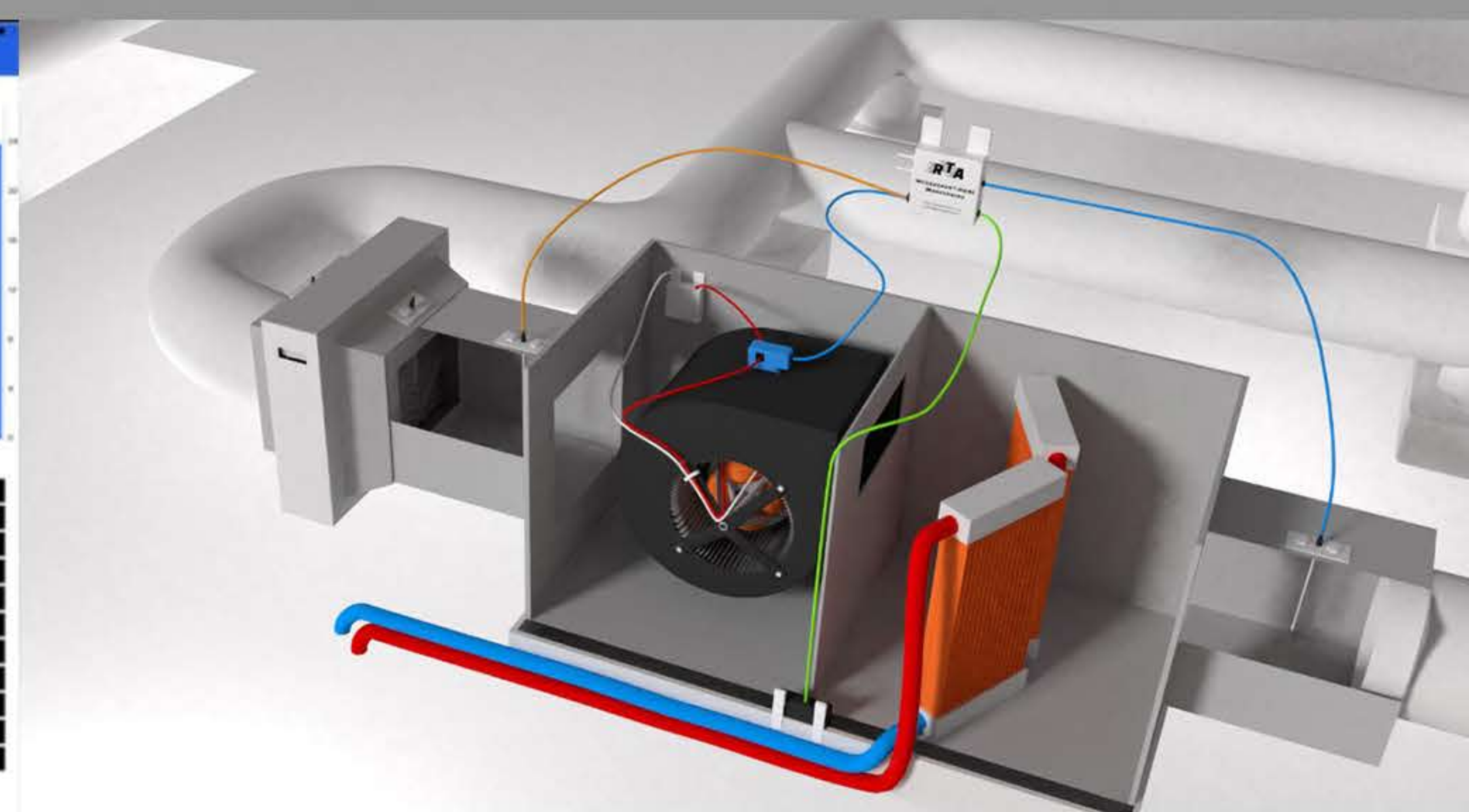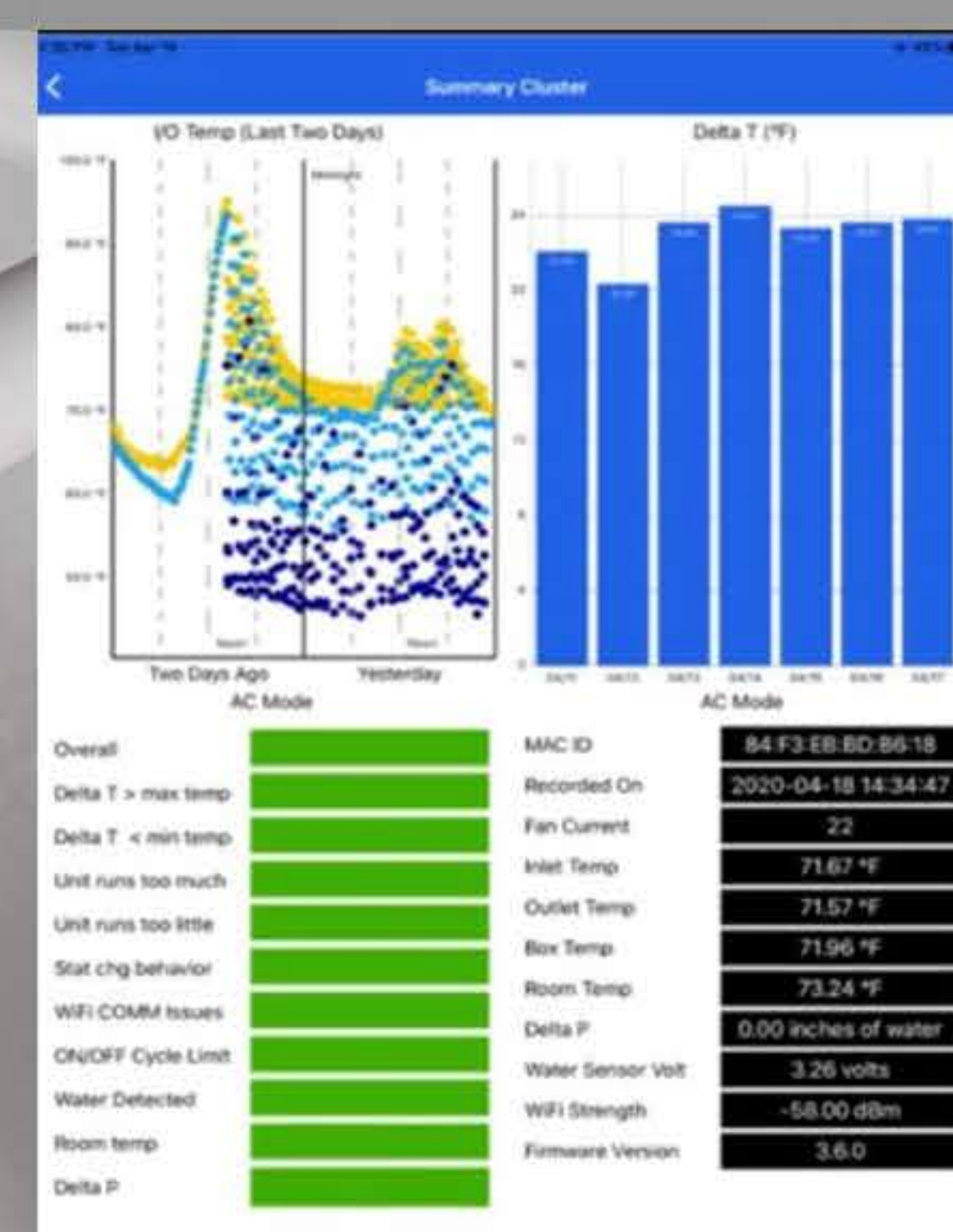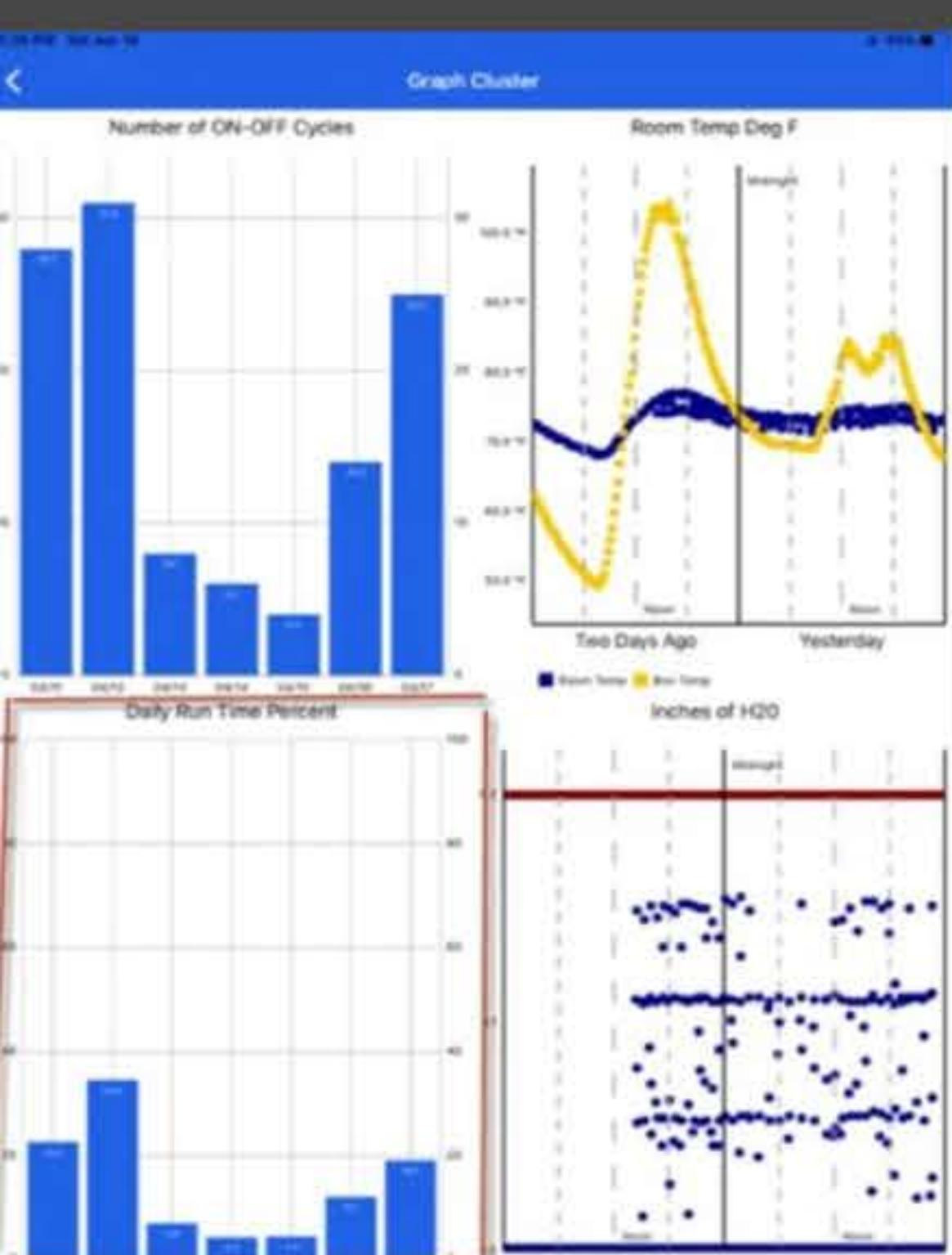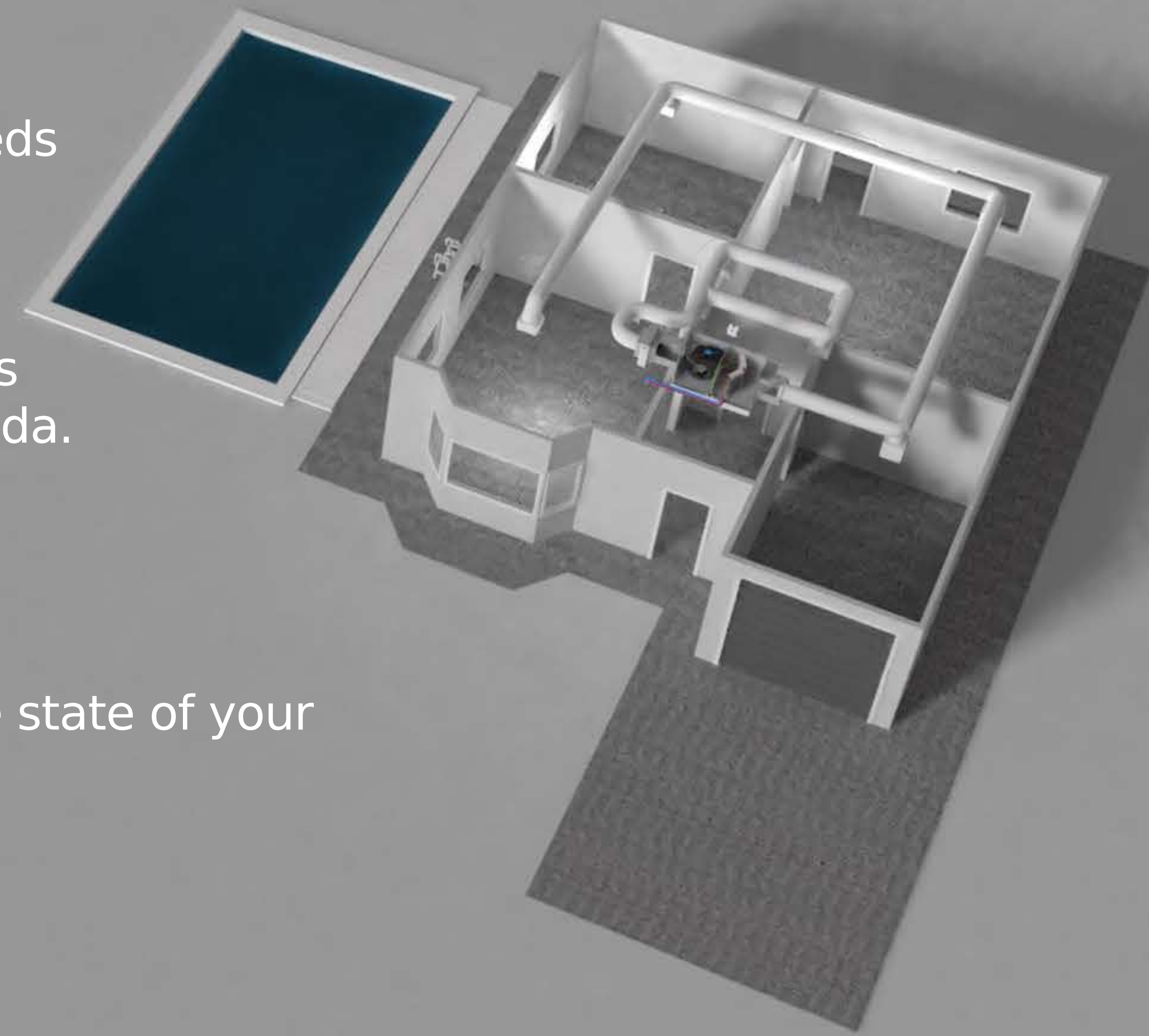# MCerberus®
The HVAC Monitoring Watchdog

The MCerberus® MCB-400 Series is the HVAC monitoring system (patents pending) that can be installed in fifteen minutes on home or business central (forced air) 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 home or business owner that want to monitor their personal home, vacation home, and/or rental units.

• Our product has over a five (5) year installation history with a proven track record. Our installations are located in multiple states including Texas, Louisiana, Minnesota, Iowa, Virginia, Arizona, 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 that provide exclusive territory assignments as well as our HVAC Contractor pricing.

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
• The MCerberus® DAQ unit (MCB-400) which includes WiFi capability.
• Optional room temp sensor
• Optional delta P hardware for monitoring HVAC air filter

We invite you to CONTACT US to obtain more information with regard to this product. We also have a DEMO PROGRAM that may be downloaded and installed on your computer which allows you to analyze and view the results from our installed field units that are being monitored.

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 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.

To illustrate this concept, we provide one AC Failure case study and one Furnace Failure case study on our website.

RT Automation

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