



COMPANY PROFILE

2024

Igniting transformative innovation in industrial automation by delivering cutting-edge solutions that empower industries to achieve unmatched efficiency, productivity, and connectivity

EMAIL

Info@autospark-eg.com

CALL US

+201275626613

+20236913838





ABOUT US

AutoSpark Engineering Solutions is a forward-thinking engineering firm specializing in industrial automation and electrical engineering solutions. Built on a foundation of extensive expertise, AutoSpark is dedicated to delivering innovative, efficient, and reliable solutions tailored to meet the unique needs of modern industries.

With a strong focus on automation, system optimization, and energy management, we leverage advanced technologies and proven methodologies to drive operational excellence for our clients. Our services encompass everything from PLC programming and SCADA development to comprehensive electrical system designs, ensuring seamless and efficient industrial operations. At AutoSpark, we pride ourselves on our commitment to quality, precision, and sustainability. Partnering with us means gaining a trusted ally who is dedicated to helping your business thrive in an ever-evolving industrial landscape.





VISION

To be a leader in industrial automation and electrical engineering, empowering industries worldwide with innovative and sustainable solutions that drive growth and excellence.

MISSION

- To deliver high-quality, cutting-edge engineering solutions that optimize industrial performance and reduce costs.
- To build enduring partnerships with clients through reliability, innovation, and exceptional service.
- To stay at the forefront of technological advancements, ensuring our solutions are always modern and effective.
- To promote sustainable practices that balance industrial progress with environmental responsibility.





CORE VALUES

1. **Innovation**

- We embrace the latest technologies and creative thinking to deliver modern, efficient, and scalable solutions for our clients.

2. **Integrity**

- Honesty and ethical practices define how we work. We build trust through transparency and reliability in every interaction.

3. **Excellence**

- Our commitment to quality ensures we consistently deliver outstanding results, meeting and exceeding client expectations.

4. **Customer Focus**

- We prioritize understanding our clients' needs and crafting personalized solutions that drive their success.

5. **Safety**

- Ensuring the safety of our team, clients, and the systems we design is a top priority. We adhere to the highest safety standards in every project.

6. **Collaboration**

- Teamwork and strong partnerships are at the heart of our approach, ensuring seamless execution and shared success.

7. **Adaptability**

- In a constantly evolving industry, we stay flexible and ready to tackle new challenges and opportunities.



SERVICES/OFFERINGS

At AutoSpark Engineering Solutions, we provide a comprehensive range of industrial automation and electrical engineering services designed to optimize operations, enhance productivity, and ensure sustainable growth. Our expertise spans across multiple domains, delivering tailored solutions for diverse industries.

01 Industrial Automation Solutions

We specialize in designing and implementing advanced automation systems to streamline industrial processes and improve efficiency.

02 Electrical Engineering Services

We provide end-to-end electrical engineering solutions that ensure the reliability and safety of your operations.

03 Consulting Services

Leverage our expertise to optimize your systems and plan for the future

04 Specialized Solutions

We also offer niche solutions tailored to unique industry needs



1. INDUSTRIAL AUTOMATION SOLUTIONS



- PLC Programming: Development, testing, and optimization of PLCs from leading brands like Siemens, Allen Bradley, and Mitsubishi.

- HMI and SCADA Development: Creating user-friendly interfaces and SCADA systems for real-time monitoring and control of industrial operations.



- Motion Control Systems: Designing and programming motion control systems for synchronized and precise machinery operation.

- IoT Integration: Enabling smart systems by incorporating Internet of Things (IoT) capabilities to monitor, analyze, and control operations remotely.





2. ELECTRICAL ENGINEERING SERVICES



- **Control Panel Design and Installation:** Creating custom control panels to meet specific operational requirements, including system upgrades and migrations.

- **Electrical System Layouts:** Designing and implementing efficient electrical layouts tailored for industrial facilities.



- **System Troubleshooting and Maintenance:** Providing on-site and remote troubleshooting for electrical and automation systems to minimize downtime.



3. CONSULTING SERVICES



- System Upgrades and Optimization: Assessing and upgrading existing systems for improved performance and compatibility with new technologies.

- Tender Preparation: Assisting with tender development, including technical specifications, project scopes, and Bill of Materials (BOM).



- Technical Support: Providing expert advice and guidance on system implementation, maintenance, and troubleshooting.

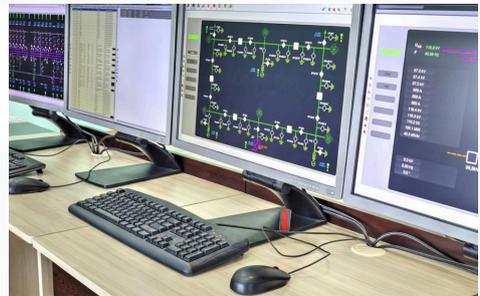


4. SPECIALIZED SOLUTIONS



- **Water and Wastewater Automation:** Automating processes for water treatment plants, including pump control, flow monitoring, and data visualization.

- **Energy Monitoring Systems:** Implementing systems to monitor and manage energy in power plants and manufacturing units.



- **Smart Systems Development:** Creating automation systems for smart facilities, including energy consumption monitoring and smart home applications.



TEAM EXPERTISE



• Procter & Gamble

Automation projects for Procter & Gamble optimized efficiency, reduced downtime, and minimized waste through advanced motion control and PLC programming, implemented globally and locally.



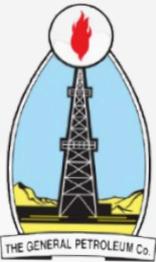
• BAPTECO

A comprehensive SCADA system designed to monitor and control two compressors, featuring real-time data visualization, efficient alarm management for over 1,000 alarms, and seamless communication via Modbus protocol, enhancing operational reliability.



• Givaudan

Consulting projects for Givaudan focused on system upgrades and optimization. Responsibilities included conducting detailed needs assessments, preparing technical tenders, and developing comprehensive Bills of Materials, ensuring efficient and tailored solutions.



• General Petroleum

Development of a state-of-the-art firefighting control panel for the General Petroleum Company, incorporating SIL 2-rated PLCs, HMI, and SCADA systems. The solution enhanced safety through efficient control of foam and water valves, ensuring rapid and reliable response during emergencies.



• Pepsico

Installation of a TC production line for Chipsy, covering end-to-end implementation, including electrical and control system integration. Ensured seamless operation and adherence to quality and safety standards.



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Sabk

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PREFERANCE BRANDS



**Rockwell
Automation**

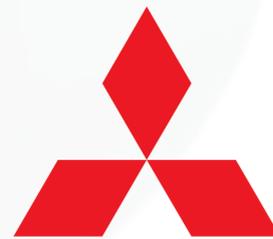
rexroth

A Bosch Company

SIEMENS

AVEVA

Schneider
Electric



MITSUBISHI



CONTACT US

EMAIL

Info@AutoSpark-EG.com

ADDRESS

1st Floor, 4th Apartment, Building 426, Second Neighborhood, Fourth District, 6th of October City, Giza, Egypt.

PHONE

+2001275626613

+20236913838