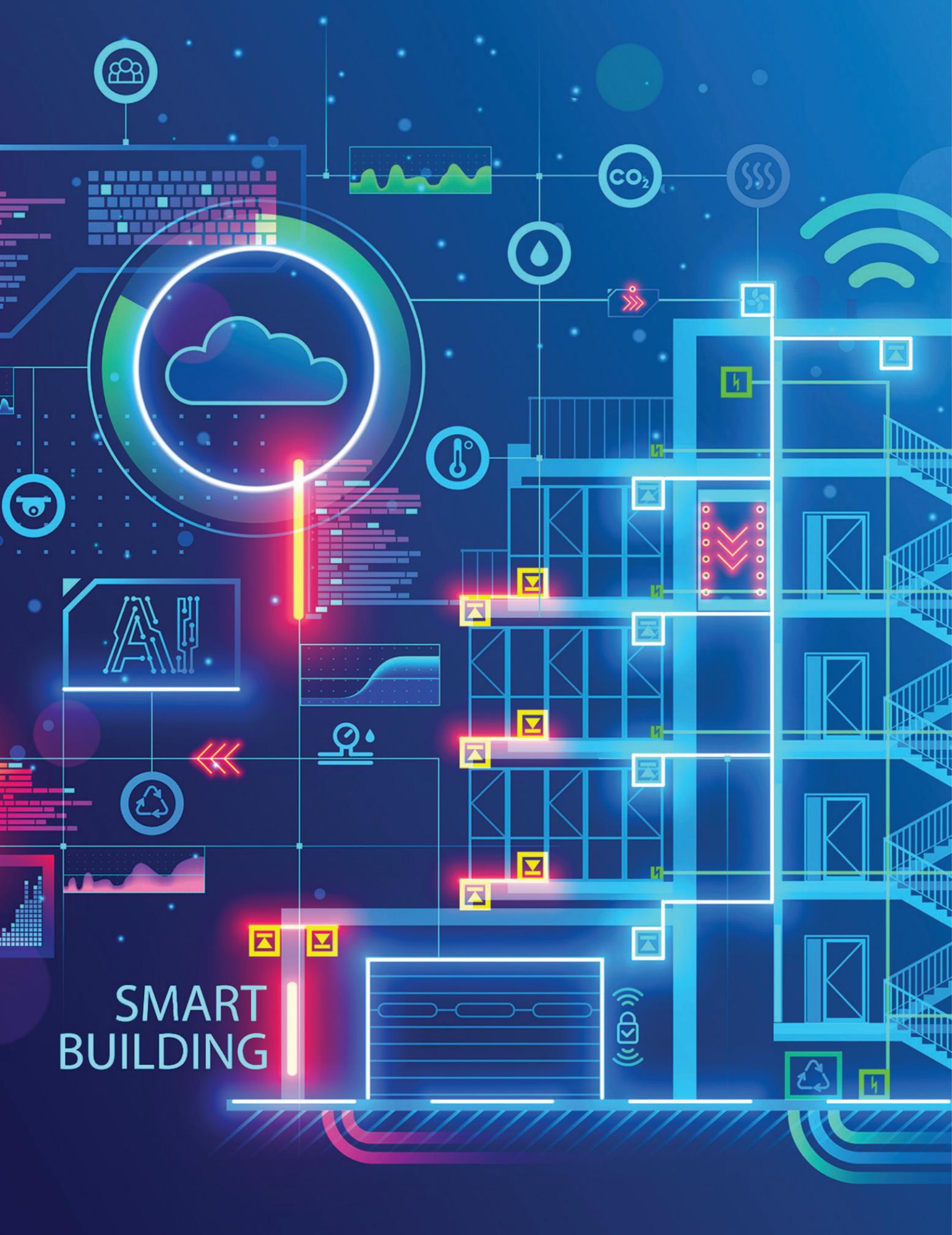




SMART BUILDING **COMPLETE**

Powering & Connecting Dynamic Workplaces.



SMART BUILDING

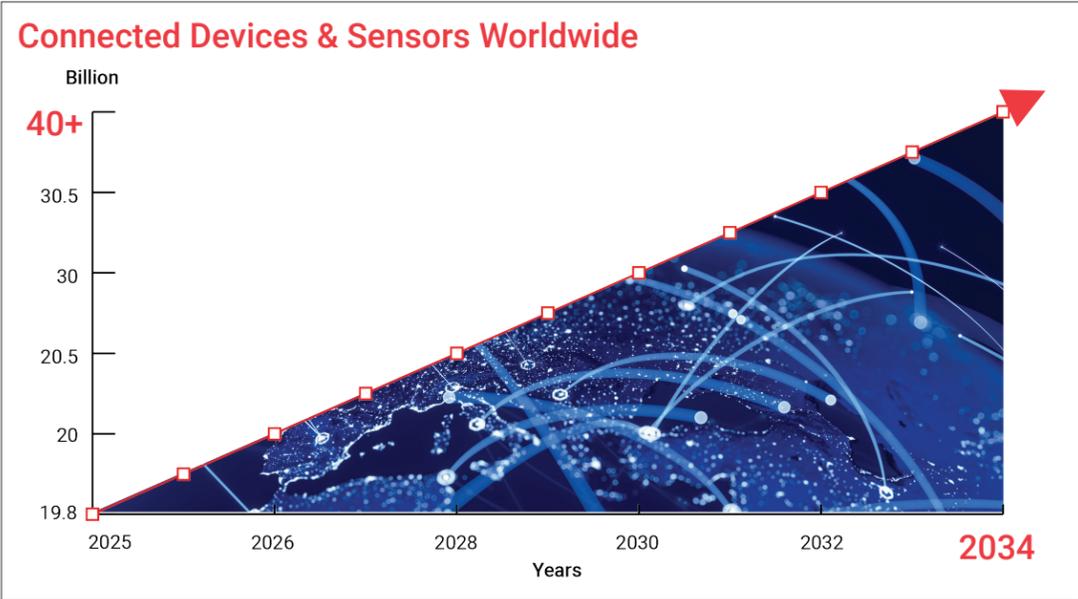
The Smart Building Imperative

The built environment is being reshaped by digital transformation. Across commercial buildings, expectations are rising fast, for seamless connectivity, intelligent systems, and always-on experiences in every space. As a result, smart building technology is no longer a “nice-to-have”. It is now essential.

But the real challenge is not the technology itself. It is the infrastructure behind it.

From Wi-Fi and in-building cellular to security, AV, lighting, and building automation, smart buildings depend on an expanding universe of connected devices and IoT sensors. That network must deliver high-speed data, efficient PoE power, and extended reach, without added cost or complexity. And demand is only increasing:

Connected devices and sensors worldwide are forecast to more than double, rising from 19.8 billion in 2025 to more than 40 billion by 2034*.



Smart building networks must do more than meet minimum standards. They must perform under real-world conditions, maintain reliability under higher PoE loads, and extend beyond traditional 100-meter limitations across larger commercial environments.

Because when the network fails, the building fails.

That’s why smart building connectivity must be engineered for performance, reliability, and reach.

That’s where Siemon sets the standard.

*Source: Statista.com

Introducing Siemon Smart Building COMPLETE

Siemon Smart Building COMPLETE is our end-to-end smart building connectivity solution, designed to deliver the infrastructure modern commercial buildings depend on. It enables owners, operators, consultants, and integrators to connect and power the critical applications driving today's smart buildings.

Smart Building COMPLETE provides a complete foundation for converged IT and OT environments, supporting high-speed data, PoE power delivery, and extended reach across buildings and campuses.

SMART BUILDING COMPLETE

Four Elements. One Complete Solution.

Smart Building COMPLETE brings together four essential elements that ensure smart building networks perform reliably today and remain ready for what's next:

- 
Performance Built to Last with PowerGUARD+
 Siemon's proprietary technology embedded in our copper connectivity, designed to deliver reliable PoE, thermal resilience, and extended reach up to 200 meters and beyond.
- 
Trusted Application Support
 Expert tools, services, and guidance to simplify design and deployment.
- 
Building Greener, Smarter, More Efficient Spaces
 Sustainability-led innovation backed by transparent reporting and certification support.
- 
The Siemon Standard
 Quality, expertise, and innovation trusted worldwide, backed by third-party verification and an industry-leading 25-year warranty.

Smart buildings demand more. Smart Building COMPLETE delivers.



Reach values represent best case subject to system selection and installation conditions. Consult Siemon for more details.

Performance Built to Last with PowerGUARD+

Data | Power | Reach | Delivered

Siemon's high-performance copper connectivity solutions are embedded with PowerGUARD+ technology. Engineered to deliver high-performance data and low-voltage DC power over longer distances, PowerGUARD+ provides the reliability and resilience required for today's most demanding smart building applications.



Extended Reach, Reduced Cost.

Connect and power IoT devices up to **200 meters and beyond**, reducing the need for additional telecommunications spaces, network extensions, and associated equipment, power, cooling, and maintenance.

Thermal Resilience & Long-term Reliability

PowerGUARD+ enabled connectivity is engineered to mitigate harmful PoE heat rise and maintain performance at elevated temperatures up to **75°C and higher**, helping protect network longevity and reduce risk.

Seamless Delivery of Power and Data

PowerGUARD+ features an innovative patented design that ensures long-term delivery of both power and data to connected devices, even under load.



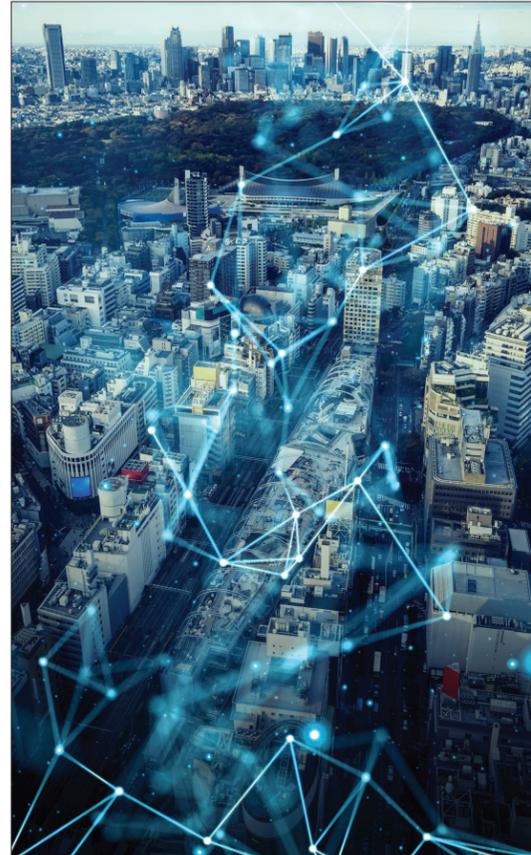
Proven Assurance

PowerGUARD+ enabled solutions are rigorously tested by Siemon Labs and **third-party verified** for performance and compliance. Backed by an industry-leading **25-year warranty**, Smart Building COMPLETE delivers the confidence required for stable, long-term smart building operations.



Trusted Application Support

Smart building networks must be specified correctly from day one. Siemon Smart Building COMPLETE helps simplify planning, reduce risk, and ensure infrastructure is designed to support real-world application demands across the building and campus.



Exclusive Design Tools

Purpose-built planning tools help clarify design choices and support confident decision-making early in the project lifecycle.

- Cabling Reach Calculator
- Wired for Wi-Fi Tool
- Backbone Fiber Calculator

Siemon Global Project Services (GPS)

From design support to Wi-Fi audits, Siemon GPS provides expert guidance from initial planning through deployment, helping ensure networks are specified correctly and delivered as intended. Learn more about Siemon Professional Services [here](#).

Application Coverage You Can Trust

Smart Building COMPLETE is supported by deep application expertise delivered by our Technical Services Group, across the critical technologies driving modern buildings, including next-generation Wi-Fi and in-building cellular, security systems, AV deployments, PoE lighting, and building automation.

Optimized for Convergent Applications

Smart buildings bring multiple systems onto a unified network. Smart Building COMPLETE is engineered to support the performance, PoE delivery, and reliability required across the applications that matter most.

WIRELESS

Support next-generation Wi-Fi and in-building cellular with high-performance connectivity designed to deliver throughput, coverage, and reliable PoE power for access points and antenna deployments.

SECURITY

Enable scalable security infrastructure, from video surveillance to access control, with connectivity engineered for uptime, performance, and long-term reliability across commercial environments.

AUDIOVISUAL

Support modern network-based AV systems with connectivity designed for high-bandwidth video transmission, control, and PoE delivery for displays, conferencing systems, and digital signage.

PoE LIGHTING

Deploy intelligent PoE lighting with infrastructure designed for reliable power delivery, simplified installation, and scalable integration of sensors and automation systems.

Built for the applications driving smart buildings today, and the technologies shaping them tomorrow.

Building Greener, Smarter, More Efficient Spaces

Sustainability is no longer optional in modern commercial buildings. Owners and operators face increasing pressure to reduce energy consumption, improve efficiency, and meet evolving compliance and reporting requirements.

At Siemon, sustainability is built into how we innovate, manufacture, and deliver. Smart Building COMPLETE supports responsible smart building infrastructure through verified product transparency, sustainable packaging, and credible global accreditations. Explore Siemon ESG initiatives [here](#).

We don't just support sustainability goals. We set the standard.



Transparent Reporting

Siemon supports global compliance requirements with connectivity solutions verified through **Health Product Declarations (HPDs)** and **Environmental Product Declarations (EPDs)**, helping reduce environmental impact and support responsible material selection.

Certification Support

Smart Building COMPLETE supports certification pathways including **LEED**, **BREEAM**, **LBC**, and **WELL**, helping smart building projects meet sustainability goals and evolving regulations.

Proven Performance

Siemon publishes annual ESG results and has delivered measurable reductions in greenhouse gas emissions, water use, waste, and energy consumption, is aligned with **CSRD** guidance and has a clear roadmap for continued improvement.

Sustainable Packaging and Efficient Logistics

Our award-winning sustainable packaging and strategic freight optimization facilitate recycling, minimize waste, and streamline delivery, reducing emissions while saving time and cost.

Trusted to Lead Responsibly

Siemon backs sustainability commitments through third-party accreditations and globally recognized frameworks including **RBA**, **UNGC**, **GRI**, **SBTi**, and **EcoVadis**.

People and Community

Certified as a **Great Place to Work®**, Siemon prioritizes employee health, safety, and development while investing in community initiatives that support more resilient supply chains and healthier built environments.

Quality, Expertise and Innovation You Can Trust

Smart building infrastructure must perform for the long term. That requires more than product performance. It requires a partner known for quality, backed by technical expertise, and trusted to deliver globally.

That is the Siemon standard.



Proven Legacy and Trusted Partnership

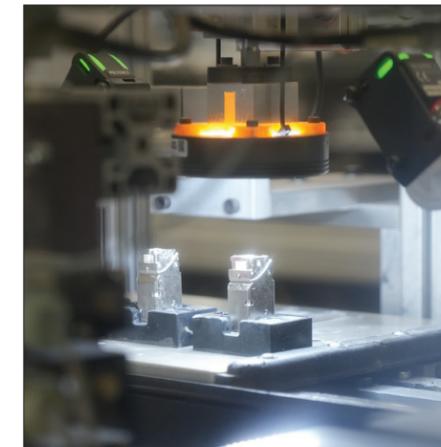
For over **120 years**, Siemon has delivered connectivity innovation for emerging technologies, building long-term customer relationships based on trust, reliability, and performance.

Engineered for Performance

Empowered by Siemon Labs R&D and engineered to exceed standards, Smart Building COMPLETE solutions are designed to deliver high performance and scalability across demanding real-world environments.

Standards Leadership and Interoperability

As an active contributor to industry standards organizations, Siemon helps shape the future of connectivity. Our solutions are built for interoperability and designed to support converged smart building environments.



Certified Delivery

Through certified partners and **professional services**, Siemon helps ensure specified networks are designed, delivered, and deployed correctly the first time.

Global Reach and Reliable Supply

With seven manufacturing and warehousing sites and operations in **100+ countries**, Siemon supports smart building deployments anywhere in the world with dependable availability and responsive logistics.

Peace of Mind

Every solution is meticulously designed, rigorously tested, and backed by an industry-leading **25-year warranty**.



End-to-End Connectivity for Every Smart Building Need

Siemon Smart Building COMPLETE delivers a comprehensive portfolio of high-performance connectivity solutions designed to power and connect modern commercial buildings and campuses, including ruggedized connectivity options for demanding environments. From copper and fiber systems to flexible zone cabling architectures, our solutions provide the foundation for reliable data and PoE power delivery across smart building environments.



Copper Connectivity

Siemon's copper portfolio includes Category 5e, 6, 6A, 7A, and 8.2 cabling systems engineered for reliability, scalability, and long-term performance. At the core of Smart Building COMPLETE are our Category 6 and 6A copper solutions, designed to support modern PoE-powered deployments.

Key Copper Solutions Include:

- Twisted 4-pair category cable
- RJ45 and TERA outlets
- Field-terminated plugs (including Z-PLUG™) and In-Line Connectors
- Pre-terminated trunk assemblies
- Patch panels and patch cords in multiple configurations
- UltraMAX™, Z-MAX® and TERA® outlets

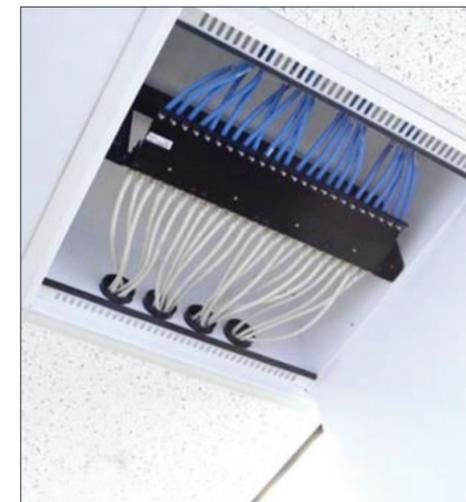


Fiber Connectivity

Siemon's fiber solutions deliver high-speed, high-density performance to support evolving bandwidth demands. Plug and Play fiber systems enable rapid deployment while providing flexible configuration options across commercial environments.

Key Fiber Solutions Include:

- Factory-tested jumpers, pigtails, and trunk assemblies
- Bulk fiber cable for indoor, indoor/outdoor, and outside plant applications
- Splice components and termination options for streamlined integration
- LightVerse® and LightStack®



Zone Cabling

Zone cabling architectures simplify moves, adds, and changes by localizing adjustments between zone enclosures and connected devices. This approach supports faster deployment, reduced disruption, and long-term flexibility across dynamic building spaces.

Key Zone Cabling Solutions Include:

- Plenum-rated zone enclosures
- Surface mount boxes
- Flexible connectivity options for rapid reconfiguration

One complete solution. Built for smart building performance at scale.

Learn more at www.siemon.com/smartbuildings.



For more information visit:
www.siemon.com/smartbuildings



Find your local Siemon distributor:
go.siemon.com/distributor



24/7 Customer Support:
customer_service@siemon.com