



UNITED TECHNOLOGIES CARRIER CORPORATION

CarrierOne™



CarrierOne™

Carrier COMFORT NETWORK

SOLUTIONS FOR BUILDING AUTOMATION

CarrierOne™ — The “ONE” Solution for Managing Building Connectivity in a Multi-Vendor Environment.

Every day, building owners face a common challenge. Given one or more buildings in one or more locations, you must manage the equipment that monitors and controls energy, lighting, security, fire and life safety. You must manage all that equipment so that it responds quickly and effectively to a steady stream of scheduled and unscheduled events. And of course, you must manage all that equipment efficiently, even though it comes from a wide variety of vendors with greatly varying data standards and control protocols.

While you are responding to trouble calls and performing routine maintenance, you have to maintain aggressive controls on energy costs, schedule future maintenance, evaluate new equipment and energy sources, all while changing from one computer system to another, often in multiple locations.

When it's time to acquire new systems, you struggle with sticking to one protocol — BACnet™, LonWorks™ or legacy — versus making the decision that will provide the best system, no matter what you already have installed or may want to install in the future.

And the best days are the days when the phone doesn't ring and no one notices that you're doing your job.

The CarrierOne Solution

Ideally, the information needed to meet these challenges should be integrated with other enterprise information — spot energy prices historical usage data, security access

information, and so on. Up until now, this has not been possible, as this data resides on other computer systems in other formats within the corporation.

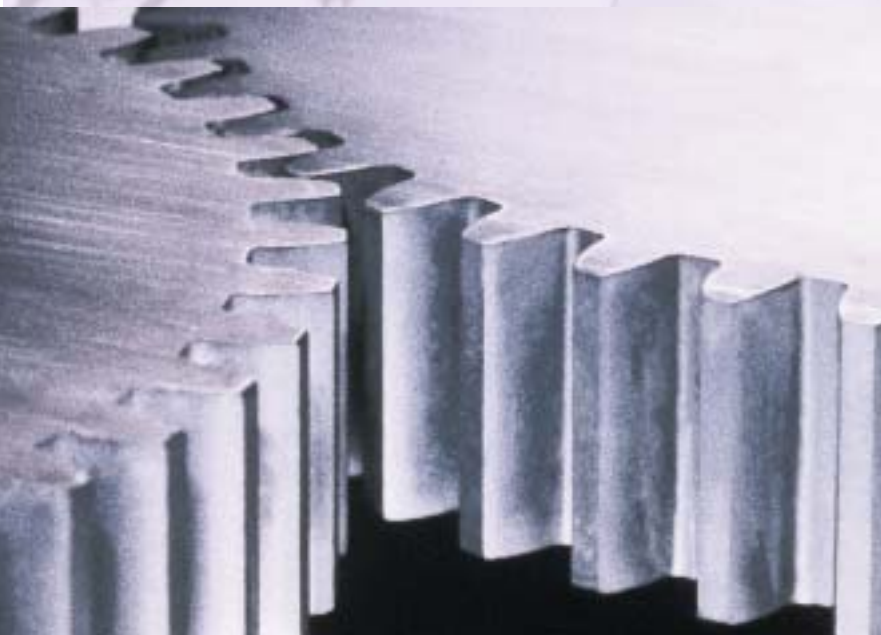
Now you have a solution: CarrierOne, a system which eliminates the obstacles raised by interacting with products from multiple manufacturers, each with their own data protocol. CarrierOne uses Internet standards to break down the walls between these protocols and provides a seamless solution for accessing the systems it integrates.

CarrierOne provides building managers with a single web-based interface to energy management and building automation systems. Built with a suite of industry-proven tools for configuration and management, CarrierOne supports open protocols and many legacy systems, ready to integrate the systems you already have in place — and whatever new ones you acquire in the future.

Enabling Your Success

Successful building management means more than staying on schedule and avoiding crises. It means operating efficiently while planning for the future, by accessing critical enterprise information — usage data, financial data, energy prices, security information — and integrating that information into successful management strategies.

There is no substitute for the strength that Carrier brings to your team as your management partner. When you need assistance in selecting, installing, maintaining or enhancing your building systems, you can count on Carrier's support.



The one thing you need to know: CarrierOne will help you substantially reduce your building management costs.

Comprehensive and Flexible

CarrierOne is a highly scalable solution that directly addresses the building management challenges that arise from supporting multiple equipment vendors. At its core, it integrates all equipment and enterprise information that conforms to Carrier, BACnet or LonWorks protocols, and provides the capability of adding interfaces for other systems. Beyond equipment and data integration, CarrierOne comes with features that enhance your ability to manage your systems while reducing costs:

- Distributed access via standard web browsers
- Built-in load analysis packages
- On-demand energy profiling
- Benchmarking of new and established systems
- Real-time control with graphic and numeric status and feedback
- Interface to enterprise information

CarrierOne is ready for you today: ready to manage multiple vendors in single-building installations as well as geographically distributed, multi-building sites — whether across a campus or across the country. Its scalability allows it to grow with your operations, delivering decreased energy and management costs as you increase its use. CarrierOne frees you from the challenges of multiple system management across a wide range of installations — a single office building, universities and colleges, large commercial campuses, military bases and geographically distributed enterprises.

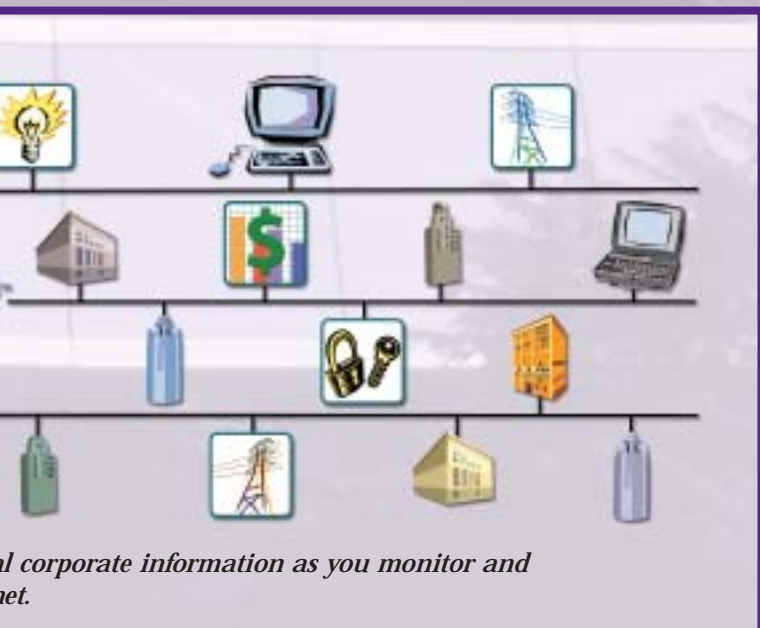


Straightforward and Powerful

CarrierOne uses a web-based architecture to manage open systems across a distributed network. Depending upon their security level, users may gain access to any component of the system to which they are entitled through a standard browser window.

Within the system, sensors, controllers and other devices are represented as software objects which allows for greater flexibility in integrating new devices, as well as ease of operation and performance speed. Supervisory and workstation software modules allow users to tailor displays and reports with graphic user interfaces. All data, regardless of protocol or vendor, is presented in a common format making building operation seamless across your facility.

In order to expedite changes or additions to system equipment, CarrierOne employs “wizards” which auto-matically detect and configure new components, guiding operators through the process as needed. All this is built on the Niagara Framework™, a Java-based software infrastructure that integrates devices across many platforms.



al corporate information as you monitor and
net.



As the world leader in Heating, Ventilation and Air Conditioning, Carrier is committed to continually improving the quality of comfort we provide to our customers.

But our level of responsibility extends well beyond...

Carrier Corporation has identified six specific areas which directly impact how we, as a world manufacturer, balance our customers' needs for comfort with the environment's needs for responsible consumption.

These symbols graphically represent our six areas of concentration and will serve as visual reminders of the importance of managing our finite resources.

Each one of us at Carrier Corporation believes that, for generations to come, success will not only be measured by the quality of our products and systems, but also by how we have improved the quality of life.

Peace of Mind

CarrierOne is unique — it is the only solution of its type with built-in protocols for the entire line of Carrier products, along with all other systems that conform to open protocols. And like all Carrier products, you can depend on the quality of the system from engineering design, to installation and through years of trouble-free operation.

Management Solutions

CarrierOne Web Server

CarrierOne Web Server provides a graphical user interface for the management of all connected CarrierOne Comfort Integrator™ stations. Operating locally or over the Internet, it delivers scheduling, trending, alarming and advance energy management applications through a uniform web browser interface.

CarrierOne Services

CarrierOne Services is the unified engineering toolkit that includes CarrierOne Web Server software and additional tools designed to consolidate protocols and tasks into a single, integrated graphical environment. CarrierOne Services can connect to CarrierOne Comfort Integrator stations either locally or from the worldwide web. This allows the engineering toolkit to be utilized locally or remotely to perform system setup, maintenance or troubleshooting.

CarrierOne Comfort Integrator 5xx & NP Series

CarrierOne Comfort Integrators offer integrated access to network devices, based on a compact embedded PC, providing differing cost points depending on the power and number of devices served. These devices offer standard protocol integrations with Carrier, LonWorks and BACnet systems. Additional protocol integrations can be accomplished seamlessly by adding new drivers to the CarrierOne Comfort Integrators.

The CarrierOne system: the building automation solution that removes the walls between systems and the obstacles to success.

To learn more about CarrierOne and how we can help you control costs and ensure system performance, call your local Carrier office today or visit us on the Web at www.carrier.com.



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Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.