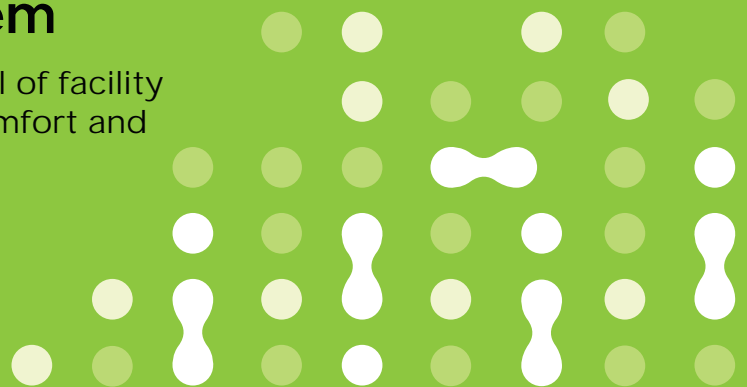
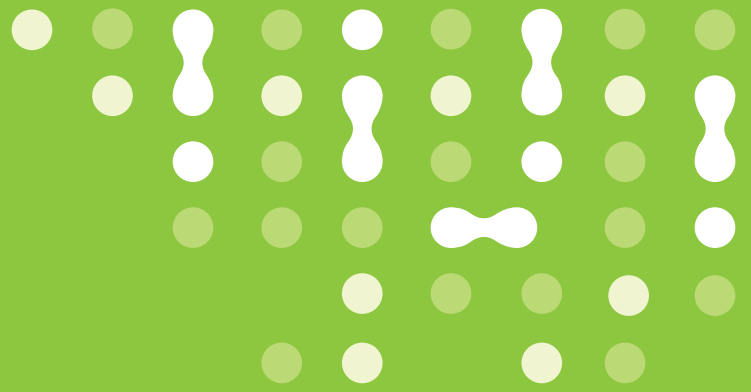


## Connect, control and optimize your retail banking network with the CORTIXedge™ system

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

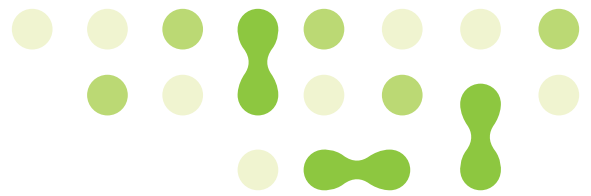




In today's digital age, the ability to rapidly connect and harness data from critical bank branch assets like HVAC, lighting, UPS, DG Sets, ATMs and server rooms is imperative for comfortable and efficient operations. EcoEnergy Insights has developed the CORTIXedge™ system, which allows banks to efficiently manage their branch operations remotely and digitize their network.

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

- easily connects to facility equipment such as lighting systems and HVAC
- enables effective control of Indoor Air Quality (IAQ)
- effectively controls equipment operations
- rapidly enables bi-directional data exchange with the cloud
- provides insights around availability and health of assets, policy compliance and energy efficiency



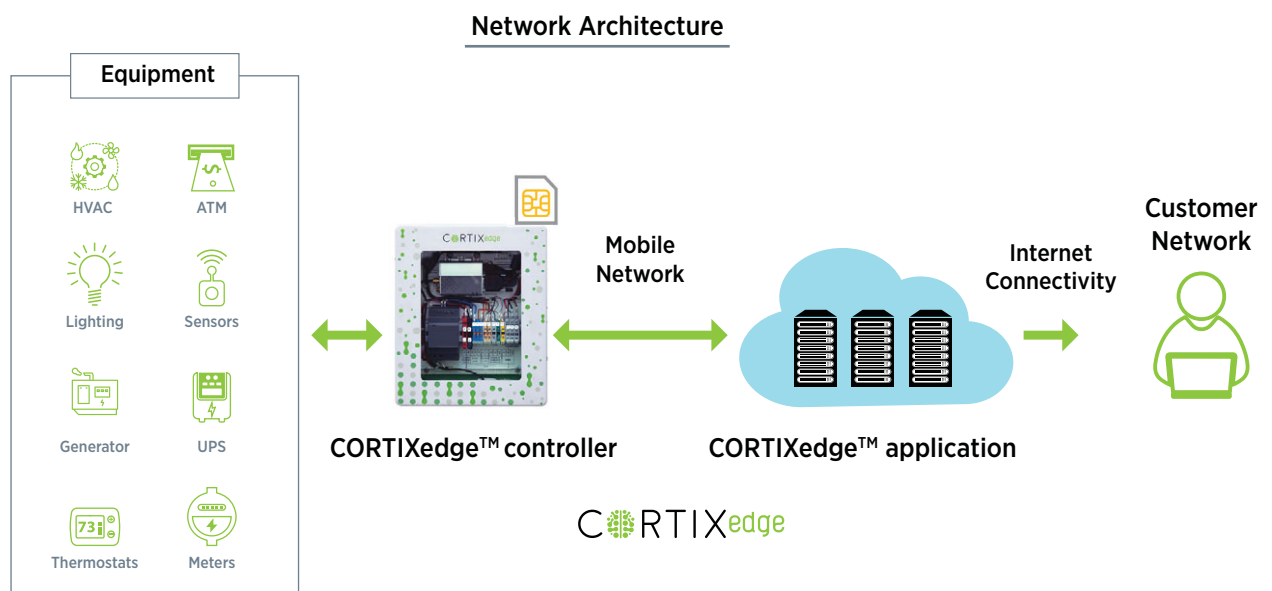
Banks can now manage their branch network proactively in order to provide a safe and comfortable environment for their staff and customers, without dealing with the complexity of technology, connectivity, data security, the diversity of equipment in their premises and, in most cases, connecting to multiple clouds.

They will also not have to deal with updating policies and schedules separately at individual branches and will have a team that can carry out remote resolutions.

## Our services with the CORTIXedge™ system enables banks to achieve the following:

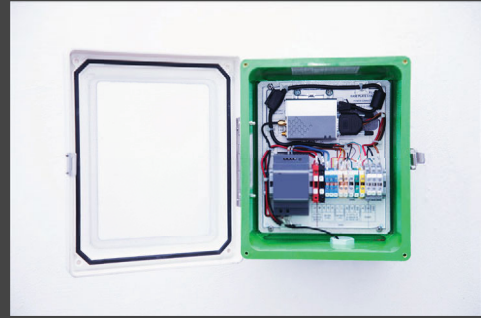


With a wide range of functionalities and enablers, the CORTIXedge system provides banks with the ability to control and manage connected equipment at their branches, seamlessly.



## 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, thermostats, meters, and sensors. This easy-to-install device is bundled with modular pre-packed peripherals for bank applications like thermostats, energy meters, temperature sensors, air quality sensors, contactors, and a power supply.



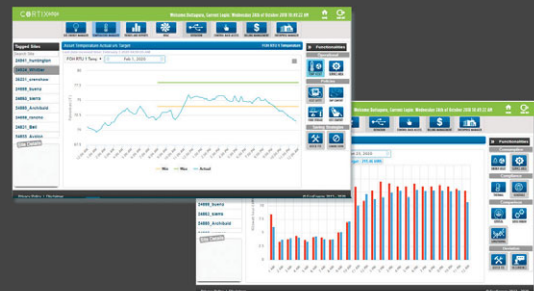
### Key features:

- 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

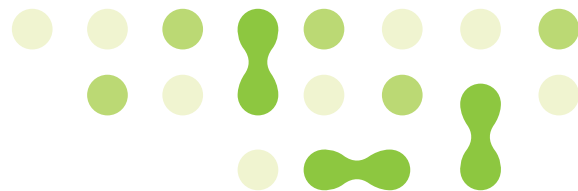
The CORTIXedge application is an IoT platform that provides users with visibility into operations of various bank branch equipment through a suite of modules. It provides insights that can be acted upon to manage the health of equipment, occupant comfort and energy efficiency.



### 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
- Downloadable reports are available to the user on:
  - Energy consumption
  - Thermal compliance
  - Occupant comfort
  - Equipment performance

\*Our patented framework enables us to identify the relationship between energy consumption patterns (measured in kWh) and operation 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 bank operators to change their current mode of operations to a data driven one.



### Key services offered:

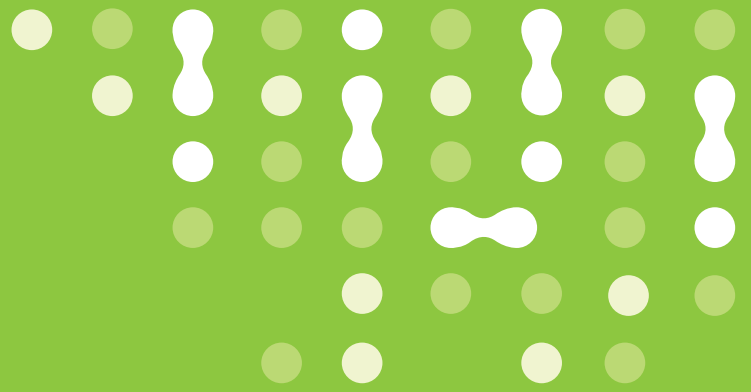
- Remote commissioning
- 24/7 service desk for remote resolutions
- Intelligent dispatches to pro-actively resolve equipment issues that require technician visits
- Carry out bulk or individual branch level changes such as schedule updates, temperature set point and policy corrections
- Verify effectiveness of any maintenance or repair at a branch 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 the requests for making configuration changes such as schedule updates and updating store temperature policies.

The CORTIXedge system has been designed for bank branch operations. Banks can look to achieve elevated levels of Indoor Air Quality, Comfort, Policy Compliance and Energy Efficiency at their branches, with the CORTIXedge system.



Write to us at [info.ecoenergy@carrier.com](mailto:info.ecoenergy@carrier.com) and gain an edge on the way your banking 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](http://www.ecoenergyinsights.com) and [www.cortix.ai](http://www.cortix.ai).

