



# MadgeTech Wireless Monitoring System

The MadgeTech system accommodates a wide variety of industries and applications, and offers real-time, continuous monitoring, and configurable alarm notifications.

- Quick & Easy Setup
- Free Lifetime Support

- Text & Email Notifications
- Unlimited Scalability



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# Wireless System Components

BUILDING YOUR DATA LOGGING SYSTEM







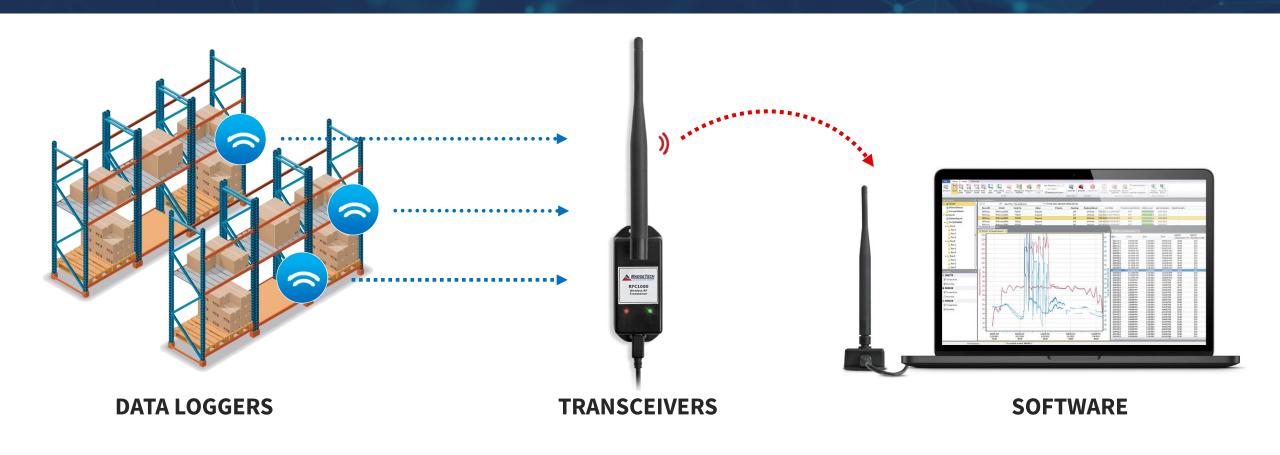
**DATA LOGGER** 

**TRANSCEIVER** 

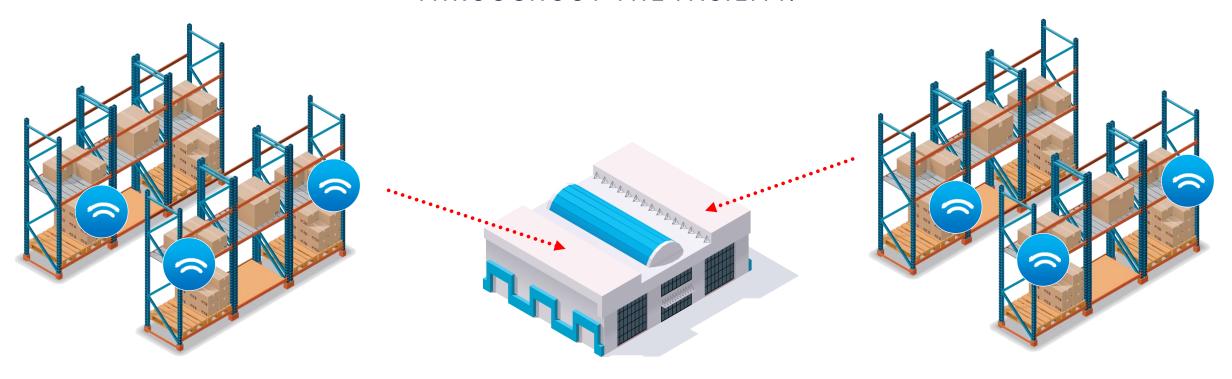
**SOFTWARE** 

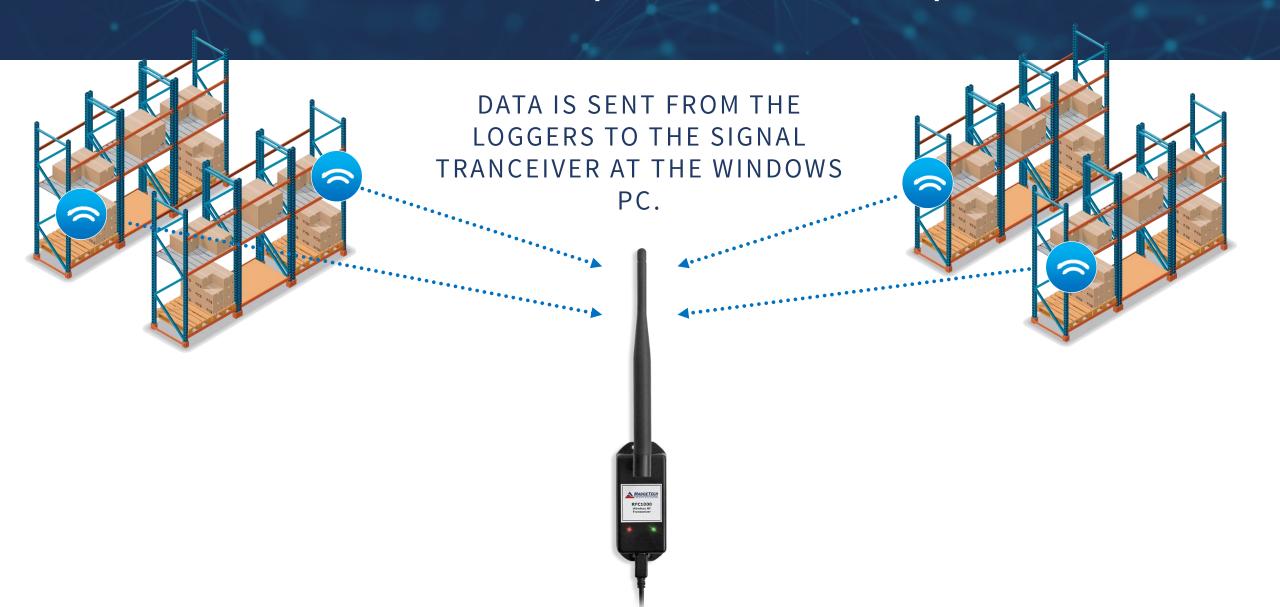
## Wireless Network Overview

DATA LOGGER COMMUNICATION THROUGHOUT YOUR FACILITY

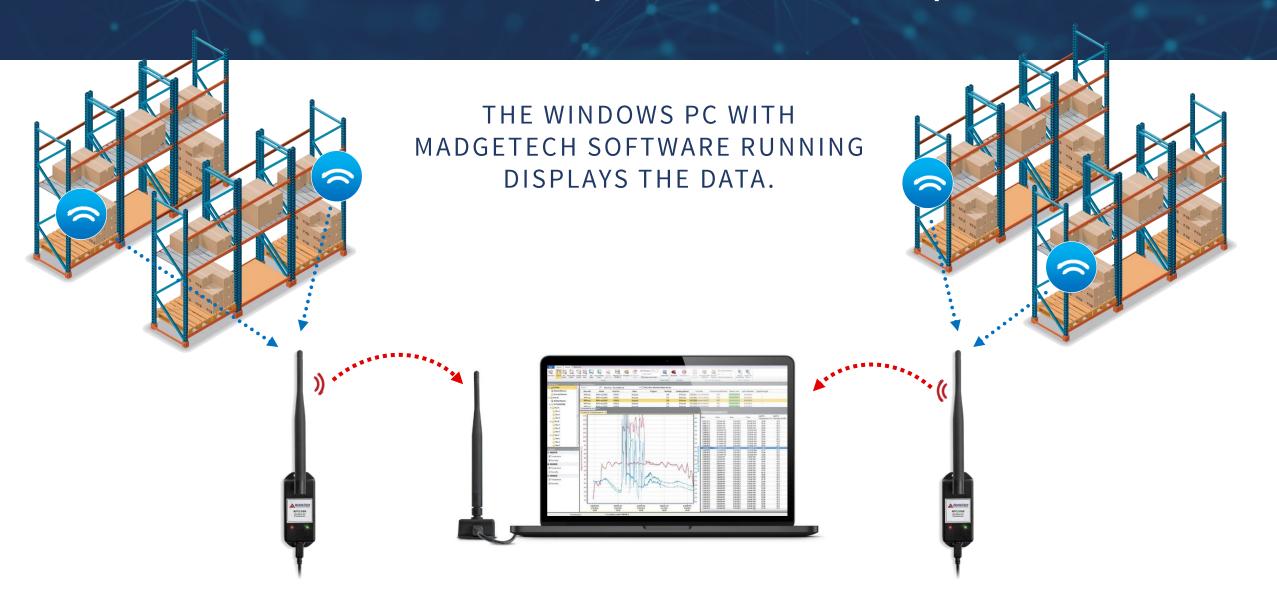


DATA LOGGERS ARE DEPLOYED THROUGHOUT THE FACILITY.



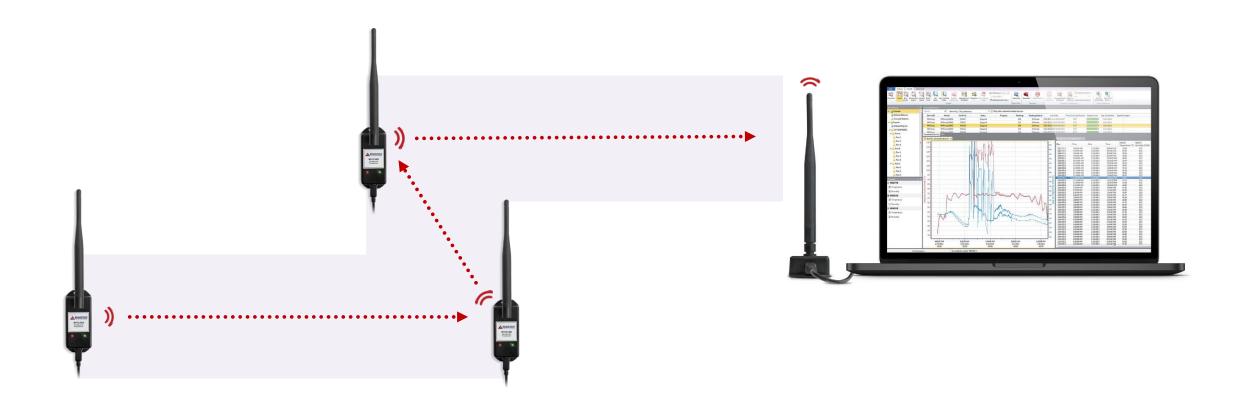






# Avoiding Wireless Interference

SIGNAL RELAYS ARE USED TO OVERCOME OBSTACLES OR OBSTRUCTIONS UNITS ARE SIMPLY PLUGGED INTO ELECTRICAL OUTLETS IN THE DESIRED LOCATIONS





## 2000A Series

#### WIRELESS DATA LOGGERS

Ideal for real-time, continuous monitoring and offer configurable alarm notifications.

Data is transmitted in real-time to a central PC, or directly to the MadgeTech Cloud.

Ambient Temperature

Voltage

Remote Temperature

Pulse

Humidity

Current

Pressure

Carbon Dioxide



## 2000A Series

#### WIRELESS DATA LOGGERS



RFTemp2000A Ambient Temperature Data Logger



RFRHTemp2000A Humidity & Temperature Data Logger



RFPRHTemp2000A
Pressure, Humidity &
Temperature Data Logger



RFTCTemp2000A Thermocouple Data Logger



RFRTDTemp2000A
Precision RTD Data
Logger



**RFVolt2000A**Voltage Data Logger



RFPulse2000A
Pulse Data Logger



**RFCurrent2000A**DC Current Data Logger



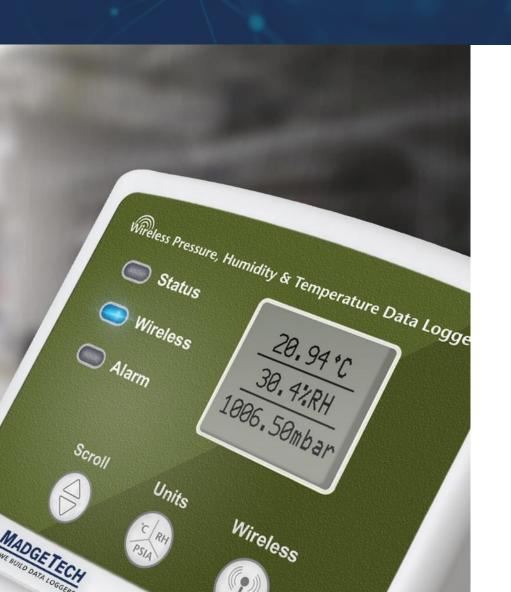
RFCO2RHTemp2000A CO2, Humidity & Temperature Data Logger



VTMS
Vaccine Temperature
Monitoring System

## 2000A Series Features

#### WIRELESS DATA LOGGERS





View Data in Real-Time



Wireless Communication



32,256 Readings



Audible & LED Alarm Indicators



External Power Supply



LCD Screen



Text & Email Alarm Notifications

## RFOT



#### Wireless Meat Temperature Data Logger

- Complete Meat Process Monitoring (Cooking, Cooling & Storage)
- Equipped with a Rugged Piercing Probe
- Operating Environment: -20 °C to +100 °C (-4 °F to 212 °F)
- Splash-Proof (IP67)



#### Wireless Transceiver

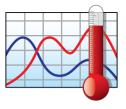
- Long transmission range, for better performance in occluded environments such as ovens & refrigerators.
- External antenna allows flexibility with mounting positions in both orientation & proximity to obstructions.
- CE Approved
- Splash-Proof







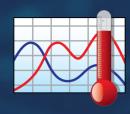
# MadgeTech Software





# Data Logger Software

#### MADGETECH 4 SOFTWARE



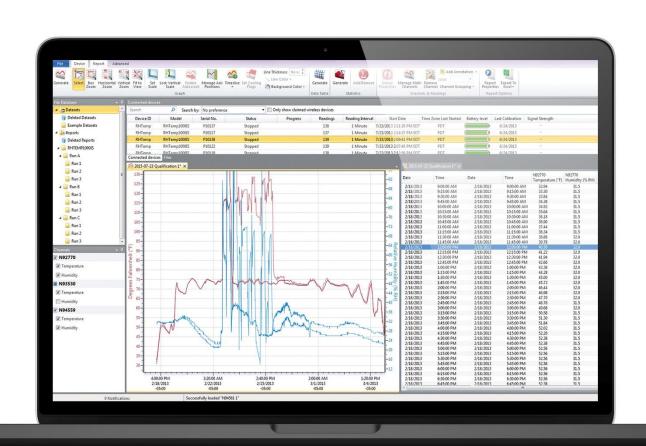


#### Powerful Data Analysis

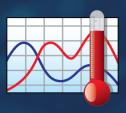
- Customizable Reports
  - Graph, Tabular Data & Reports
- Annotate data points on the graph or tabular data.
- Statistics include minimum, maximum, average, time above temperature & more.

#### User Friendly

- Immediate device status information
- Digital calibration
- Automatic data saving
- Export to Excel

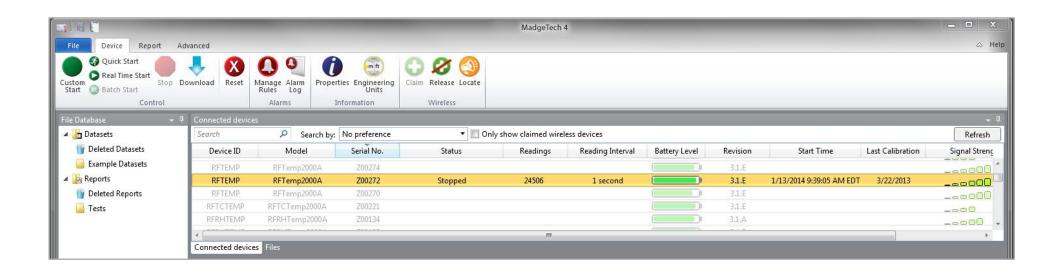


#### MADGETECH 4 SOFTWARE



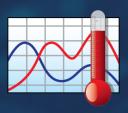


- All wireless loggers within range will be identified and displayed in the **Connected Devices** panel.
- Device information is displayed including Device ID, Serial Number, Last Calibration Date and Battery Level.
- Multiple devices can be connected, configured and operated simultaneously.



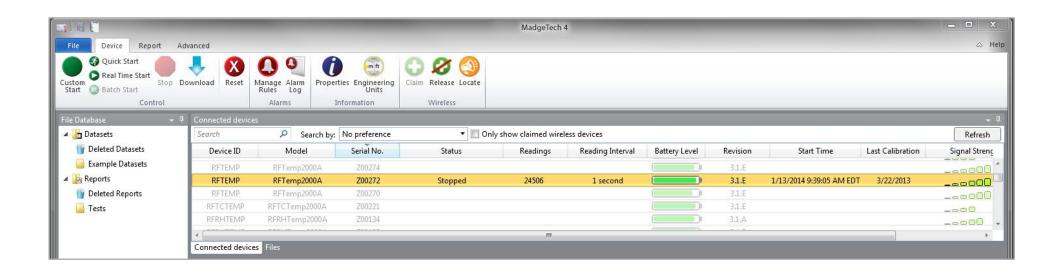
## Communication

#### MADGETECH 4 SOFTWARE



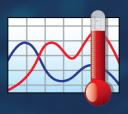


- To communicate and configure a wireless data logger, highlight the device within the **Connected Devices** panel and then click the **Claim** icon.
- Once a data logger is claimed, additional device information and configuration options are available.



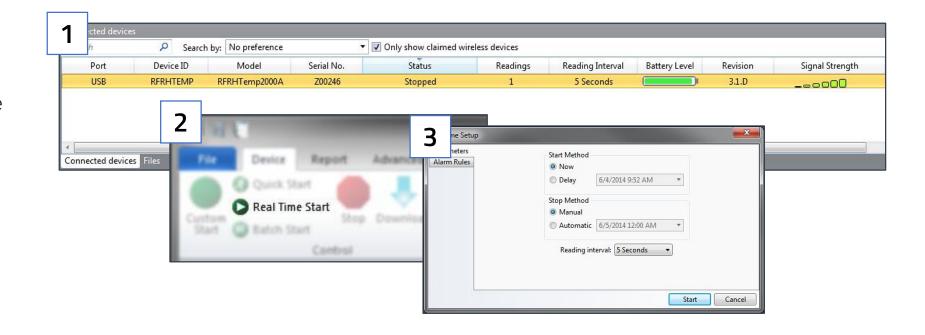
## Start in Real-Time

#### MADGETECH 4 SOFTWARE

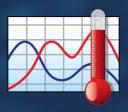




- Select the device within the Connected Devices panel.
- Select **Real-Time Start** from the Control tab in the top menu bar.
- Choose your parameters for reading rate, immediate or delay start.



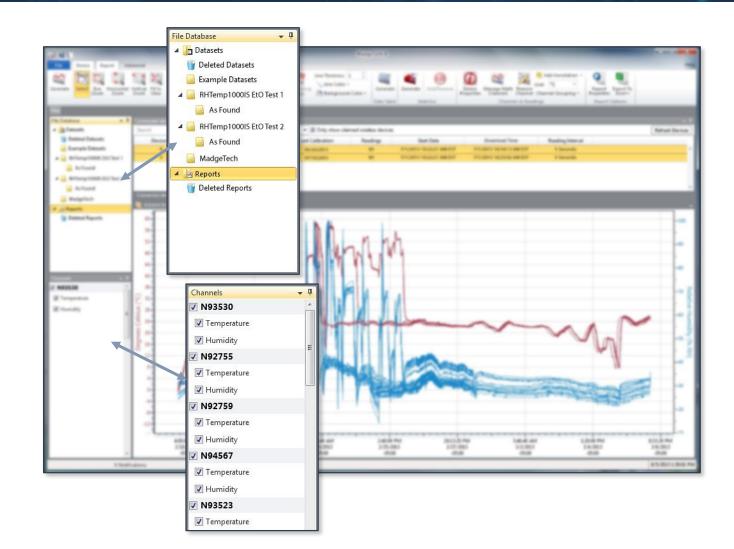
#### MADGETECH 4 SOFTWARE





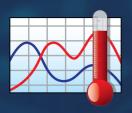
#### Data Handling & File Database

- As data is transmitted, it is saved to the built-in file database.
- Downloaded data is saved in the Datasets folder.
- When in Real-Time mode, a graph can automatically be generated and displayed.
- Customized graphs and compiled data can be saved to the Reports Folder.
- The look and feel is comparable to standard office software to aid in user friendliness and ease of use.



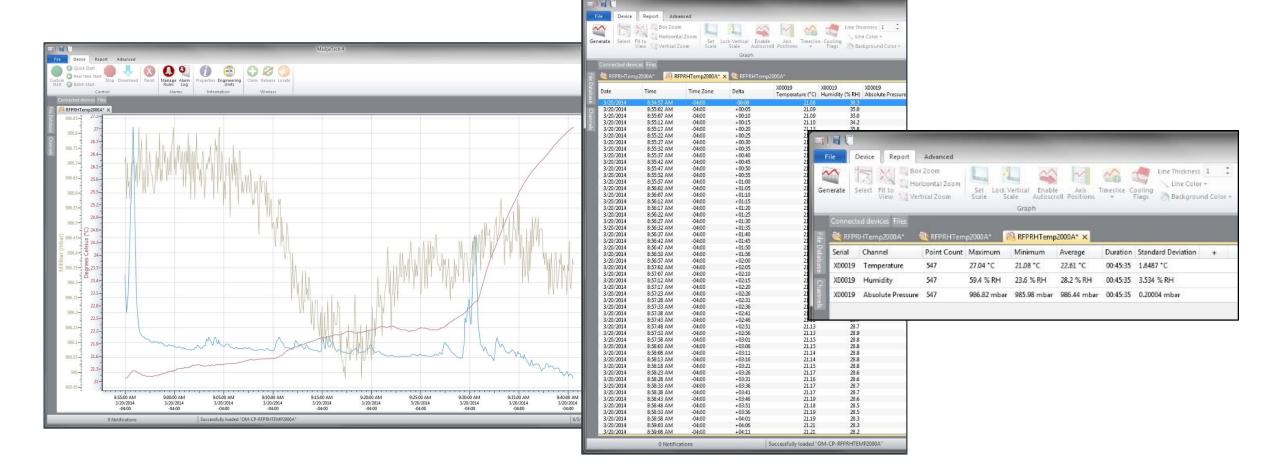
# Data Analysis

#### MADGETECH 4 SOFTWARE

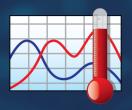




#### Graphs, Statistics & Tabular Data



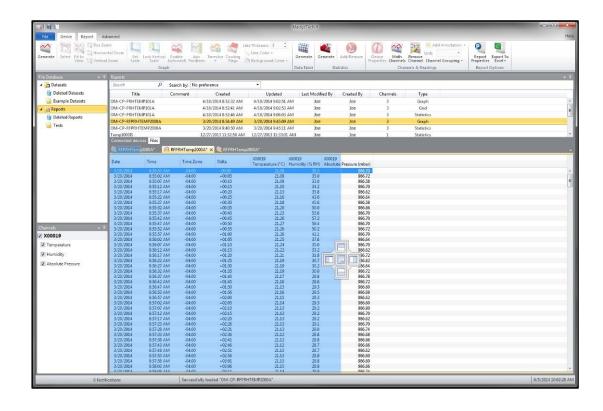
#### MADGETECH 4 SOFTWARE

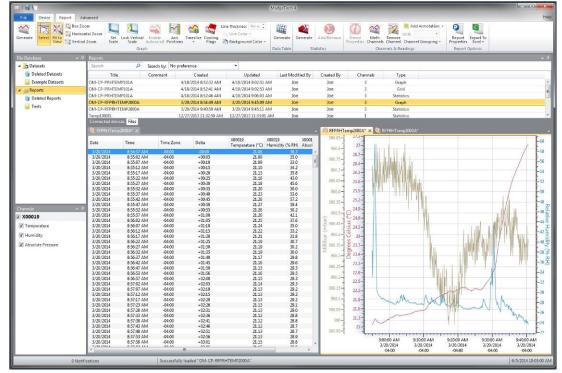




#### Customizable Interface

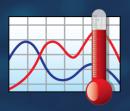
To increase efficiency, the MadgeTech software allows users to customize the layout of the screen multiple ways to better suit their needs.





## Export to Excel

#### MADGETECH 4 SOFTWARE

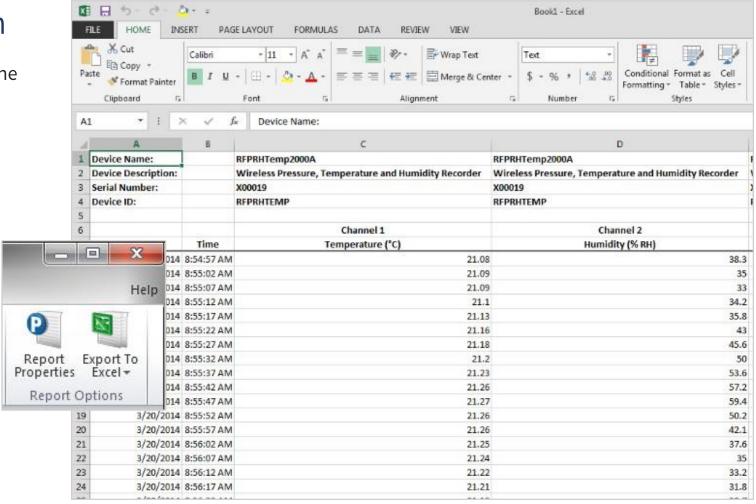




#### Export With the Click of a Button

MadgeTech Software makes data review easy with the ability to export to Microsoft Excel.





#### MADGETECH 4 SECURE SOFTWARE



## Aiding in 21 CFR Part 11 Compliance

MadgeTech 4 Secure Software aids customers in compliance with 21 CFR Part 11 requirements. The software ensures standards in which electronic files are considered equivalent to paper records, saving time and effort.

- MadgeTech 4 Secure Software Package
- IQ/OQ/PQ Protocols
- Software Validation Workbook





## Aids in Compliance with FDA 21 CFR Part 11/820 and GxP Guidelines

Additional security benefits such as:



**Audit Trails** 



Secure Data Files



Administrative Privileges



Electronic Signatures

# MadgeTech Cloud Services

## Features

#### MADGETECH CLOUD SERVICES



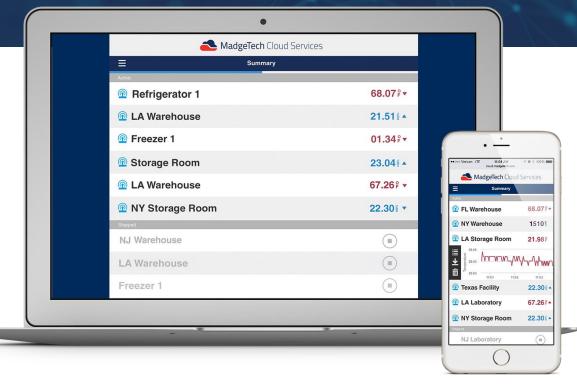
With MadgeTech Cloud Services, a wireless data logger system can securely transmit data in real-time to be viewed on any internet or data enabled device such as a computer, tablet or mobile device.



## Features

#### MADGETECH CLOUD SERVICES







View Data in Real-Time



Access Data Instantly



Secure Solution



Email & Text Notifications



Quick & Easy Setup





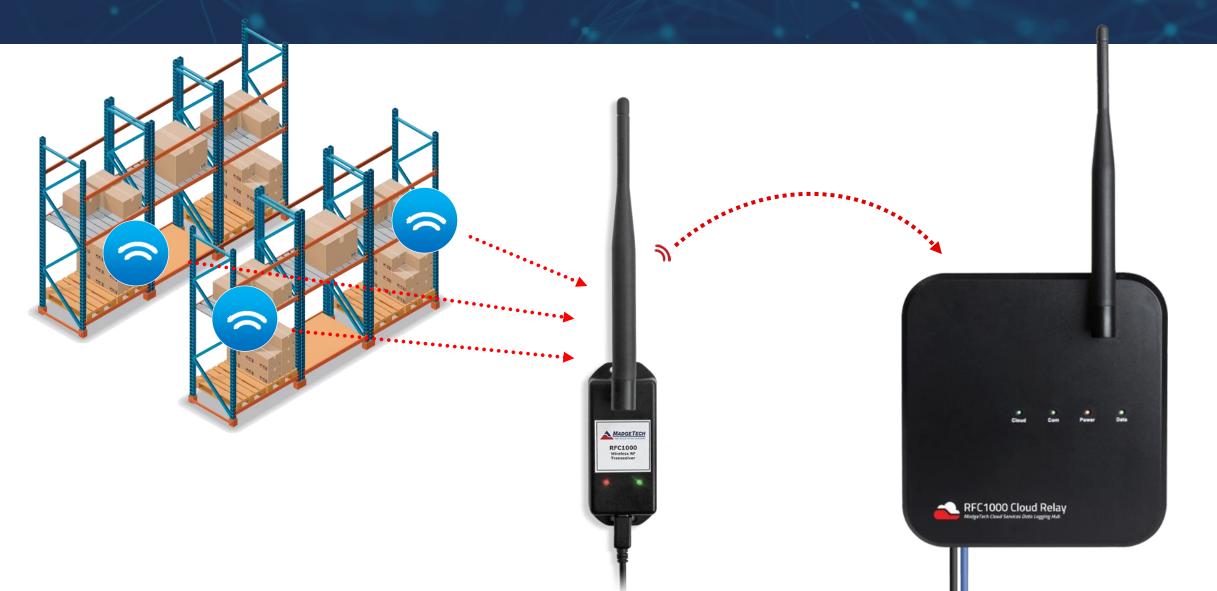
#### Wireless Data Logging Hub

- Transmits data directly to the cloud, eliminating the need for a Central PC.
- Real-time data can be viewed from any internet enabled device.

# RFC1000 Cloud Relay

MADGETECH CLOUD SERVICES

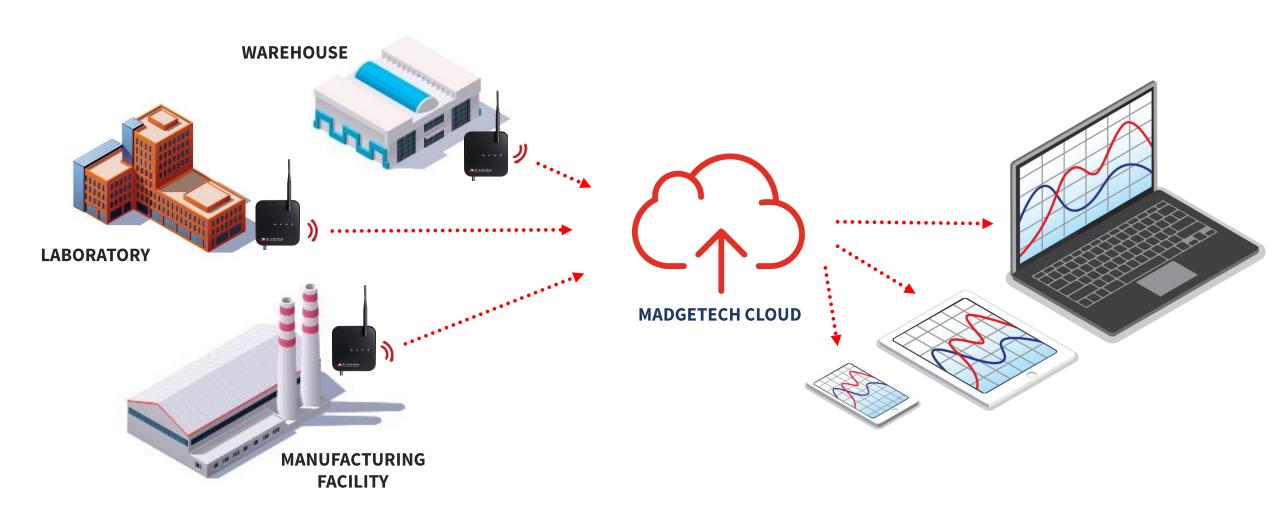




# RFC1000 Cloud Relay

#### MADGETECH CLOUD SERVICES





# MadgeTech Customer Support



MadgeTech data loggers come with a one year manufacturers warranty.

Free support available for the lifetime of the product.

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