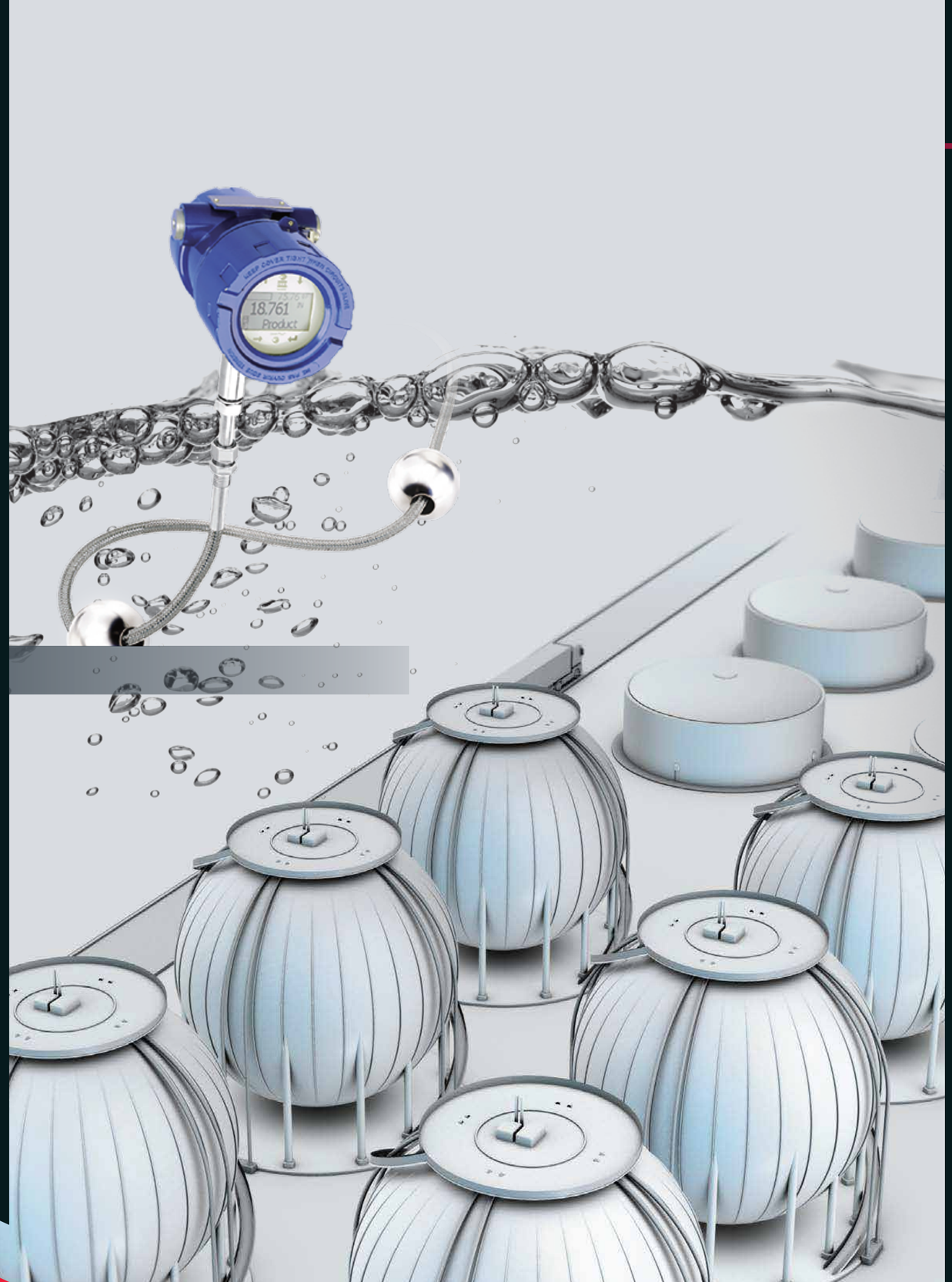
AX IIoT Process Instrumentation

As part of its technological views, AutomatiX provides its automation solution based on the newest industrial internet of things backbone.

AutomatiX IIoT and advanced instrumentation and control applications take a proactive, cost-effective approach to process reliability. Integrated system diagnostics continually monitor the production status to offer comprehensive system analysis at any time, on-site or remotely.

This key diagnostic information helps identify issues early on so you can quickly troubleshoot the system before anything can interfere with production.

Our solution guarantee the collection and processing of the information in a timely manner independently of the geographical position and station type to the control center where actions can be taken the same easy way.



Technologies for in-depth applications knowledge

- Level
- Volume
- Pressure
- Corrected Volume @ 15°C
- Temperature
- Density %
- Valve positioning
- RF ID
- Gas analytics
- Explosion Proof Ex
- Flow computing
- ERP/MIS Interface $
- Weighing
- Leak Detection

MTS®

AX Building Management System

Building Automation and Control Systems (BACS) are increasingly becoming more complex as the needs and requirements continue to grow.

AutomatiX offers optimized and ser-friendly building control solutions to schools, hotels, commercial centers, universities, hospitals, airports, institutional facilities as well as commercial, governmental and residential buildings.

AutomatiX develops reliable, cost-effective and integrated solution for these segments covering the HVAC, lighting, metering and access control.

From product research to service and support, AutomatiX target is to increase the energy efficiency while maintaining the full automation required to operate the new generation of smart buildings.



System Integration with Energy Efficiency

AutomatiX , has a dedicated core software development team providing smart software solutions, that improve operational effectiveness, increase buildings safety and move toward the fully-automated GREEN environment.

The provided Building Automation encompasses all components for the primary energy plant, transmission, and consumption, ensuring demand-based, efficient control and switching of HVAC Systems, lighting and solar protection for all building types.

SIEMENS

PARTNER KNX

According to the International Standards:








AX Enviromental Monitoring System

The Environmental Monitoring System plays a significant role in some industrial facilities. From monitoring impurities in vents, stacks, air or water to point source or area monitoring, automatic and on-line measurement is an important tool. This type of measurement will detect, quantify and assist in the control and monitoring of clean rooms for pharmaceutical and semiconductor plants.

Environmental factors like heat, humidity, airflow, smoke, and electricity can be equally devastating to a company's operation.

AutomatiX will solve your problem by a custom made EMS tailored according to your facility. We specialize in environmental sensitive industries such as pharmaceutical, food and beverage, semi-conductors and so forth, utilizing selective leading sensing devices and of course Siemens software.



FDA Approved Solutions

GAMP5 Compliant
21 CFR . 11

FDA

Perfectly combined:
Active ingredients
for your success!





AX Power Systems

As official representative for Logstrup and Certified Type Tested Panel Builder from Logstrup and Rittal AutomatiX provides flexible and modular systems for the MDPs, DPs, MCCs, Power Factor Correction and Synchronization Panels.
Low voltage electric switchboards production up to 7000 Amp.
Engineering and supply of bus bar trunking systems.
Engineering of electric equipment and switchboards. ATS switchboards for power supply backup. High-performance switchgears for power industries
AutomatiX capabilities cover the Type Tested Panels (Forms 1, 2, 3 & 4 in A or B alternatives) and totally conforming to the IEC60439 and IEC61439 till 8,500A.
Intelligent TTA Motor Control Centers – iMCCs
MCCs provided through our authorized partners SIVACON SIEMENS, A/S Logstrup - Steel and Rittal Gmbh.
The Withdrawable option is launched in the perspective of supplying complete solutions for our customers

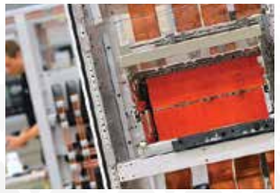
SIEMENS

logstrup

RITTAL



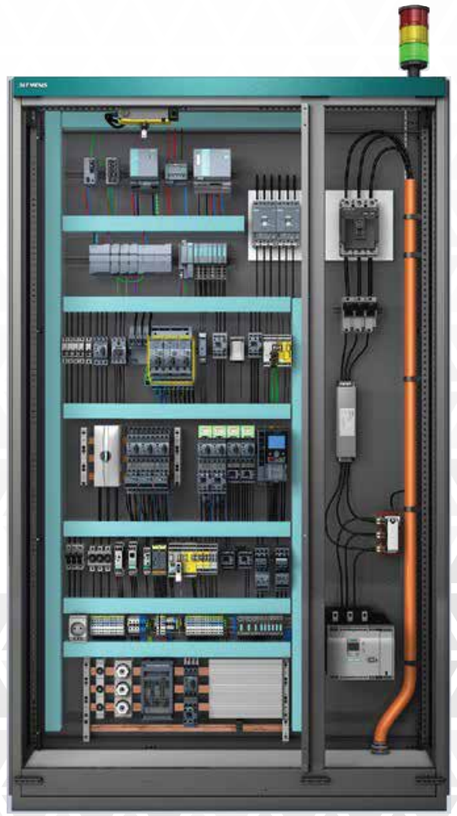












- Type Tested Panel Building Form 1,2,3 and 4 a/b according to IEC 60439 / 61439
- Regular & Withdrawable Systems
- Addressable Motor Control Centers, MDBs, ATSs, Totalizers
- DOL, SD, Soft Starters, Variable Speed Drives
- Low voltage electric switchboards production up to 8,500Amp
- Power Factor Correction
- Engineering of electric switchrooms and switchboards

IEC 61439

IEC-60439-1 / 61439-1,2,
BS EN 60439-1 / 61439-1,2,
EN 60439-1 / 61439-1,2, IEC 60529,
IEC 62208, IEC 61641,
CSA-C22.2 No. 31 & 14,
DIN VDE 0660 part 500, DIN 43671/12.75,
Ships Classifications Societies

I_n 8,500 A
I_{pk} 300 kA
I_{cw} 135 kA/1s

HV/MV Substations

AutomatiX has the adequate know-how and experience for the design and integration of medium-voltage systems.

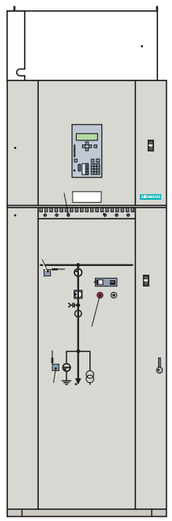
Depending on the job to be done, AutomatiX takes on responsibility for the whole project; from problem analysis and finding solutions to commissioning and handover to the customer.

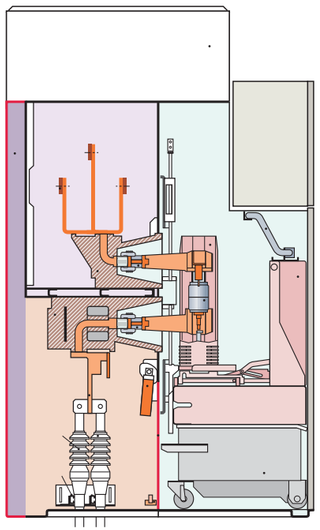
- High Voltage Turn Key Substation Design
- Design of primary and secondary power station
- Type-tested MV Switchgear according to IEC 62271-200
- Power Transformers, oil filled and dry-type
- Distribution Transformers up to 5000 KVA

In Partnership with

SIEMENS





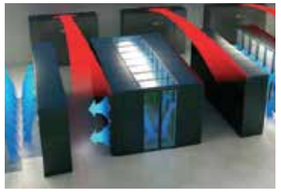






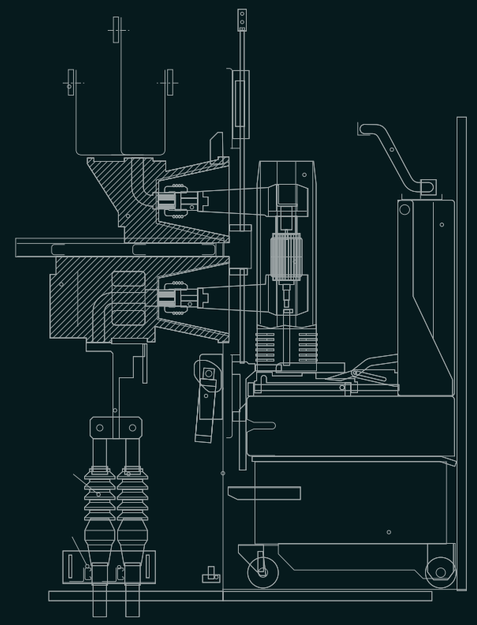






Our solutions include:

- Advice on technical and financial questions
- Carrying out measurements as a basis for optimum layouts
- Detailed system analysis and calculations
- Engineering and project management
- Acquisition of the necessary products, materials and services
- Coordination of all internal and external participants



The new switchgear standard

IEC 62271-200

Presence & Company Addresses

AutomatiX S.A.L. mother company is holding the international operations in the Middle East, GCC, North and Middle of Africa.



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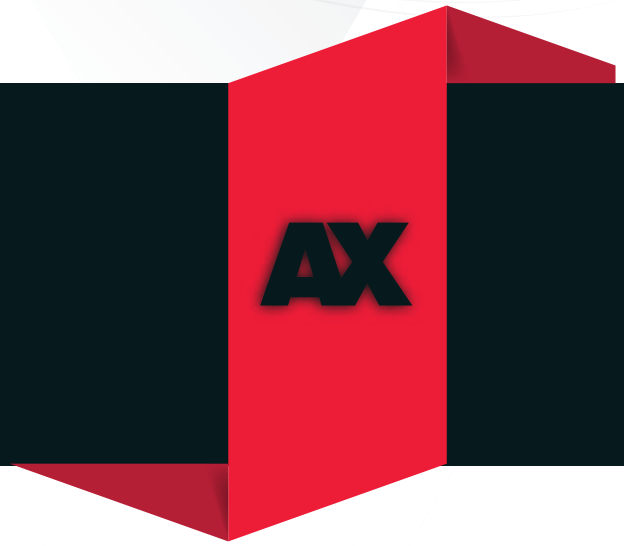
For more infromation please get in touch with our sales team at sales@automatix.com

www.automatix.com



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