



OVERVIEW

Industrial Automation

Eclipse Automation delivers high-performance systems that bring precision, consistency, and efficiency to industrial manufacturing, across the full automation lifecycle.

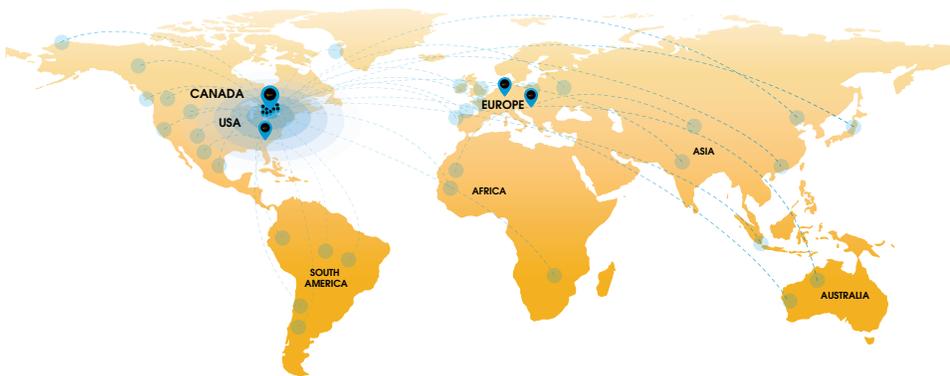


Automation systems that keep industries moving

Industrial manufacturers operate in environments where durability, consistency, and efficiency are essential. Rising expectations for product reliability, evolving regulatory standards, labour shortages, and pressure to increase output all place new demands on production. Eclipse Automation helps leading manufacturers meet these challenges with systems engineered for flexibility, precision, and dependable long-term performance.

We design automation systems that support complex processes, variable product formats, and high-mix or high-volume operations. From building materials and electrical components to HVAC systems, plumbing products, lighting, and smart metering technologies, our solutions help manufacturers produce reliably while managing total cost of ownership.

With decades of experience delivering end-to-end automation, Eclipse manages the full lifecycle of each project. In-house engineering, simulation, build, commissioning, and ongoing optimization ensure seamless implementation and steady performance in rugged industrial environments. Industrial manufacturers across the world rely on Eclipse to keep production running smoothly and deliver consistent, high-quality products at scale.



25

YEARS OF EXPERTISE

10+

GLOBAL FACILITIES

700+

HIGHLY TRAINED EXPERTS

1M+

SQ. FT. OF PRODUCTION CAPACITY

2001

YEAR FOUNDED

At Eclipse Automation, we apply local knowledge while leveraging our global expertise to solve any automation challenge.

Automation capabilities for industrial production

Our solutions are tailored to the needs of each project, giving manufacturers the efficiency, reliability, quality, and support needed to maximise output and maintain consistent performance across demanding production environments.



Innovation, automation, and production lines

We design and build automation systems that support durable, complex manufacturing processes with high repeatability. Our expertise spans cutting, forming, assembly, welding, dispensing, testing, packaging, inspection, and material movement to create efficient, end-to-end production lines for a wide range of industrial products.



Manufacturing of specialised tools and equipment

With in-house machining, fabrication, welding, and precision assembly, we produce high-quality tooling, fixtures, and custom equipment that support repeatable industrial manufacturing. Strong project-management systems and vertical integration ensure consistent performance from concept through build.



Optimization, consulting, and lifecycle support

Our teams review and improve automated processes through data collection, inspection, testing, and modernisation services. Installation, integration, upgrades, and obsolescence management are supported by a strategic approach that enhances line efficiency and extends equipment value across the entire production lifecycle.

Full lifecycle support for industrial manufacturing

Eclipse Automation combines deep sector experience with flexible engineering to deliver successful projects across building products, electrical components, plumbing systems, HVAC equipment, lighting, and smart metering technologies. We support the full automation lifecycle, ensuring systems are reliable, adaptable, and optimised for long-term manufacturing performance.



Advanced Engineering Services (AES)

We analyse workflows, simulate production processes, and define technical requirements to establish a strong foundation for each project. Our teams develop proof-of-principle solutions, create detailed specifications, plan strategically, and perform risk assessments while incorporating lean manufacturing principles to strengthen efficiency and scalability.



Automation

From engineering and design to fabrication and assembly, we build systems for forming, assembly, welding, testing, packaging, inspection, and material handling. Every solution undergoes rigorous Factory and Site Acceptance Testing and is fully commissioned to integrate seamlessly with existing operations.



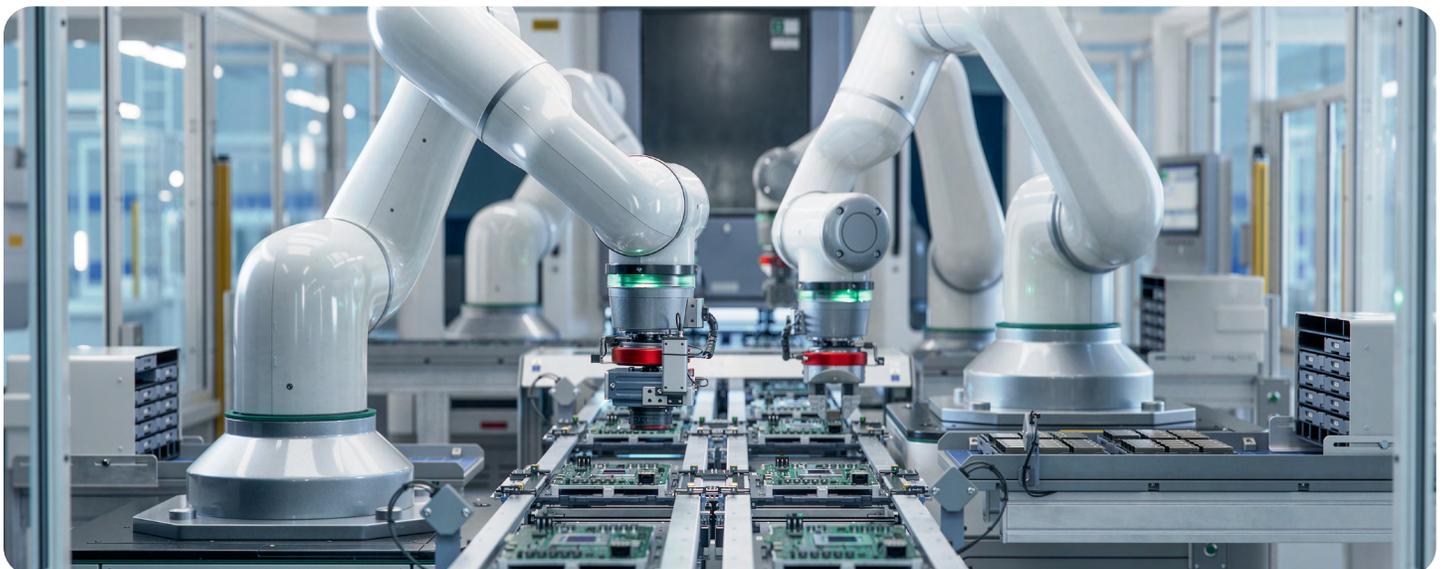
Post-automation

Once systems are operational, we deliver training, support, and ongoing optimization. Our twenty-four-seven availability, spare-parts programs, and lifecycle upgrades help maintain throughput, reduce downtime, and extend system performance across industrial environments.



Vertical integration

By connecting automation with MES and ERP platforms and managing project execution and supply chains in-house, we provide full visibility across every stage of production. This integrated approach maximises operational value and strengthens confidence across the automation journey.



Our industrial automation expertise

Eclipse draws on wide-ranging experience across the industrial sector, supporting manufacturers of building materials, electrical systems, plumbing components, HVAC equipment, lighting products, smart meters, and other critical infrastructure goods. Our automation solutions are designed to increase throughput, strengthen product reliability, and support consistent production across rugged and variable environments.



Building products

Automation for cutting, forming, fastening, sub-assembly, surface finishing, packaging, and inspection to reduce labour dependency and ensure consistent quality.



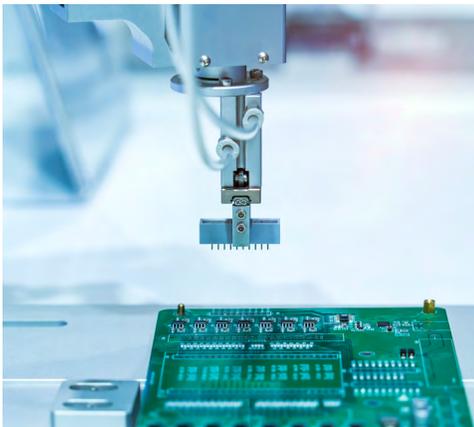
Electrical products

High-speed assembly, soldering, crimping, vision inspection, electrical testing, and serialization that improve reliability and accelerate certification cycles.



Plumbing products

Robotic assembly, leak and pressure testing, welding, sealant application, and automated kitting that reduce rework and support leak-proof product performance.



Lighting products

PCB assembly, optical testing, thermal management, wiring, and packaging systems that shorten product cycles and strengthen build consistency.



HVAC systems

Coil manufacturing, compressor and motor assembly, refrigerant testing, structural assembly, and functional testing that increase throughput and reduce warranty risk.



Smart meters and IoT devices

Fine-pitch electronics assembly, calibration, firmware loading, inspection, secure labeling, and packaging for scalable production of connected, high-accuracy devices.

Technology-enabled solutions

We apply advanced technologies to help industrial manufacturers improve throughput, strengthen quality, and support long-term performance. By combining proven engineering with digital tools, we create integrated systems for precise assembly, controlled processing, material movement, and in-line quality assurance.



Digital and virtual technologies

Digital twins, simulation, real-time data analytics, MES and ERP connectivity, advanced vision systems, and IIoT capabilities that improve visibility and support continuous improvement.



Robotics and automation

Advanced robotics, collaborative systems, AGVs, and high-speed handling technologies that streamline operations and reduce manual intervention while maintaining accuracy and repeatability.



Scalable system design

Modular platforms that support capacity expansion, product changes, and equipment upgrades without significant downtime, keeping lines adaptable and future-ready.

Our commitment to quality and compliance

Eclipse Automation designs every industrial system with quality, efficiency, and compliance at the centre. We help manufacturers reduce operating costs, improve labour efficiency, and maintain steady production by strengthening consistency across each step of the process. With reliable system design and disciplined engineering practices, we help teams maintain safe, repeatable performance and support scalable, long-term operations.

The Eclipse Advantage

Founded in Cambridge in 2001, Eclipse Automation delivers manufacturing automation solutions for clients across the nuclear energy, life sciences, transportation, consumer, industrial, food & beverage, semiconductors, and aerospace & defense sectors.

Our cross-industry experience allows us to adapt proven technologies and best practices from one sector to another, enhancing precision, performance, and reliability for every customer.

With operations across Canada, the U.S., and Europe, we continue to grow our reach and capabilities to meet the evolving needs of all global manufacturers.

Ready to build what's next?

Contact us today to see what's possible:
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