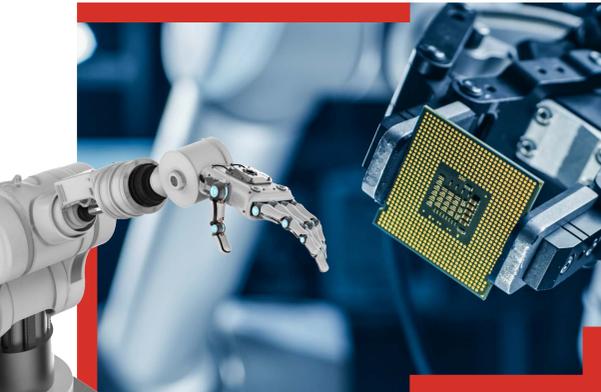




POWERING CHANGE

Transforming projects and operations through innovation, technology and expertise.

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ACHIEVE AUTOMATED PEAK PERFORMANCE

Measure, control, optimize & power your industrial operations.

Tailored industrial automation solutions combining reliable, easy-to-use and innovative products from premier technology providers with industry-leading services and expertise.

Solutions to Transform & Power Your Operations

Tackle your toughest industry-unique challenges and make your machines and equipment smarter, safer and faster while being increasingly flexible and reliable.



INDUSTRY 4.0

Digitize and maximize with data and machine learning through cyber-physical systems, the Internet of Things and the Internet of Systems.

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CYBERSECURITY

Our comprehensive security services, products and solutions offer a holistic approach to protect the integrity and availability of your complex automated assets.

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LOGISTICS

From tracking and sorting to shipping and receiving, tailored products and technology designed to optimize your logistics processes and keep you moving efficiently.

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COURIER & PARCEL

From warehouse to signature capture, our courier and parcel solutions offer end-to-end visibility and real-time tracking throughout each stage of the parcel processing and delivery chain.

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Industry-Leading Expertise

We help businesses in a variety of industries to solve their most complex problems and become more sustainable, agile, efficient and profitable.



LOGISTICS AUTOMATION

Solutions to improve operations in warehouses and distribution centres, reduce costs and increase your bottom line.

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WATER & WASTEWATER

We drive operational excellence at the lowest cost of ownership by protecting existing investments of infrastructures and providing seamless integration with new and evolving technologies.

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METALS & MINING

Make better decisions faster using our unique Modernization and Optimization enabling technology to reduce scrap and downtime while increasing yield.

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FOOD & BEVERAGE

Solutions designed to help you create the best quality food you can while improving safety and line efficiencies and increasing profits.

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[See All Industries](#)

Optimize Machines, Equipment & Technology Investments

Gescan Automation services ensure your automation solutions achieve maximum reliability, productivity, ease and efficiency, delivering peak operational performance at every stage of your asset lifecycle.



Solution Application & Consulting

Employing thought leadership with deep industry experience and resources, our experts help you envision and harness the power of innovative technologies to solve high-stakes problems and accelerate your competitive edge.

[Our Process](#)



Automation Training

Boost your industry skill sets, learn how to get the most out of new technologies and upgrades with our training courses. We provide a variety of opportunities for workers to learn, train and grow.

[Learn More](#)



Expert Technical Support

Our experienced, knowledgeable and highly-trained technical staff always strive to provide the best, most reliable services, solutions and support.

[Contact Us](#)

Your Trusted Automation & Process Partner

From training, services, support and application engineering, our team of technical and support specialists and leading vendor partners collaborate to bring you the most technically advanced products and solutions for your toughest industrial, utilities and process needs.

[Our Trusted Suppliers](#)

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ARE YOU READY FOR THE REVOLUTION?

The fourth industrial revolution is here.

The fourth industrial revolution is here; taking what was started with the adoption of computers and automation during the previous industrial transformation, what is now known as Industry 4.0 enhances how we produce products with smart and autonomous systems fueled by data and machine learning.

Today we are seeing computers connected to communicate with one another and ultimately make decisions without human involvement. A combination of cyber-physical systems, the Internet of Things and the Internet of Systems make Industry 4.0 possible and the smart factory a reality. The result is factories that are more efficient and productive and less wasteful.

Industry 4.0 projects are popping up at every manufacturing company, and for good reason; according to the McKinsey Global Institute, digital optimization of factory operations and equipment can generate up to \$3.7 Trillion of value in 2025.

Gescan has partnered with industry leaders in Industry 4.0 technologies to deliver a comprehensive portfolio of products, partners, and technologies to help you digitize and maximize your manufacturing facility.

Helping you on your journey to digital excellence:



STEP 1

Get Secured

Traditional industry, as we know it, has become a digital industry. This has left us with a new reality: if it's connected, it needs to be protected.

[LEARN MORE](#)


STEP 2

Get Connected

Connect to nearly any industrial asset and leverage Emerson's Edge Controller to collect data, analyze trends and uncover insights that improve operations and asset performance.

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STEP 3

Get Insights

The industrial network of connected machines with data analytics is creating a new frontier of competitiveness for information-centric, modern organizations.

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STEP 4

Get Optimized

For applications of all sizes, CIMPLICITY can help deliver faster response, reduce costs, and increase profitability.

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INDUSTRIES WE SERVE



AUTOMOTIVE

Enhance processes, maximize productivity and reduce cost of ownership with our innovative and scalable manufacturing solutions.



LIFE SCIENCES

Reduce energy and water consumption, and waste while making your facility smarter and safer with solutions designed to increase facility performance and product quality.



LOGISTICS AUTOMATION (T&L AND 3PL)

Solutions to improve operations in warehouses and distribution centres, reduce costs and increase your bottom line.



MANUFACTURING

Whether in efficiency, cost savings or speed of process, our solutions are designed to improve your manufacturing processes.



OIL AND GAS

Meet regulatory compliance and ensure security of process while improving overall profitability using our plant and enterprise-level automation software and solutions.



POWER & ENERGY

Automation software and people that seamlessly connect people to plant-wide information, in real-time, offering enhanced capabilities to manage plant performance.

OUR SERVICES

Solution Application & Consulting

Thought leadership coupled with deep industry experience and resources to help you envision and harness the power of innovative technologies to accelerate your competitive edge.

[OUR PROCESS](#)

Automation Training

Boost your industry skill sets, learn how to get the most out of new technologies and upgrades with our training courses.

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Expert Technical Support

Our experienced, knowledgeable and highly-trained technical staff always strive to provide the best, most reliable services, solutions and support.

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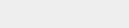
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STEP 1
Get Secured

Traditional industry, as we know it, has become digital. More devices are connected than ever before— PLCs, RTUs, and a wide variety of embedded devices all underpin critical infrastructure. These connections are driving new levels of productivity and value. But, these connections also introduce cyber risks.

In fact, with all these connections in operational technology (OT) environments, any vestige of an air gap has faded. Industrial control system (ICS) environments, including SCADA and DCS, have become easy targets for attackers and other adversaries. The threat landscape continues to evolve and expand.

This has left us with a new reality; if it's connected, it needs to be protected.

Not only do we now have a connected OT network, but increased business pressures are continually blurring the boundaries between OT and IT networks, requiring an ever-increasing cybersecurity infrastructure.



Network Intrusion Detection (N.I.D.S)

At the core, you need a passive intrusion detection system to constantly monitor your systems and alert you when something goes wrong.

[WATCH VIDEO](#)

Intrusion Prevention System (IPS)

The ultimate protection for PLCs and SCADA/DCS, OTfuse offers turnkey protection for devices with FULL Payload Inspection Down to the Commercial Level. OTfuse sits in front (inline) of critical endpoints, protecting devices from unauthorized use, dangerous instructions and activities, and remote takeover from hostile sources.

[WATCH VIDEO](#)



Native support for Modbus, Ethernet/IP, S7, DNP3, BACnet, SLMP, FINS, EGD	Built-in Modbus server for display device protection status directly to HMI	Syslog and email alerting
Hardware authentication for setup/admin	Standard DIN rail enclosure, 24VDC power	Layer two transparent bridge with self-learning, easy retrofit into existing installations, set up in <1 hour



Data Diodes

A high-speed, hardware and software solution that enforces replication in only one direction, NetWall unidirectional gateway for IT and OT creates secure network segments to shield and isolate critical assets and sensitive networks from cyberattack and misuse.

[WATCH VIDEO](#)

Support for OPC DA, A&E and UA, plus Modbus/TCP, file transfers and TCP/UDP sockets.

 Transfers data from trusted network (plant) without exposing machines to an untrusted network (corporate IT, business destinations)	 Unidirectional data diode functionality provides industrial airgap bridge to limit and enable communications from sensitive, restricted assets	 Guaranteed delivery from source to destination with provable verification, unlike most unidirectional gateways which use retransmission methods	 Alleviates cost and complexity of physical-only access or data diodes with a more effective and efficient connectivity solution	 Supports many SCADA/HMI systems, such as Inductive Automation's IGNITION platform, which leverage OPC UA for their underlying transport model
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Resources

- [Bayshore Solutions Overview](#)
- [NetWall Datasheet](#)
- [Nozomi Networks SG Data Sheet](#)
- [Nozomi Network Solutions Brief](#)
- [OTFuse Datasheet](#)

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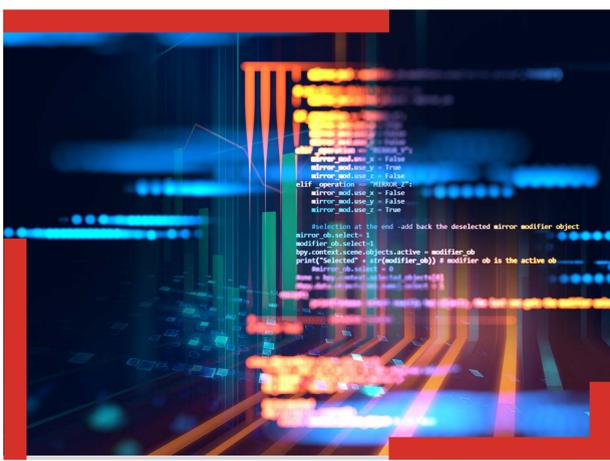
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STEP 2
Get Connected

From the power industry to manufacturing, businesses want to bring a new level of efficiency and productivity to every stage of their process. Realizing that real improvements to profitability can only be realized by optimizing complex industrial processes at the source, many businesses are turning to programmable automation controls and optimization software to accomplish this. While these tools are rapidly evolving to keep up with changing industry demands, complexities such as latency and security can be a challenge.

The CPL410 includes PACEdge with Linux and provides an open platform for reliable, secure communication and analytics using either cloud-based or edge-based apps. Controls can now be programmed to dynamically influence business outcomes, generate new forms of revenue, and improve profitability.



Industrial Secure Remote Access

A competitive alternative to both generic enterprise IT VPN products and software-defined networking tools, OTAccess is the only real-time Secure Remote Access solution offering granular access control enabling customized control per protocol, user activity and seat with continuous monitoring and policy enforcement for the duration of every session. It provides native policy controls for OT protocols and supports single-pane of glass administration via a customer's private cloud instance of the management portal.

Superior VPNs

Simplify controls and manages user connections to ICS and SCADA more precisely with in-depth knowledge of the control engineering environment. Control access per protocol + activity + seat in a combination customizable for your environment.

Deployment flexibility

Flexibility allows each customer to determine whether they want an on-premises hardware solution or cloud service for the OTAccess server. It supports encrypted micro-tunnels, two-factor authentication, and Microsoft Active Directory users and groups, plus an array of remote users -- at-home employees, third-party suppliers, contractors and industrial equipment manufacturers.

Advanced, Active Policy Enforcement

Automatically and actively respond at machine speed to protect ICS and SCADA as determined by OT, allowing the process to continue while high-risk activities are investigated separately.

Resources

Case Study

Specs Sheet

Data Sheet

Remote Access



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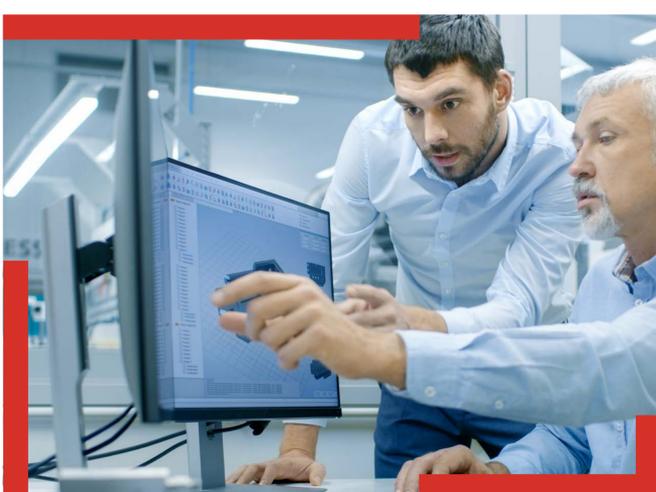
STEP 3

Get Insights

CIMPLICITY and HISTORIAN

Data analytics is creating a new frontier of competitiveness for information-centric, modern organizations. Asset-intensive companies are amongst those that create or have the inherent potential to create vast amounts of data – data that, when assimilated and put in context, will open the door for operational transformation breakthroughs.

Tight integration with HMI/SCADA CIMPLICITY enables simple one-click publishing of data, while Proficy Historian logs and stores data from the HMI/SCADA systems and allows viewing back in CIMPLICITY.

[WATCH VIDEO](#)


PROGEA MOVICON

Movicon.NEXT™ 4.0, the new industrial software platform, offers the most innovative and flexible technology for Window/Linux HMI projects, SCADA supervisory systems and efficient MES analysis – solutions essential to Industry 4.0.

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CIMPLICITY and HISTORIAN

As a proven automation platform, CIMPLICITY provides true client-server visualization and control—from single machines to plant locations spanning the world—helping you manage your operations and improve decision making.

Based on decades of GE's research and development, CIMPLICITY is the HMI and SCADA of choice for the world's largest organizations. For applications of all sizes, CIMPLICITY can help deliver faster response, reduce costs, and increase profitability. Our latest version enables high-performance HMI to speed operator actions, offers secure-by-design connectivity and certification management, and enhances modelling for repeatability and time savings.

Proficy Historian is a best-in-class historian software solution that collects industrial time-series and A&E data at very high speed, stores it efficiently and securely, distributes it, and allows for fast retrieval and analysis—driving greater business value. With decades of experience and thousands of successful customer installations around the world, Proficy Historian changes the way companies perform and compete by making data available for asset and process performance analysis.



PROGEA

Technology is fast evolving and to keep up with the pace, it is essential to have flexible, scalable and easy to integrate solutions to overcome the challenges of interconnecting devices.

The Internet of Things has gone beyond the limited capacity of previous technology due to the availability of connections on public networks, such as the internet, and the availability of light bi-directional and firewall-friendly protocols. The combination of these things has created great opportunities in every sector, especially in the industrial field where data exchanged between plant devices and machinery yields great benefits, as defined by Industry 4.0

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As your dedicated industrial automation partner, Gescan Automation works with you to generate a deep understanding of your industry-unique challenges.

Utilizing our experience and expertise, we create tailored solutions from our portfolio of technologies to measure, control, optimize and power your operations. From reliable, easy-to-use and innovative products to responsive, expert services, your path to achieving top business performance begins here.



OUR SOLUTIONS



INDUSTRY 4.0

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RTU

Reliably collect, store, diagnose and forward data securely to your SCADA system for enhanced remote monitoring and control of your distributed assets.

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HMI / SCADA

Optimize operator efficiency with high-performance HMI while reducing risk with proven visualization and SCADA.

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SYSTEMS INTEGRATION

Working in collaboration with our Integration partners or your preferred vendors, we help ensure a seamless transition to new and updated systems.

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