

Cerexio PLCI

PLC (Programmable Logic Controllers) and
Instrumentation

Unlocking Manufacturing Excellence with
Intelligent Automation

www.cerexio.com



Introduction

Transforming Manufacturing with Hyperconnectivity

Cerexio PLC & Instrumentation Setup empowers manufacturers with advanced automation solutions, seamlessly integrating hardware and software to optimise plant performance, drive data-driven decisions, and ensure futureproof, scalable operations for modern industry leaders.



Your Digital Transformation Partner for Smart Manufacturing

@Cerexio PLC and Instrumentation Team

Industries We Serve



Key Highlights

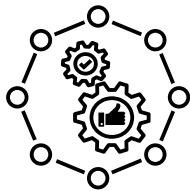


1. Multi-Brand PLC Expertise

Setup and support for leading PLC and instrumentation brands, ensuring compatibility and flexibility for any manufacturing environment.

2. Hyperconnected Asset Networks

Enable ever-growing, low-latency connectivity between assets for elastic and responsive manufacturing operations.

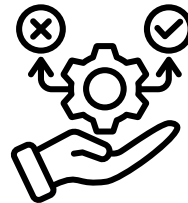


3. Seamless Software Integration

Unlock the best use of modular software systems, tailored to your plant's unique needs for efficiency and cost-effectiveness.

4. Futureproof Decision Support

Deliver actionable insights from shop floor to top floor, maximising uptime and operational continuity.

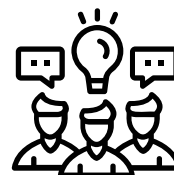


5. Prompt, Reliable Deployment

Fast installation, testing, and maintenance services to accelerate your digital transformation journey.

6. Innovative, Skilled Team

Rely on a team with deep technical expertise and pragmatic industry knowledge for real-world automation solutions.



Industry 4.0 Capabilities We Offer

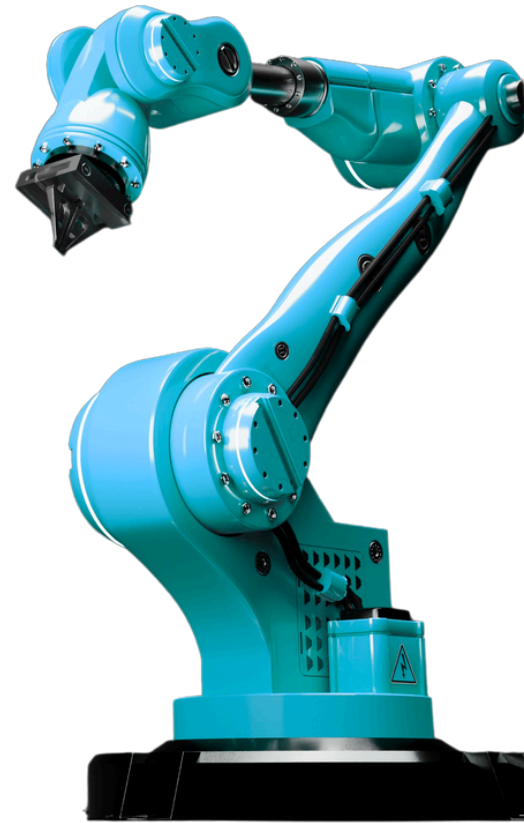
1 AI & Machine Learning

2 Big Data

3 GIS

4 AR/VR

5 Simulation



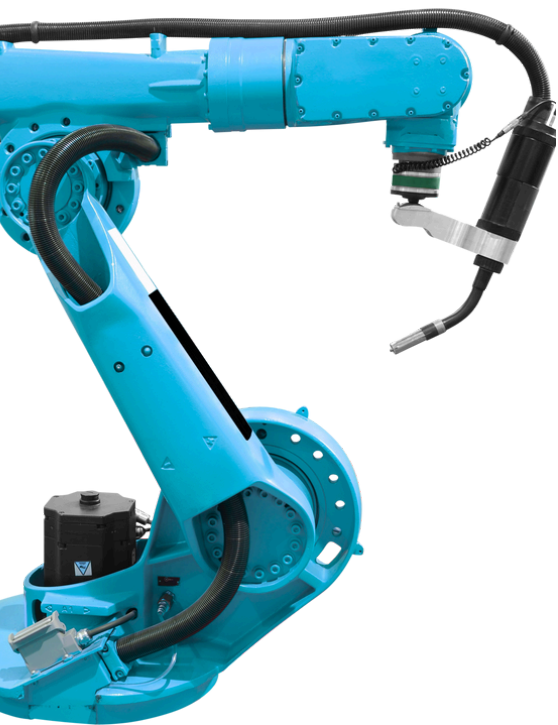
6 Satellite Remote Sensing

7 CCTV and Laser

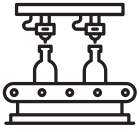
8 5G, IoT, Quantum Sensors

9 Digital Twin

10 Robotics and CPS



Cerexio PLCI Services



Complete Automation System Setup

Delivering end-to-end deployment expertise, Cerexio manages the entire automation system lifecycle—from design and installation to commissioning and optimisation—ensuring seamless integration, minimal downtime, and maximum operational efficiency tailored to your unique manufacturing requirements.



Multi-Brand PLC Integration

Expert integration services supporting a wide range of leading PLC brands, including Emerson, GE, Siemens, Allen Bradley, and more, enabling flexible, interoperable automation systems that fit your existing infrastructure and future growth plans.



Custom Logic Programming Solutions

Develop tailored automation code specifically designed for your manufacturing processes, ensuring precise control, enhanced system responsiveness, and alignment with your operational goals for improved productivity and reliability.



Instrumentation Calibration & Testing

Comprehensive calibration and testing services to guarantee measurement accuracy and instrument reliability, ensuring your control systems operate within specified tolerances and comply with industry standards.

Cerexio PLCI Services



Real-Time Data Acquisition

Implement advanced systems for instant capture and processing of process data, enabling real-time monitoring, quick decision-making, and enhanced visibility across your manufacturing operations.



Predictive Maintenance Enablement

Deploy predictive maintenance solutions that analyse sensor and machine data to anticipate equipment failures, reduce unplanned downtime, and optimise maintenance schedules for improved asset longevity and cost savings.



Remote Monitoring Enablement

Enable secure, remote access to your control systems from anywhere, allowing operators and managers to monitor, diagnose, and control processes in real-time, enhancing operational flexibility and responsiveness.



Legacy System Modernisation

Upgrade and retrofit outdated automation systems with modern PLCs and instrumentation, improving functionality, compatibility, and performance while protecting your existing investments.

Cerexio PLCI Services



Industrial IoT Connectivity

Integrate networked devices and sensors through Industrial IoT platforms, facilitating seamless communication, data aggregation, and advanced analytics to drive smarter manufacturing decisions.



Security Protocol Configuration

Configure robust security protocols with controlled user permissions, ensuring only authorised personnel can access or modify critical system components, safeguarding your automation infrastructure from cyber threats.



Operator Training Services

Provide comprehensive training programs to upskill your workforce on the latest PLC and instrumentation technologies, improving operational efficiency, safety, and system utilisation.



Ongoing Technical Support

Offer rapid and expert technical assistance, troubleshooting, and system optimisation services to ensure continuous, reliable operation of your automation and instrumentation systems.

Cerexio PLCI Benefits

Automate. Integrate. Accelerate.

Cerexio PLC & Instrumentation Setup delivers robust, scalable, and intelligent automation for manufacturers. Our solutions bridge operational technology and business intelligence, enabling you to optimise every aspect of your plant –today and tomorrow.

Production-Oriented Automation

Achieve seamless control and monitoring of all plant processes, from initial programming to final commissioning. Maximise production efficiency with automated workflows, real-time diagnostics, and continuous process optimisation tailored to your manufacturing environment.

Multi-Functional Optimisation

Design versatile control systems that combine programming, testing, equipment selection, and commissioning. Customise every function to your plant's unique requirements, ensuring optimal performance, flexibility, and integration across all operational layers.

Eliminate Redundancy Permanently

Streamline data collection and processing by removing duplication and manual interventions. Enable accurate, actionable insights for every event, improving data integrity and operational efficiency across your entire manufacturing ecosystem.

Decision-Making with Control

Empower your team with absolute control and real-time data visibility. Support confident, timely decisions at every level, enhancing responsiveness and strategic planning throughout your manufacturing operations.

Cerexio PLCI Benefits

The Future of Manufacturing Starts Here.

With Cerexio, you benefit from a unified approach to automation, connectivity, and analytics, ensuring your systems are always reliable, data-driven, and ready for the next industrial leap.

Unimpacted by Change

Adapt rapidly to evolving industry demands with scalable, future-ready automation solutions. Maintain operational continuity and resilience, even as your processes, products, or market conditions change.

Seamless Integration Across Platforms

Integrate effortlessly with OPC, DDE, and all major industry protocols. Ensure smooth, uninterrupted data flow from individual production lines to entire plant floors, supporting unified operations and analytics.

Ruggedised, Adaptable Controllers

Rely on robust PLCs and instrumentation engineered for the harshest industrial environments. Ensure reliable performance, durability, and adaptability, regardless of challenging conditions or demanding production requirements.

Expert-Led Continuous Support

Access prompt, ongoing technical assistance and innovative solutions from Cerexio's industry-leading team. Benefit from expert guidance, troubleshooting, and continuous improvement for all your automation and instrumentation needs.

Cerexio Client Stories

Cerexio has been at the forefront of digital transformation in manufacturing, empowering companies to achieve operational excellence and sustainable growth. Through its flagship solutions, Cerexio has partnered with industry leaders to solve complex challenges, ranging from throughput optimisation to emission control, while delivering measurable business value.

A company that manufactures and fabricates precision parts, moulds, and dies.

1

Vertically-integrated manufacturing services since 1978. They had a challenge in digitally transforming factories to improve operational efficiencies and reduce labour costs.

CEREXIO MES improved the throughput by digitally transforming their factory of 200+ moulding machines while the same labour capacity was able to deliver a +10% profit

Cement Manufacturer

2

According to Forbes, this company was on the list of the 700 largest global public companies in 2015. They had challenges in achieving kiln stability and optimisation.

CEREXIO MES was utilised by them to prevent poor quality, suboptimal throughput, unhealthy emission rates and energy losses by predicting failures in cyclone infrastructure.

ARTC- Advanced Remanufacturing Technology Centre

3

A Singaporean government agency that researches to facilitate the advanced manufacturing ecosystem in the region.

CEREXIO MES Services and Modules optimised their hyper-personalisation Line- a solution that manufactures personalised products in a fully automated production line.

Contact Cerexio

Don't hesitate to get in touch with us for further clarification or to book a demo this week. The contact particulars of our company are as below:

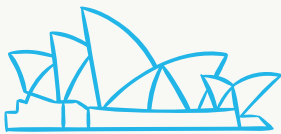


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