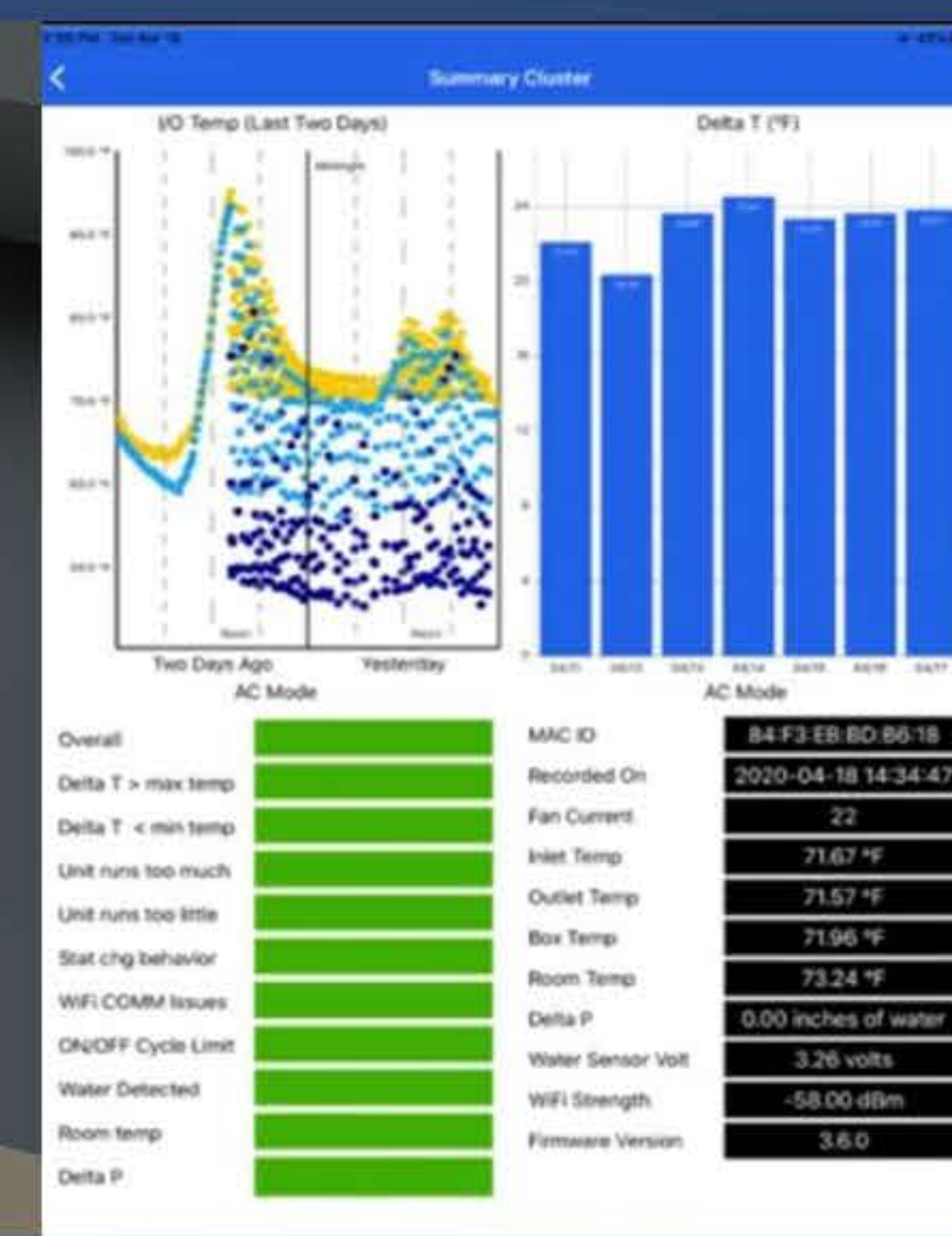
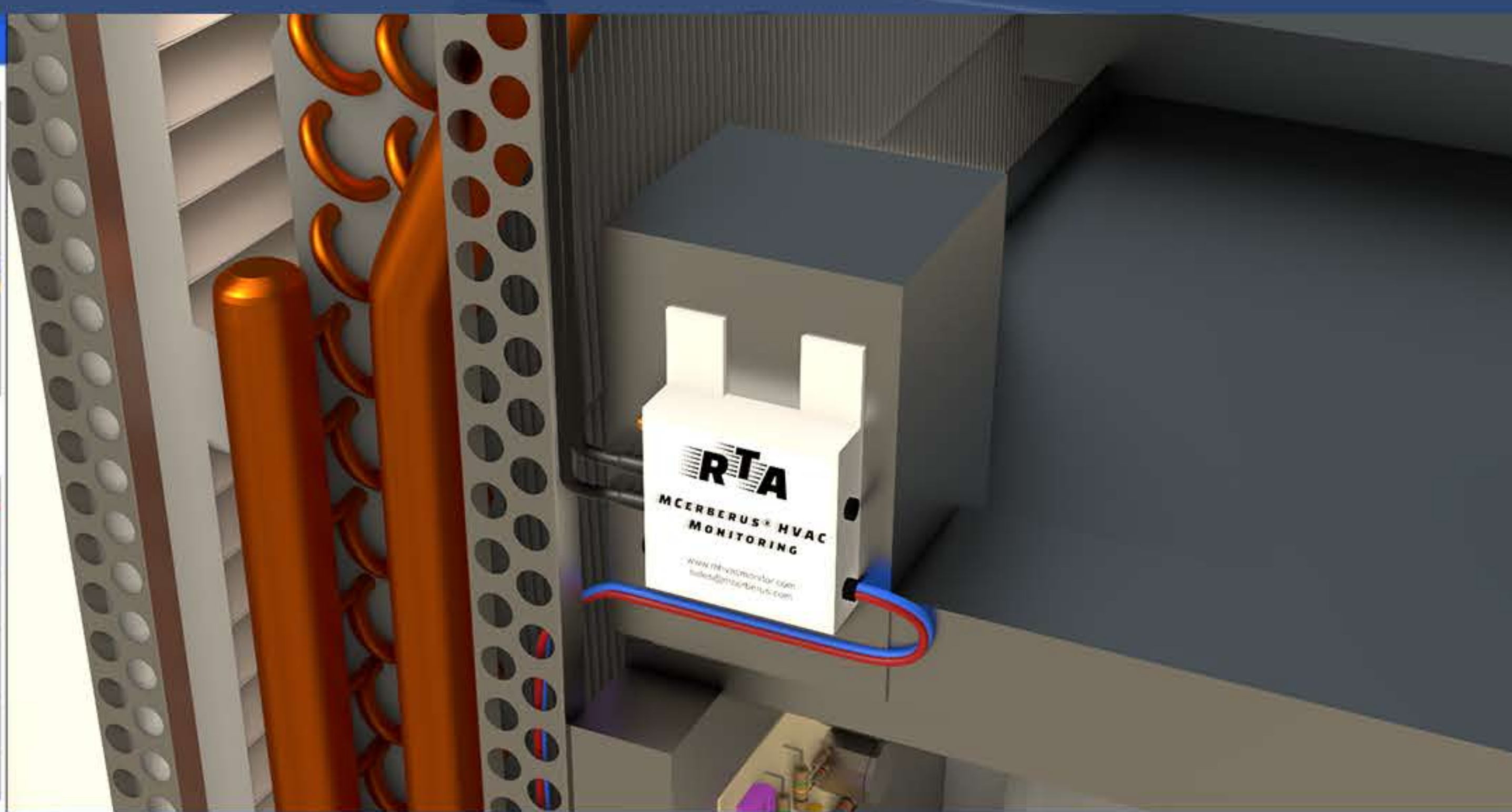
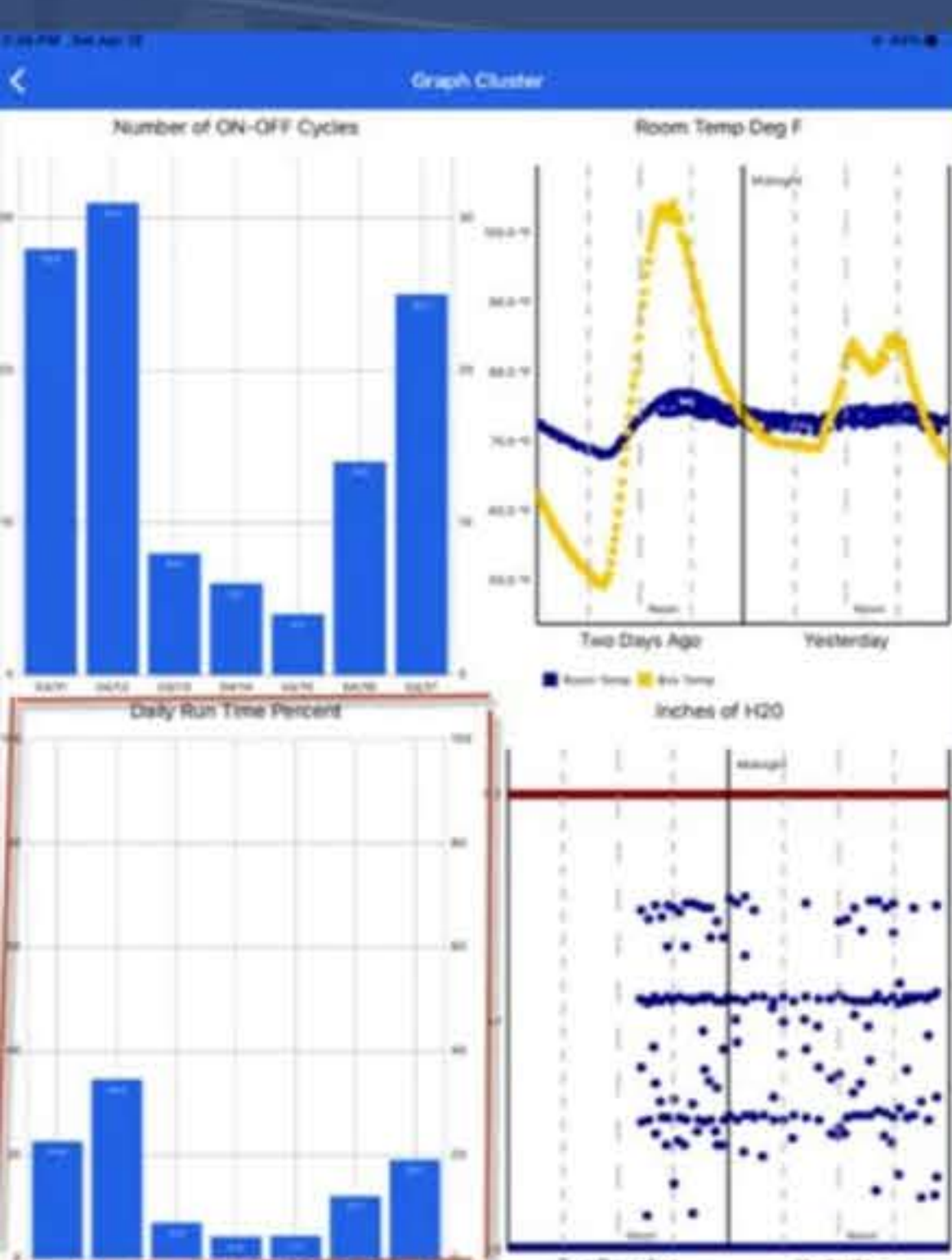
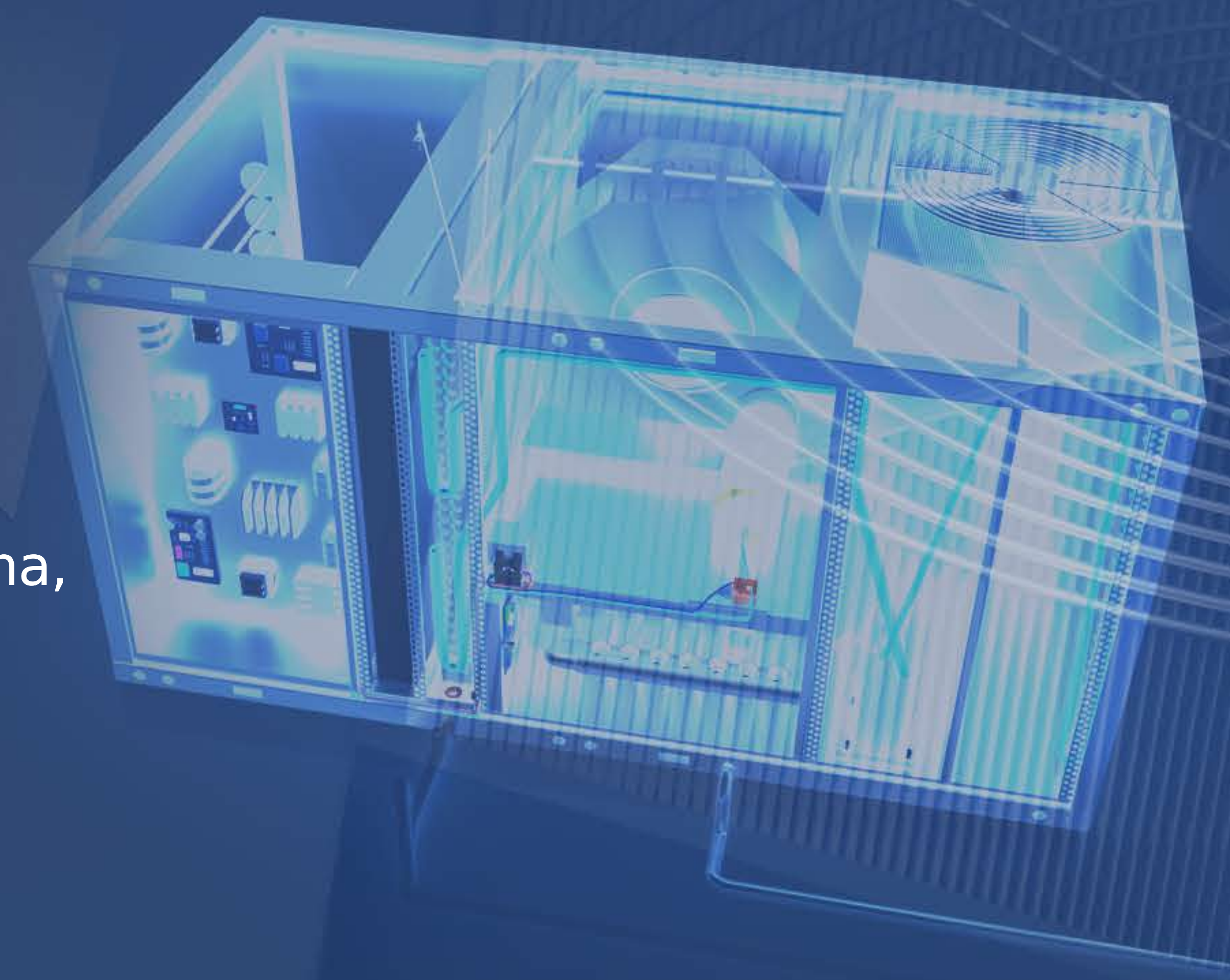


MCerberus® RTU

The HVAC Monitoring Watchdog

The MCerberus® RTU Series is the HVAC monitoring system that can be installed on business and commercial Roof Top Units (RTU) that support air conditioning and heating systems.

- The System is designed for the HVAC Contractor who may require the capability to monitor hundreds of installations as well as the business owner that want to monitor roof top units on commercial and business installations.
- Our product has over a six (6) year installation history with a proven track record. Our installations are located in multiple states including Texas, Louisiana, Minnesota, Iowa, Kansas, Virginia, Tennessee, Arizona, California, and Florida.
- Our back end SOFTWARE application analyzes the data obtained by the hardware unit and determines the current state of the HVAC system.
- System includes an iPhone/Android mobile app (at no additional charge) that allows you to see the state of your HVAC system remotely and receive push notifications if and when issues are detected.
- Contact us for dealership opportunities



HARDWARE

The MCerberus® Hardware system measures the Inlet Temperature, Outlet Temperature, and Fan Current Draw (amps) every minute and stores the data to our Cloud Based MySQL Database. This data transfer and storage is completed via your WiFi Network which then allows for subsequent analysis of operating performance from a remote location such as your office.



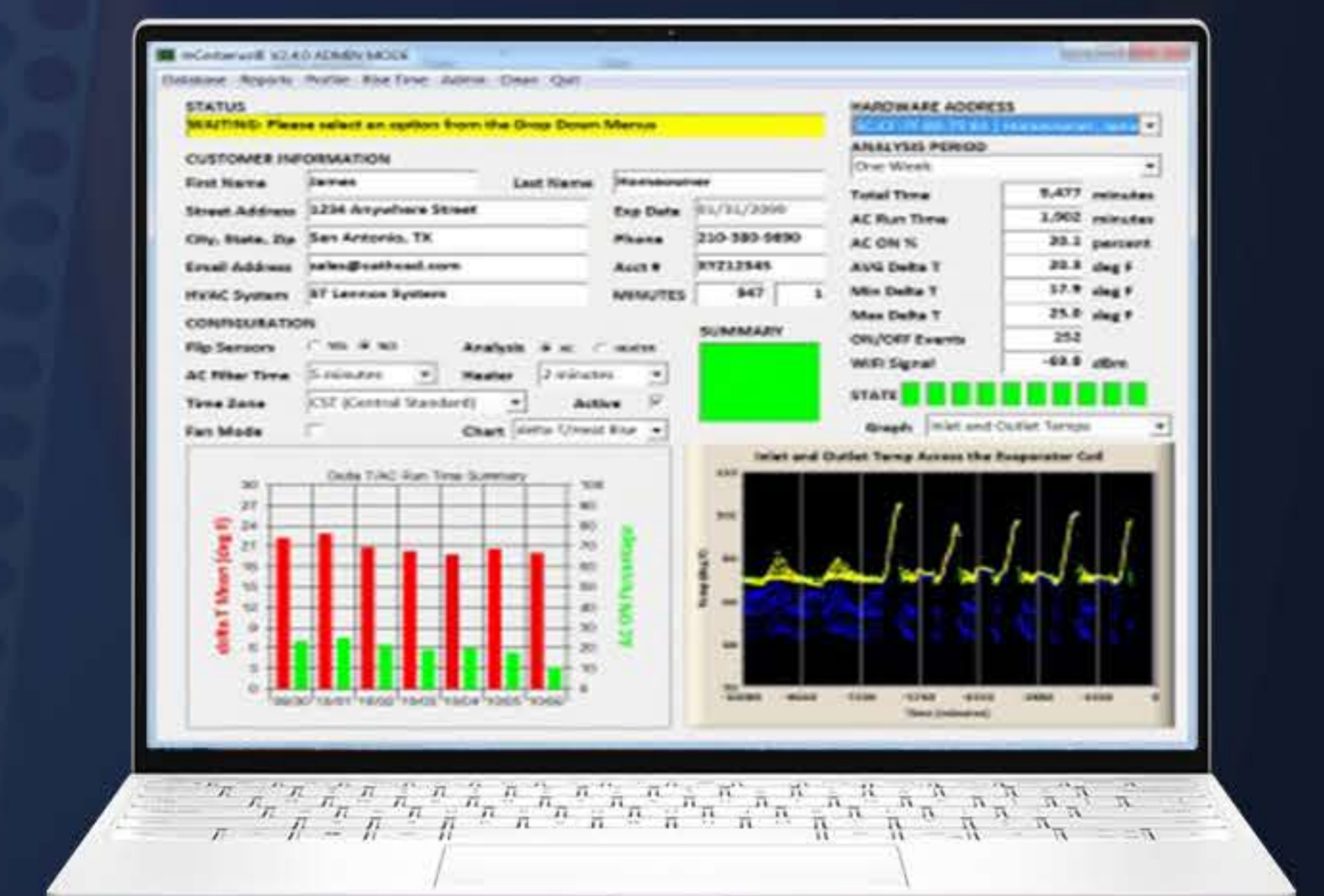
We provide a Back End Office program which is used to analyze and summarize the current performance of the monitored HVAC.

The MCerberus® 400 Series Hardware Kit consists of the following items:

- Inlet Temperature sensor
- Outlet Temperature sensor
- Current Probe
- Water Detection Sensor: Multiple water sensor options are available for monitoring the drain pan as well as the condensate drainline.
- The MCerberus® DAQ unit (MCB-400) which includes WiFi capability: Multiple external antenna options are available for maximizing the signal strength to the unit
- Optional delta P hardware for monitoring HVAC air filter

SOFTWARE

The MCerberus® HVAC Monitoring Software System is the Back End Office application that runs on a Windows 7/8/10 environment. The Software downloads the data set for an installation and reports the current performance of the monitored system.



The Software provides the following additional features:

- Ability to enter and save all pertinent customer information associated with a particular installation that is being monitored.
- Configure and set warning limits for Delta T Low Limit, Delta T High Limit, AC ON/OFF percent, Heat Rise Low Limit, Heat Rise High Limit, and Heater ON/OFF percent.
- The Software includes a proprietary algorithm that is able to detect statistical changes in the HVAC system's performance allowing us to detect HVAC issues early.
- The Software also includes an adaptive learn algorithm to determines the expected run time of each installed unit based on outdoor temperature.

The MCerberus® HVAC Monitoring System provides the ability to the Contractor to identify HVAC issues early. Imagine calling your customer on the phone and telling them that their HVAC system requires service BEFORE the customer even realizes that there is a problem.



RT Automation

Address: 14111 Bluff Grove Dr,
San Antonio, TX 78216

Phone: 210-380-9890

Email: sales@mcerberus.com

Website: www.mhvacmonitor.com