



SYNERGY
AUTOBOTICS



CORPORATE PRESENTATION 2024

Leading teams
for a higher goal

www.synergyautobotics.com

Synergy Autobotics LLC

Your Partner for Advanced Automotive Manufacturing Solutions

Synergy Autobotics LLC, based in Chicago, Illinois, is a cutting-edge robotics and automation solutions provider specializing in the automotive industry. Established in 2021, our company is committed to delivering excellence in programming, design, engineering, and the management of installation and integration for robotics technologies that revolutionize automotive manufacturing processes.

As a strategic partner in the engineering sector, we pride ourselves on our team of highly-skilled professionals, boasting more than 15 years of experience in engineering, automation, robotics, production lines, and complex systems within the automotive industry. Our clients can trust that we deliver the most innovative and reliable solutions to meet their specific needs.

Merging **skills** greater results





The **whole**
is **greater**
than the sum
of the parts

Controls & Automation Enforcement

PLCs Programming: Our team Develops and designs, debugs, and programs PLC to control industrial processes effectively and safely, ensuring optimal performance and smooth operations.

Industrial and Safety Networks Configuration: We configure industrial and safety networks, ensuring seamless communication between devices and compliance with industry standards.

Safety Devices Configuration: Our experts design and configure safety devices to protect your workforce and equipment during automated processes.

HMI Programming and Configuration: We create user-friendly human-machine interfaces (HMIs) that allow for easy monitoring and control of your automation systems.

Database and Alarm Systems: Our team designs and implements database and alarm systems for efficient data management and prompt incident response.

Process Cycle Time Improvement: We analyze and optimize process cycle times to enhance production efficiency and reduce costs.



Robotics & Joining Engineering

Welding: Robotic welding solutions are commonly employed for spot welding, MIG welding, TIG welding, and laser brazing to join metal components together securely and efficiently.

Painting and Coating: Industrial robots are used to apply paint and protective coatings to car bodies and parts, ensuring consistent quality, reduced waste, and improved safety in hazardous environments.

Material Handling: Robotic systems are designed to transport and sort materials, components, and finished products within the production facility, streamlining workflow and reducing manual labor.

Machine Tending: Robots are utilized to load and unload machines, such as CNC machines and injection molding machines, in the automotive industry, increasing productivity and minimizing human errors.



Project Management Team

As experts in the automotive industry, we recognize the importance of a swift and efficient implementation process. To guarantee the seamless integration of your new system, our dedicated project management team collaborates with you from the outset to determine the ideal configuration and service model tailored to your specific needs. Our comprehensive approach involves assembling skilled technical teams, customized to your project's requirements, ensuring its successful completion.

Our project management services include:

Comprehensive Needs Analysis: We thoroughly assess your projects requirements and develop a strategic plan to address them effectively.

Scheduling and Milestone Planning: We establish realistic timelines, set clear milestones, and monitor progress to ensure timely project delivery.

Resource and Capacity Planning: Our team evaluates the necessary resources and capacity to execute the project efficiently, optimizing the use of available assets.





No one is,
we are all
becoming.



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All men naturally desire to know. This is indicated by the love of the senses; for, apart from their usefulness, they are loved for their own sake, and he who more than everyone, the sight.

Aristoteles

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