



ABOUND

# **Connect, control and optimize your small format retail stores with the Abound™ Edge system.**

Gain unprecedented visibility and control of facility equipment while managing occupant comfort and saving on energy and maintenance cost.



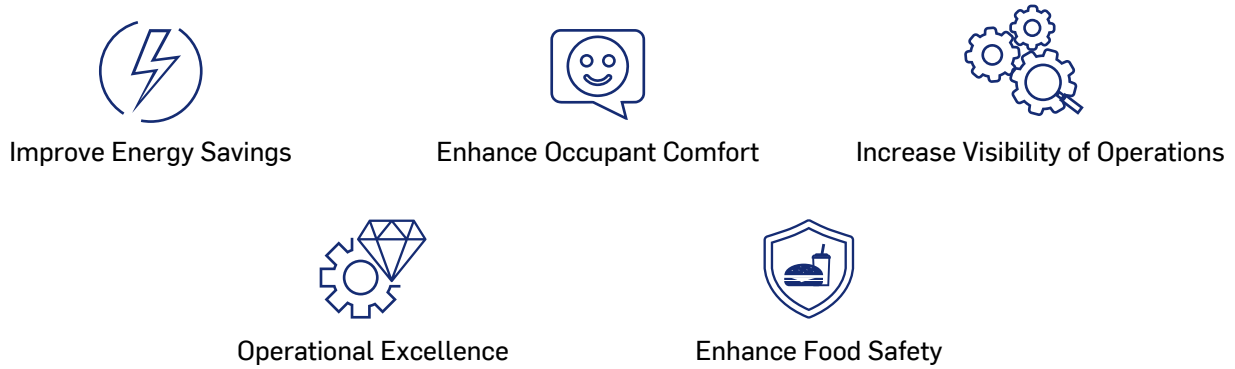
In today's digital age, the ability to rapidly connect and harness data from a building is imperative to drive sustained profitability. Carrier Abound has developed the Abound Edge system, which allows retailers to efficiently manage operations and make their retail store network ready to take advantage of new technologies.

**The Abound Edge system is a plug-and-play solution that enables retail stores to go digital easily. The Abound Edge system:**

- Easily connects to store equipment
- Effectively controls equipment operations
- Rapidly enables bi-directional data exchange with the cloud
- Provides insights to improve thermal compliance and energy efficiency through data analytics
- Provides services to make your store operations data driven

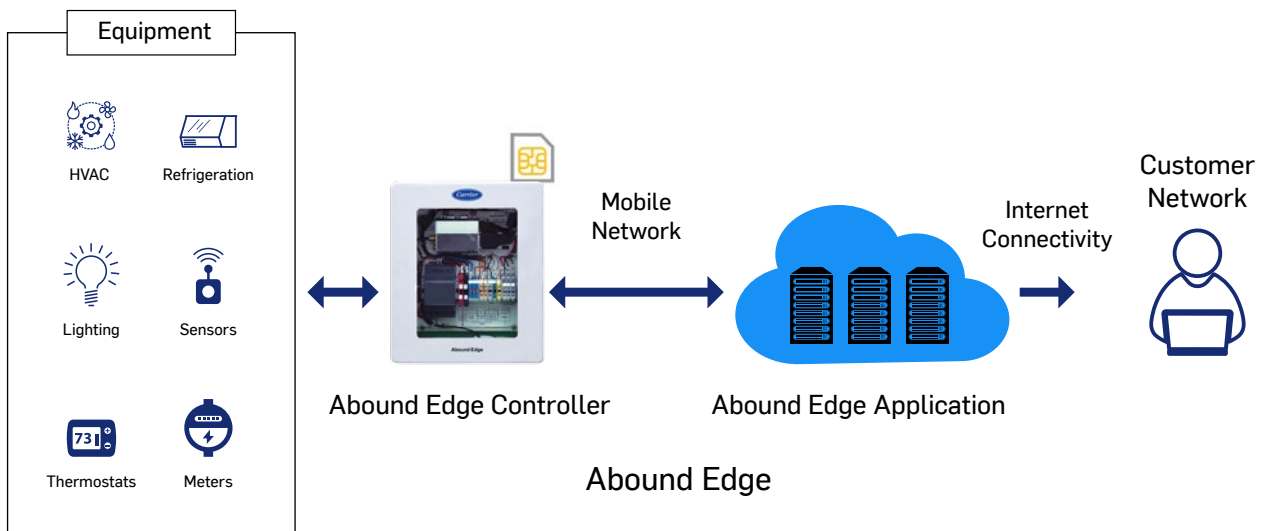
Retailers can now manage their stores proactively in order to provide better experiences for their customers without dealing with the complexity of technology, connectivity, data security, the diversity of equipment on their premises and, in most cases, connecting to multiple clouds. They will not have to deal with pushing policies and schedules and will have a team that can carry out remote resolutions.

**Our Services with the Abound Edge System enable retailers to achieve the following:**



With a wide range of functionalities and enablers, the Abound Edge system enables restaurant operators to control and manage connected equipment seamlessly.

**Network Architecture**



## Abound Edge Controller

The Abound Edge controller is an intelligent and robust IoT device which can easily integrate with and control underlying edge devices like HVAC, lighting systems, refrigeration, thermostats, meters and sensors. This easy to install device is supplied with all required instrumentation such as meters, sensors, contactors and power supply.

### Key features:

- Open interface which connects to any MODBUS device
- Secure and efficient data transfer with minimum bandwidth
- Auto selection of telecom carrier with the strongest available signal to enable smart communication
- Preloaded with numerous intelligent control libraries
- High availability with multiple recovery options
- Cloud enabled data collection

## Abound Edge Application

The Abound Edge application is an IoT platform that provides users with visibility into operations of various store equipment through a suite of modules. It provides insights that can be acted upon to manage health of equipment, improve occupant comfort and manage energy efficiency of the facilities.

### Key features of the Application:

- Service Window® framework based operational insights\*
- Ability to drill down to the site on the basis of geography or as per business hierarchy
- Role based access control that allows users to see relevant details
- Reports are available on energy consumption, temperature compliance and can be easily downloaded by the user

\*Our patented framework enables us to identify the relationship between energy consumption patterns (measured in kWh) and operations patterns, measured by site usage pattern (e.g. customer usage vs employee only usage hours), guest count or footfalls, etc.



## BluEdge™ Command Center

Our Command Center is a team of skilled analysts, data scientists and domain experts who manage requisite site interventions, define action plans and ensure their comprehensive completion in a timely manner. This centralized operations center enables retailers to change their current mode of operations to a data driven one.

### Key services offered:

- Remote commissioning
- 24/7 service desk for remote resolutions
- Intelligent dispatches to pro-actively resolve equipment issues that require technician visits
- Carry out bulk or individual site level changes such as set point and policy correction modifications
- Verify effectiveness of any maintenance or repair at a site to avoid store calls and dispatches
- Problem management desk to identify and reduce repeat issues
- Measurement and verification of savings

Carrier Abound provides a turnkey solution for supply, installation and remote commissioning of the Abound Edge system. Our centralized service desk takes in all the requests for making configuration changes, such as schedule updates and updating store temperature policies.

The Abound Edge system has been designed for enterprises with a network of small-format retail stores, convenience stores and quick service restaurants. These enterprises can look to achieve elevated levels of operations and standards of compliance with the Abound Edge system.



Write to us at [abound@carrier.com](mailto:abound@carrier.com) for more on how we can help your company achieve its business and sustainability goals.

#### **About Carrier Abound**

Carrier Abound provides digitally connected lifecycle solutions and services for diverse building portfolios. The solutions and services enable building management to see deeply and broadly across their assets, prioritize and act on real-time insights, and refine, adapt, and scale on a continual basis to improve energy efficiency and asset performance, enhance occupant comfort and productivity, and streamline compliance reporting. Carrier Abound is part of Carrier Global Corporation.

For more information, please visit [abound.carrier.com](https://abound.carrier.com). Join the conversation on [LinkedIn](#).

