



WE Engineer.
From Challenge to Progress.

**INDUSTRIAL
AUTOMATION**

iesysgroup.com



From Challenge to Progress. **WE Engineer.**



Who we are



From Challenge to Progress. WE Engineer. We provide complete engineering solutions for industrial automation, helping production facilities operate smarter, safer and more efficiently.

Progress begins where challenges arise. We see every project as an opportunity to **rethink, refine and reimagine** how technology can transform production processes.

We deliver turnkey solutions for **complex industrial automation projects**, designing, implementing and integrating intelligent control systems that enhance efficiency, improve reliability and meet international standards.

Our goal is to **help manufacturers and industrial operators** improve efficiency and achieve scalable, energy-efficient automation solutions through digitalization.

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Empowering Industry with Integrated Automation Solutions

In today's fast-evolving industrial landscape, manufacturing operations must be smarter, safer and more efficient to keep pace with rising complexity, productivity demands and quality standards. Intelligent, connected automation is no longer optional—it's essential for efficiency, sustainability and performance.

At IESYS, we turn this need into action with **advanced industrial automation solutions** that integrate intelligent control systems, sensors and data-driven optimization tools into a unified platform.

IESYS delivers **end-to-end automation systems** that control, monitor and optimize production processes in real time. From mid-sized plants to large industrial facilities, we enhance operational efficiency, improve quality and enable data-driven decision-making. Designed for scalability and reliability, **our systems support sustainable growth and help manufacturers build the factories of tomorrow.**



Industries we serve

- Automotive & components
- Food & beverage
- Logistics
- Petrochemical & process industries

In-house developed products & technologies

- Custom Automation Software
- Motion Control Modules
- Vision-Based Inspection Systems





Industries
we serve



Automotive & components



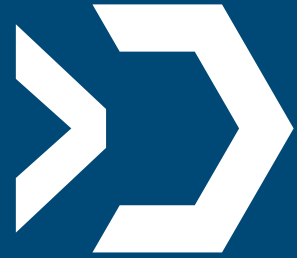
Food & beverage



Logistics



Petrochemical & process industries



Engineering Services Across the Project Lifecycle

Industrial automation demands expert engineering at every stage. IESYS offers tailored services designed to meet your industry's unique challenges, seamlessly integrated into your operations:

- Consulting & Pre-Engineering: Requirements analysis, technical studies and assessments to define the best solutions.
- Basic Engineering: Conceptual design, system architecture, technical specifications and documentation.
- Detail Engineering & Instrumentation: Component selection, PLC, procurement support, implementation and supervision.

Our teams work with trusted global technologies to ensure smooth integration of legacy and next-generation systems across diverse vendor platforms.



Trusted Technology Partners

We rely on proven, industry-leading technologies to deliver robust, future-ready automation and control solutions tailored to each client's needs. Our engineering teams integrate a wide range of systems and tools for:

- PLCs
- Safety Systems
- Motion & CNC
- SCADA & Visualization
- Signal Processing
- Automation IT
- Interfaces & Integration
- Engineering Software

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How We Work

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From planning to performance

Assessment & Feasibility

- Comprehensive system evaluation, goal definition and ROI analysis to determine project viability and strategic value.

Process Optimization

- Data-driven insights, real-time monitoring and workflow enhancements to maximize efficiency and performance.

Technical Design

- Development of control architecture, selection of optimal hardware and preparation of detailed technical documentation.

Manufacturing & Testing

- Precision automation panel assembly, software development and rigorous testing to ensure reliability and compliance.

Commissioning & Support

- Seamless installation, system integration, operator training and ongoing maintenance and technical assistance for sustained performance.



Our Capabilities: Smart, Scalable

Our smart and scalable industrial automation solutions cover the full spectrum of engineering, system integration and lifecycle support designed to boost your production efficiency and reliability.

End-to-End Automation Engineering

Full project lifecycle from process analysis and design to installation, commissioning and support.

Advanced Control Systems

PLC, DCS, SCADA, motion control and machine vision solutions for precise, reliable operations.

Robotics & Machine Integration

Industrial robots and automated cells designed to enhance speed, accuracy and productivity.

Custom Electrical Cabinets & Panels

Tailored assemblies ensuring compliance with machinery specifications and safety standards.

Real-Time Monitoring & Quality Assurance

Data-driven systems for continuous visibility and control over production quality.

Maintenance & Lifecycle Services

Diagnostics, ongoing optimization for long-term system performance.

Energy Management & Efficiency

Intelligent solutions aimed at reducing energy consumption and at sustainability.

Key Features of Industrial Automation Solutions



Automation Control Systems

- Integrated PLC, DCS and SCADA systems for full control of industrial processes.
- Custom HMI and control interfaces for real-time monitoring, adjustment and diagnostics.
- Supports both centralized and distributed architectures for high scalability and reliability.



Automation control systems



Robotic integration

Custom Software & SCADA Platforms

- In-house development of automation software, SCADA/HMI systems and Supervisor Panels.
- Real-time data visualization, logging and alarms for critical process points.
- Integration with different systems to enhance production traceability and planning.



Robotic Integration

- Industrial and collaborative robots for welding, assembly, packaging and handling tasks.
- Seamless integration with vision systems to automate complex workflows and process sensors.
- Designed for high-speed, repetitive operations with precision and safety compliance.



Vision Inspection Systems

- Machine vision cameras and image processing and 3D laser scanner for defect detection, alignment and measurement.
- Real-time quality control for products and components, reducing waste and ensuring compliance.
- Integrates with PLCs and rejection systems for fully automated inspection loops

Electrical Design & Panel Assembly

- Custom-designed electrical cabinets and control panels built to customer-specific standards.
- Fully documented layout, wiring and labeling for ease of maintenance and troubleshooting.
- Factory-tested before delivery and ready for fast commissioning on-site.



Process Monitoring & Analytics

- Live dashboards, performance indicators and data logging tools to monitor every stage of production.
- Helps optimize energy usage and maintain quality standards.
- Supports integration with cloud or edge-based platforms for remote access and analytics.



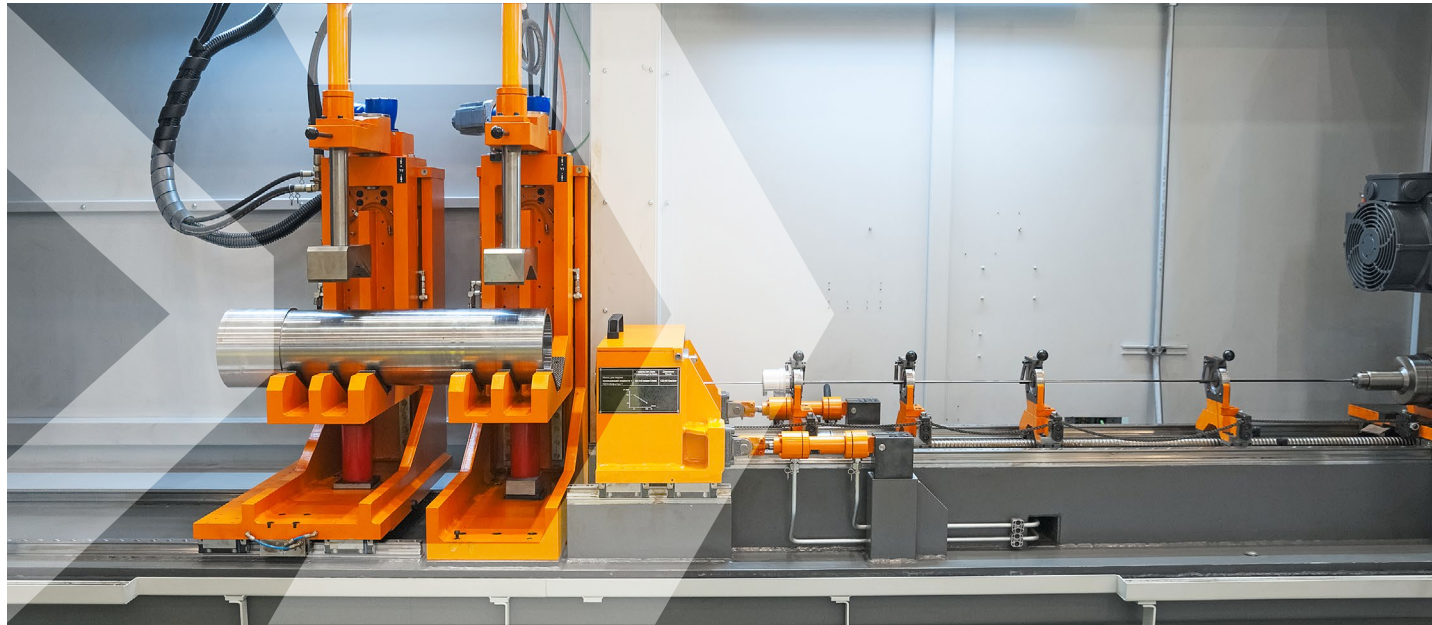
Modular & Scalable Architecture

- Systems designed with modular components to allow phased implementation and future expansion.
- Easily adaptable to new machinery, additional lines, or increased production volumes.
- Standardized interfaces ensure compatibility with legacy and third-party systems.

Lifecycle Support & Maintenance

- Full post-implementation services including preventive maintenance, spare parts and upgrades.
- Technical assistance and diagnostics for fast issue resolution.
- Training programs and documentation provided for operators and maintenance teams.





Operational Capabilities and Technical Performance

High throughput & precision

Our automation systems are designed to maximize output and accuracy, ensuring every process operates at peak performance.

Advanced PLCs and motion control technologies streamline cycle times while maintaining consistent, high-quality production across all operations.

Modular scalability

Built with flexibility in mind, our modular architectures grow with your business and adapt to changing production demands.

From small process lines to complex industrial networks, systems can be expanded or reconfigured with minimal disruption and downtime.

Enterprise integration

Seamless integration with MES, ERP and quality management platforms connects every layer of the enterprise.

Real-time data exchange enables smarter decision-making, greater transparency and optimized coordination across the entire production ecosystem.

Energy efficiency

Intelligent energy management and fault-tolerant design ensure round-the-clock operation with minimal waste.

Our systems reduce power consumption, enhance equipment longevity and support sustainability targets without compromising reliability or performance.



Benefits



Operational Excellence Highlights

- Maximized throughput with advanced control and optimized cycle times
- Minimized unplanned downtime through real-time monitoring and predictive maintenance
- Ensured consistent quality with integrated machine vision inspection
- Optimized resource utilization and eliminated waste
- Enhanced safety through fail-safe, redundant system architectures
- Enabled rapid decision-making with real-time analytics and KPIs
- Delivered scalability and flexibility for agile adaptation to production changes

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Smart Engineering & Scalable Performance

IESYS delivers intelligent industrial automation solutions engineered for precision, reliability and future growth. Our systems combine advanced control technology with flexible design to ensure efficient, high-performance production across diverse industrial environments.

- **Modular & Adaptable Architecture** - Designed for scalability, easily adapting to production expansion, process changes and evolving industrial standards.
- **Energy-Efficient & Cost-Effective** - Smart control systems and data-driven optimization reduce energy consumption, minimize downtime and lower total cost of ownership.
- **Comprehensive Security & Compliance** - Built with advanced cybersecurity and full compliance with international industrial and safety standards, ensuring safe and stable operations.
- **Integrated & Future-Ready** - Seamless connectivity with existing equipment, enterprise systems and digital platforms enables centralized control, real-time data flow and smart factory integration.





Sustainability & Innovation for Smart Mobility

IESYS supports the transition to greener, more efficient and resilient industrial operations by delivering innovative automation solutions that drive sustainable growth and high-performance manufacturing through:

- Low-energy, eco-efficient system design tailored for industrial infrastructure
- Resource optimization via automation
- Predictive maintenance to reduce waste and extend equipment lifespan
- Modular architecture that eliminates overengineering
- ESG (Environmental, Social and Governance) compliance and support for decarbonization goals

End-to-End Professional Services

From initial concept through deployment and continuous support, IESYS delivers comprehensive lifecycle engineering and services tailored to your industrial automation needs.

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- Custom system design and control architecture aligned with your production objectives
- Turnkey project delivery including installation, integration and commissioning of automation systems
- Tailored software development for process control, data acquisition and operator interfaces
- Rigorous testing and validation to ensure system reliability, safety and performance
- On-site training programs for operational and maintenance personnel
- Proactive maintenance and dedicated technical support to maximize system uptime
- System upgrades, retrofits and scalability solutions to adapt to evolving manufacturing requirements



Why partner with us

Global expertise

Proven track record across diverse national and international engineering projects, demonstrating consistent excellence in execution, innovation and long-term client satisfaction.

Tailored solutions

Flexibility to match each client's unique operational needs, adapting our engineering solutions, resources and processes to ensure efficiency, reliability and long-term performance in every project.

Technological agility

Seamless cross-platform integration for smooth process control needs, enabling unified data flow, real-time monitoring and efficient coordination across systems, platforms and industrial environments.

Full-service support

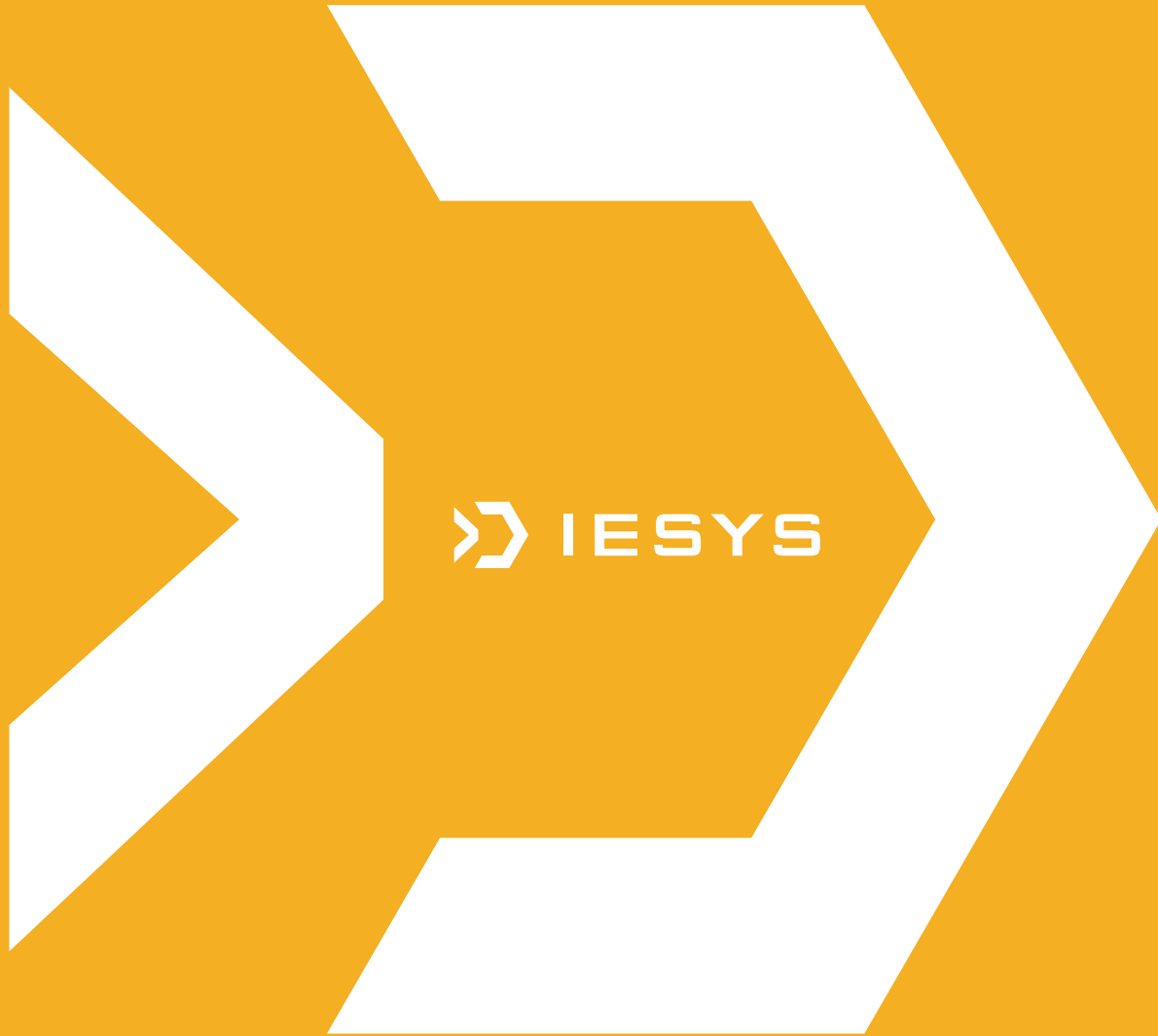
From consulting to continuous maintenance, ensuring seamless execution, optimized performance and long-term reliability through expert engineering, proactive monitoring and assistance.

Dedicated team

Engineers and technicians committed to innovation, combining technical excellence and forward-thinking solutions to deliver reliable performance and continuous improvement across every project.

Commitment to excellence

Delivering beyond expectations through precision engineering, continuous improvement and a results-driven mindset — ensuring long-term success, lasting value and impact for every client.



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