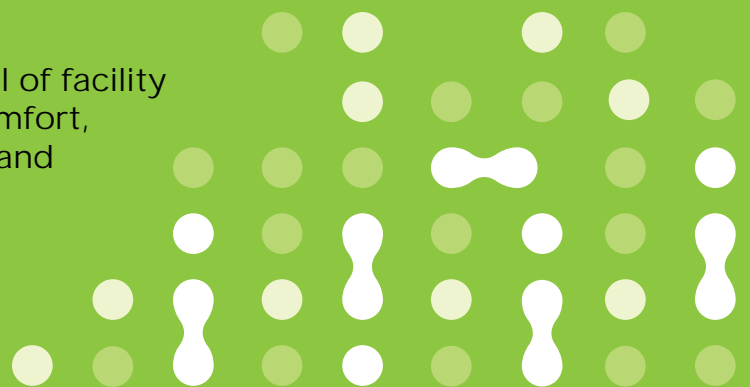
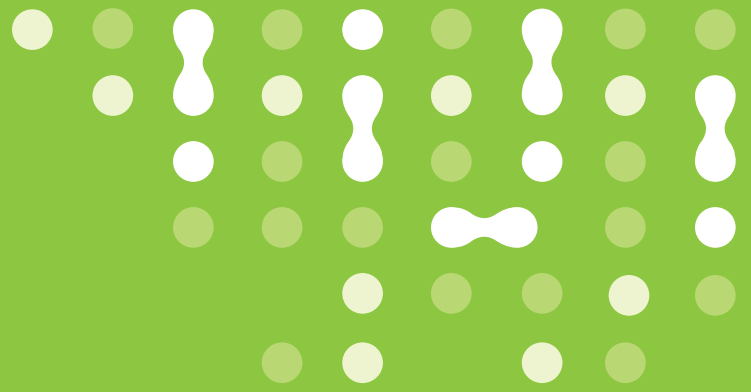




Connect, control and optimize your restaurants with the CORTIXedge™ system

Gain unprecedented visibility and control of facility equipment while managing occupant comfort, food safety and saving on energy, labor and maintenance costs.

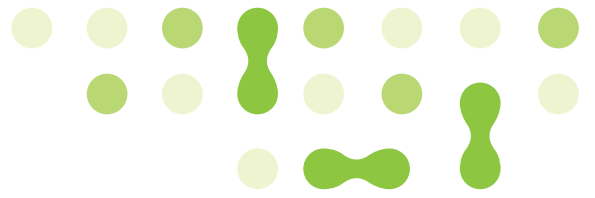




In today's digital age, the ability to rapidly connect and harness data from a restaurant is imperative to drive sustained profitability. EcoEnergy Insights has developed the CORTIXedge™ system, which allows restaurant operators to efficiently manage operations and make their restaurant network ready to take advantage of new technologies.

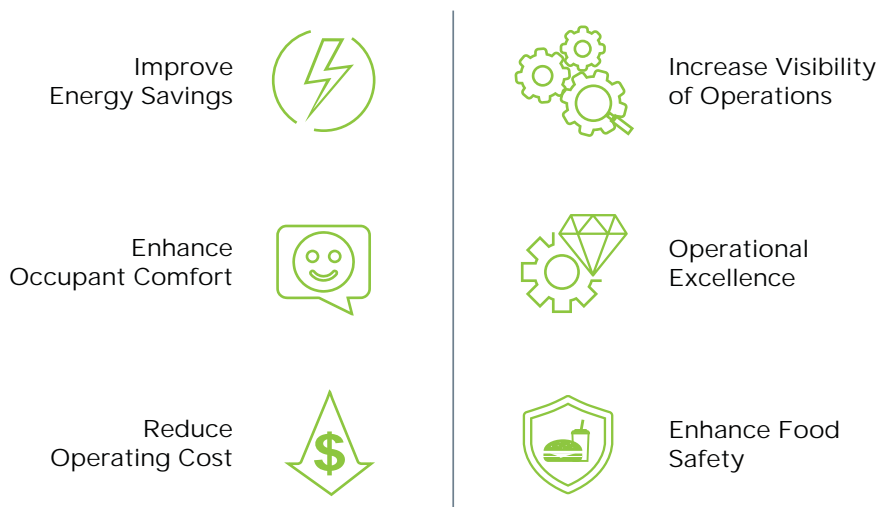
The CORTIXedge system is a plug-and-play solution that enables restaurants to go digital easily. The CORTIXedge system:

- Easily connects to restaurant equipment
- Effectively controls equipment operations
- Rapidly enables bi-directional data exchange with the cloud
- Provides insights around availability and health of equipment, policy compliance and energy efficiency

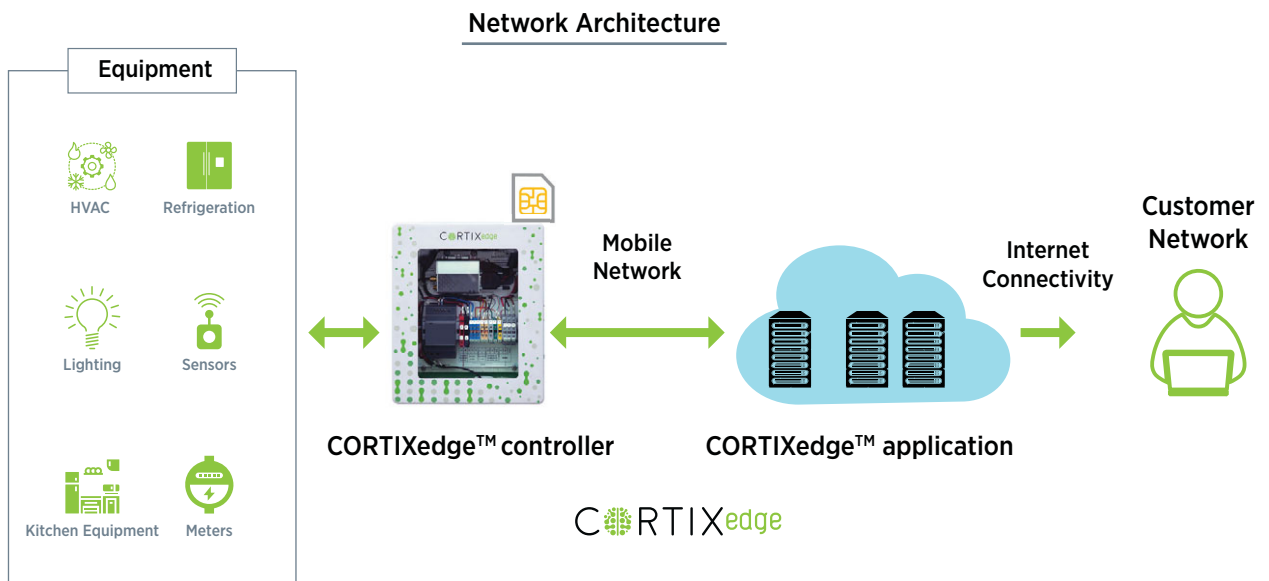


Restaurant operators can now manage their facility proactively in order to provide better experiences for their customers without dealing with the complexity of technology, connectivity, data security, the diversity of equipment in their premises, and in most cases, connecting to multiple clouds. They will also not have to deal with updating policies and schedules separately at individual restaurants, and will have a team that can carry out remote resolutions.

Our services with the CORTIXedge™ system enables restaurant operators to achieve the following:

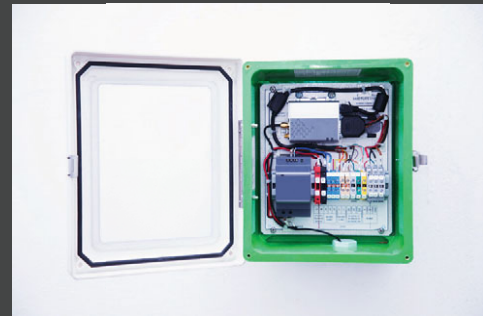


With a wide range of functionalities and enablers, the CORTIXedge system enables restaurant operators to control and manage connected equipment seamlessly.



CORTIXedge™ controller

The CORTIXedge controller is an intelligent and robust IoT device, which can easily integrate with, monitor, and control underlying edge devices like HVAC, lighting systems, refrigeration, kitchen equipment, thermostats, meters, and sensors. This easy-to-install device is bundled with modular pre-packed peripherals for restaurant application like thermostats, energy meters, temperature sensors, air quality sensors, contactors, and power supply.



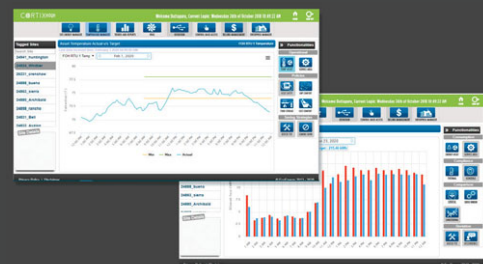
Key features:

- 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

PARAMETER	SPECIFICATIONS
Operating Voltage	DC 4.75 Volts to 32 Volts
Processor	ARM Cortex A7 Core with 1.3 GHz
Memory	128 MB RAM, 256 MB Flash
Inputs/Outputs	3 Configurable I/O's (+ I/O expansion)
SIM Interface	2FF
Supported Networks	4G LTE Cat-M1/NB1 (Bands: B1, B2, B3, B4, B5, B8, B12, B13, B17, B18, B19, B20, B26, B28) 2G EDGE, GSM, GPRS (Bands: 850, 900, 1800, 1900)
Operating Temperature	-30°C to +75°C
Cellular Antenna Type	SMA (Sub Miniature Version A)
USB	USB V2.0 Micro-B Connector
Location Services	A-GPS, GLONASS, GALILEO
UART	Configurable RS232/RS485 Sub-D9
Regulatory Approvals	FCC/IC, CE & RoHs, REACH, RCM, Safety IEC60950-1, UL Listed, GCF, PTCRB
LEDs	1 Signal LED, 1 User LED
Application Framework	Legato® Open Source
Linux Distribution	Yocto, Long-term Supported Linux Kernel
Industrial Protocol	ModBus RTU/IP
Certification	UL

CORTIXedge™ application

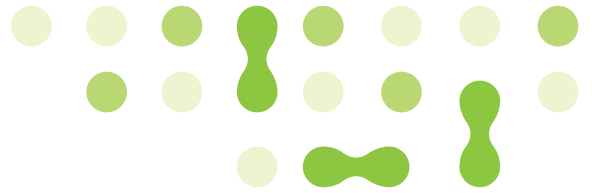
The CORTIXedge application is an IoT platform that allows users visibility into operations of various restaurant equipment through a suite of modules. It provides insights that can be acted upon to manage food safety, health of equipment, occupant comfort and energy efficiency.



Key features of the CORTIXedge™ 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
- Downloadable reports are available to the user on:
 - Energy consumption
 - Thermal compliance
 - Food safety compliance
 - Employee and guest area comfort
 - Equipment performance

*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.



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 restaurant operators to change their current mode of operations to a data-driven one.



Key services offered:

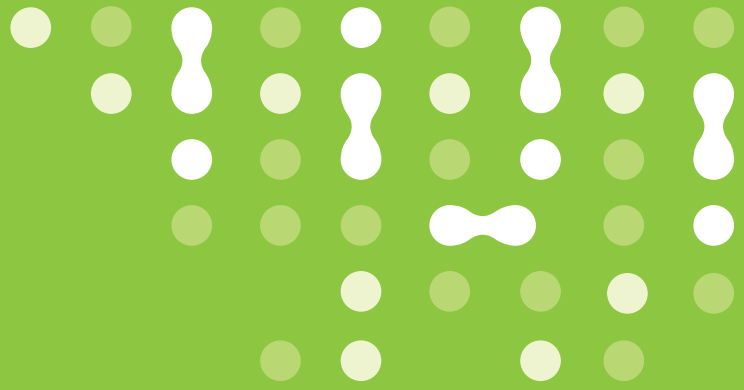
- Remote commissioning
- 24/7 service desk for remote resolutions
- Intelligent dispatches to proactively resolve equipment issues that require technician visits
- Carry out bulk or individual restaurant level changes such as schedule updates, temperature set point and policy corrections
- Verify effectiveness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

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

The CORTIXedge system has been designed for restaurant formats such as quick service and full service restaurants, casual dining restaurants and cafes. Restaurant operators can look to achieve elevated levels of operations and standards of compliance with the CORTIXedge system.



Write to us at info.ecoenergy@carrier.com and gain an edge on the way your restaurant facility equipment are managed.



About EcoEnergy Insights

EcoEnergy Insights is a leading provider of AI and IoT-enabled solutions to digitally transform building and equipment operations. Their CORTIX™ platform collects data from multiple sources, analyzes it, acts on defined deviations autonomously and offers predictive actionable insights. The platform, combined with expert human analytics, has been delivering award-winning outcomes in comfort, maintenance and energy efficiency across multiple industries such as retail, hospitality and banking. EcoEnergy Insights is a part of Carrier Global Corporation, a leading provider of innovative HVAC, refrigeration, fire, security and building automation technologies. For more information on EcoEnergy Insights and the CORTIX™ platform, visit www.ecoenergyinsights.com and www.cortix.ai.

