



Encircle™ Remote Termite Detection System Overview

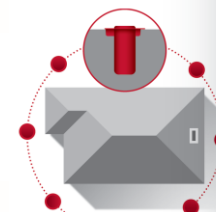
Dr. Bob Davis, BCE
BASF Professional & Specialty Solutions
robert.davis@basf.com

ASPCRO Annual Meeting
Minneapolis, MN

August 19, 2022

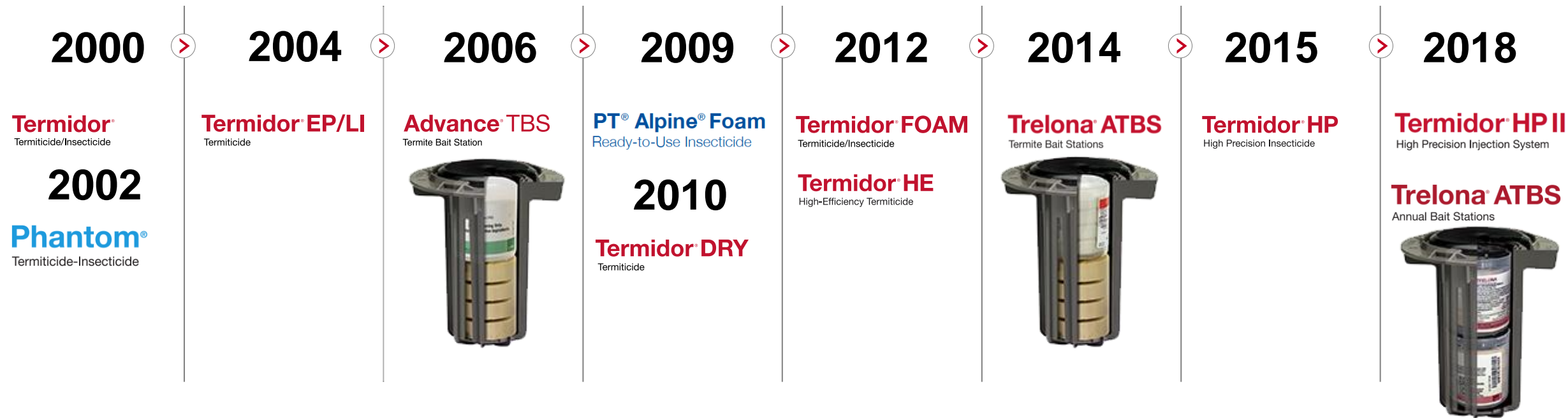


Encircle™
Remote Termite Detection System



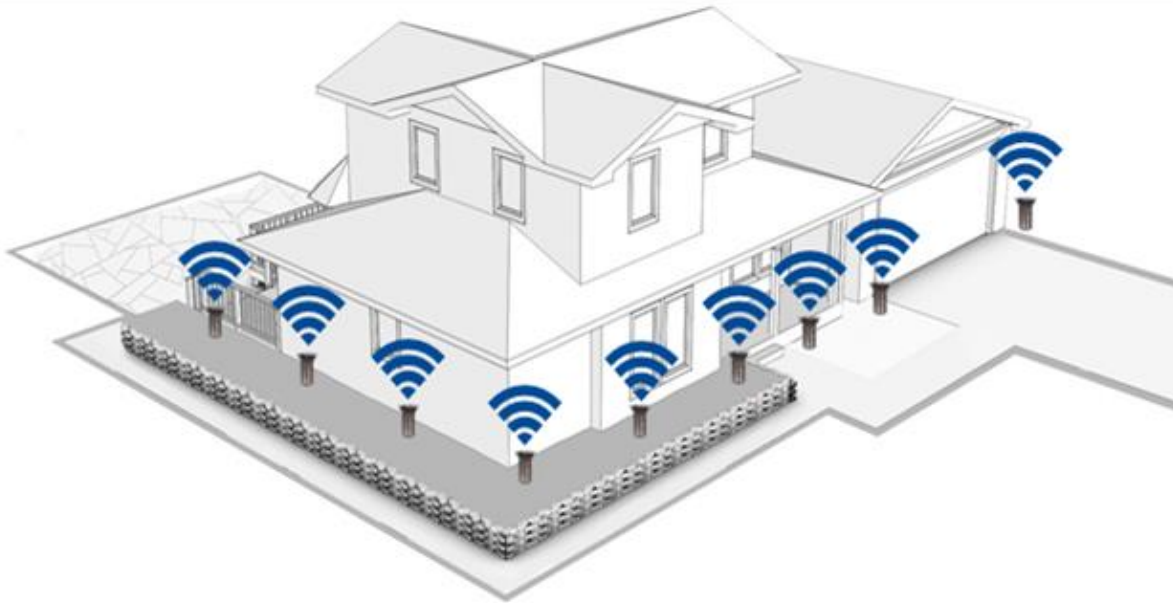
BASF Termite Management Solutions

Our Commitment to Innovation Continues



Introducing Encircle™ Remote Termite Detection System

Opportunity



Encircle™

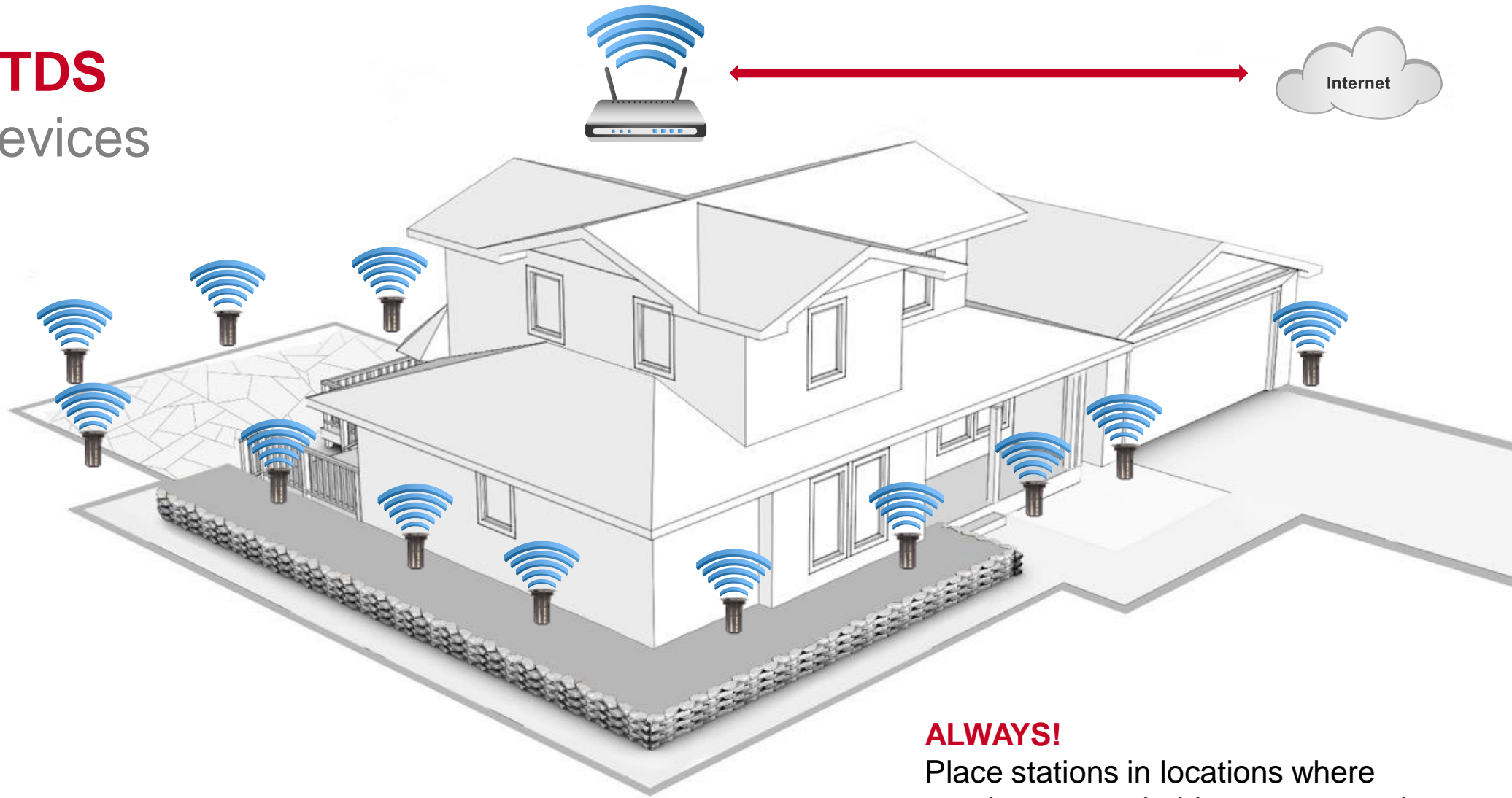
Remote Termite Detection System

- Innovation providing decision making empowerment of property owner using real time data
- First of its kind technology
- Fits the adoption of 'smart home' technology
- Strong digital and sustainability benefits
- Offered by Pest Management Professionals (PMP's) to property owners

Source/Reference - Residential Security & Smart Home Overview , Parks Assoc. 2016
Estimates based on Data from US Census Bureau, accessed via www.census.gov
2020 Specialty Products Consultants Report

Encircle™ RTDS

Connected Devices



OVERVIEW!

- Gateway
- Encircle Smart Sensors
- 24/7/365 Termite Monitoring, no active ingredient, Instruction Manual & Videos
- Provides Termite Activity Information: Empowers Property Owner & PMP to Select Next Steps

ALWAYS!

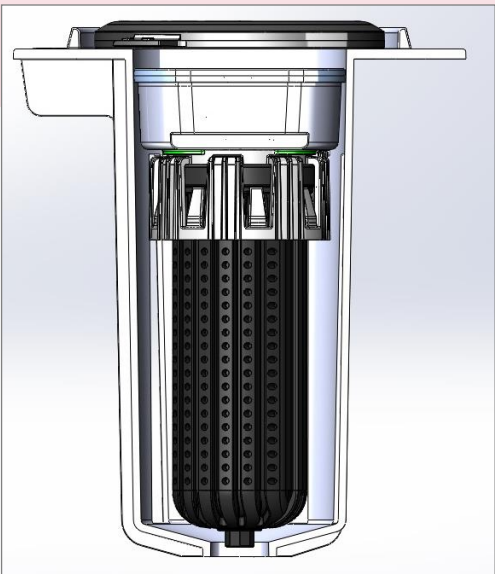
Place stations in locations where termites are probable or suspected

Encircle™ RTDS

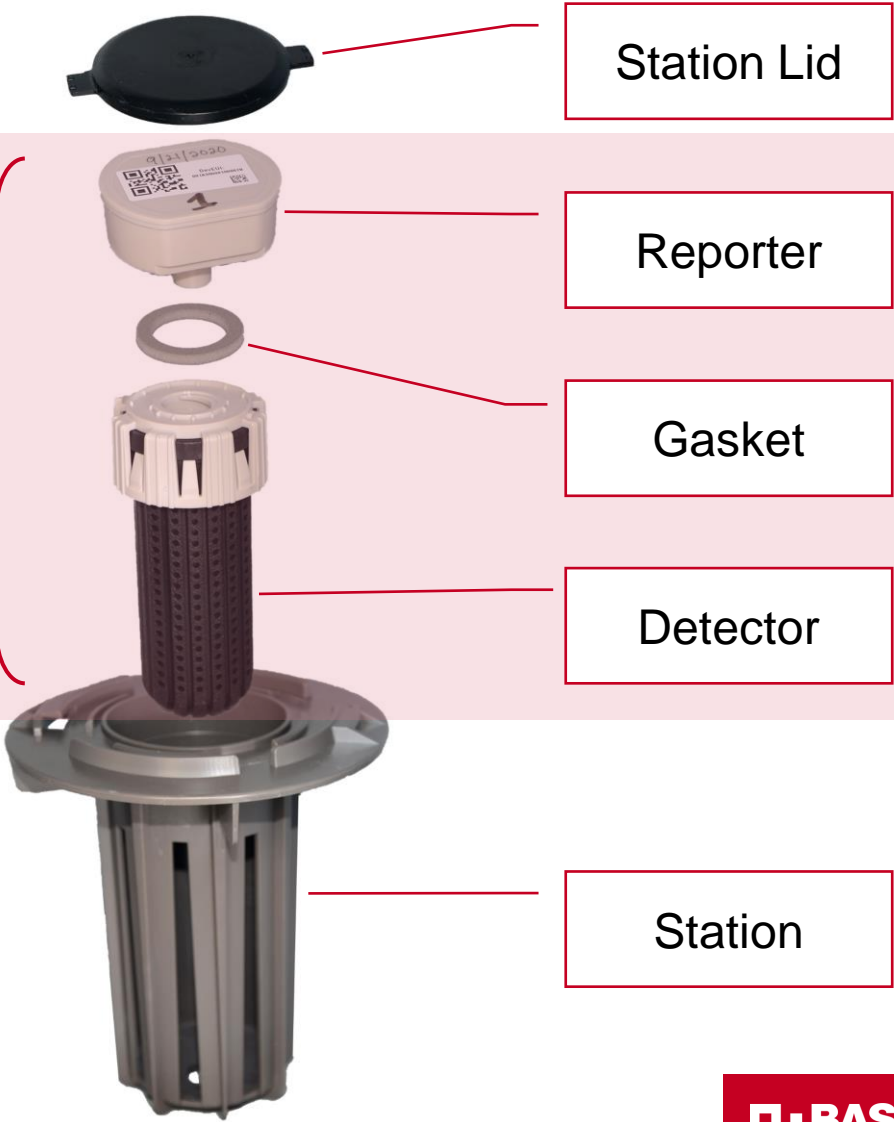
Encircle Station & Smart Sensor

Encircle Smart Sensor

Encircle Station



©Photo: Dr. Freder Medina, BASF Corp.



Internal

Encircle™ RTDS

How Encircle works

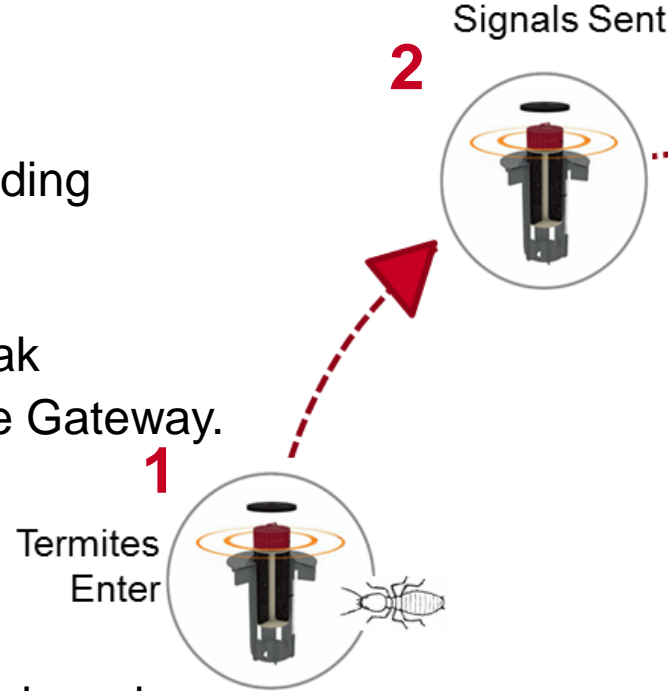
1. Inside the Encircle station, termites start feeding on the edible matrix (Detector).



Encircle™ RTDS

How Encircle works

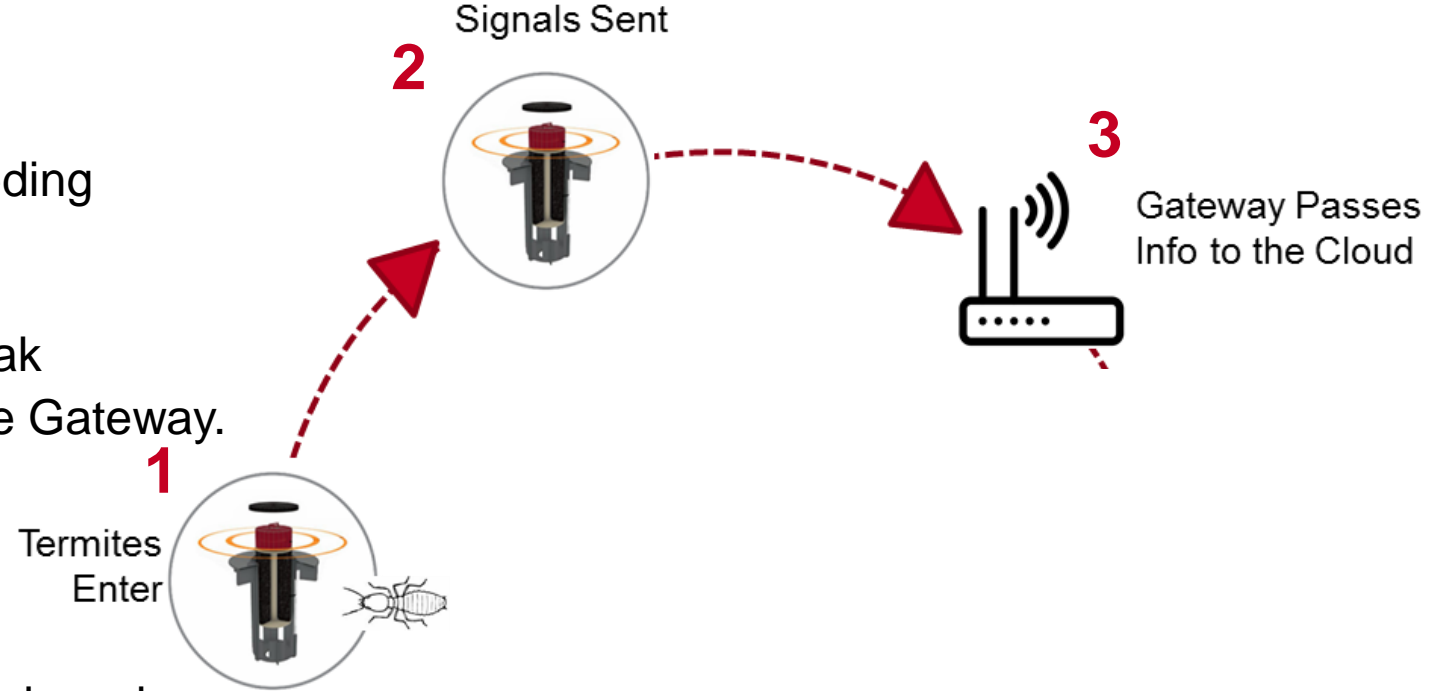
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Encircle™ RTDS

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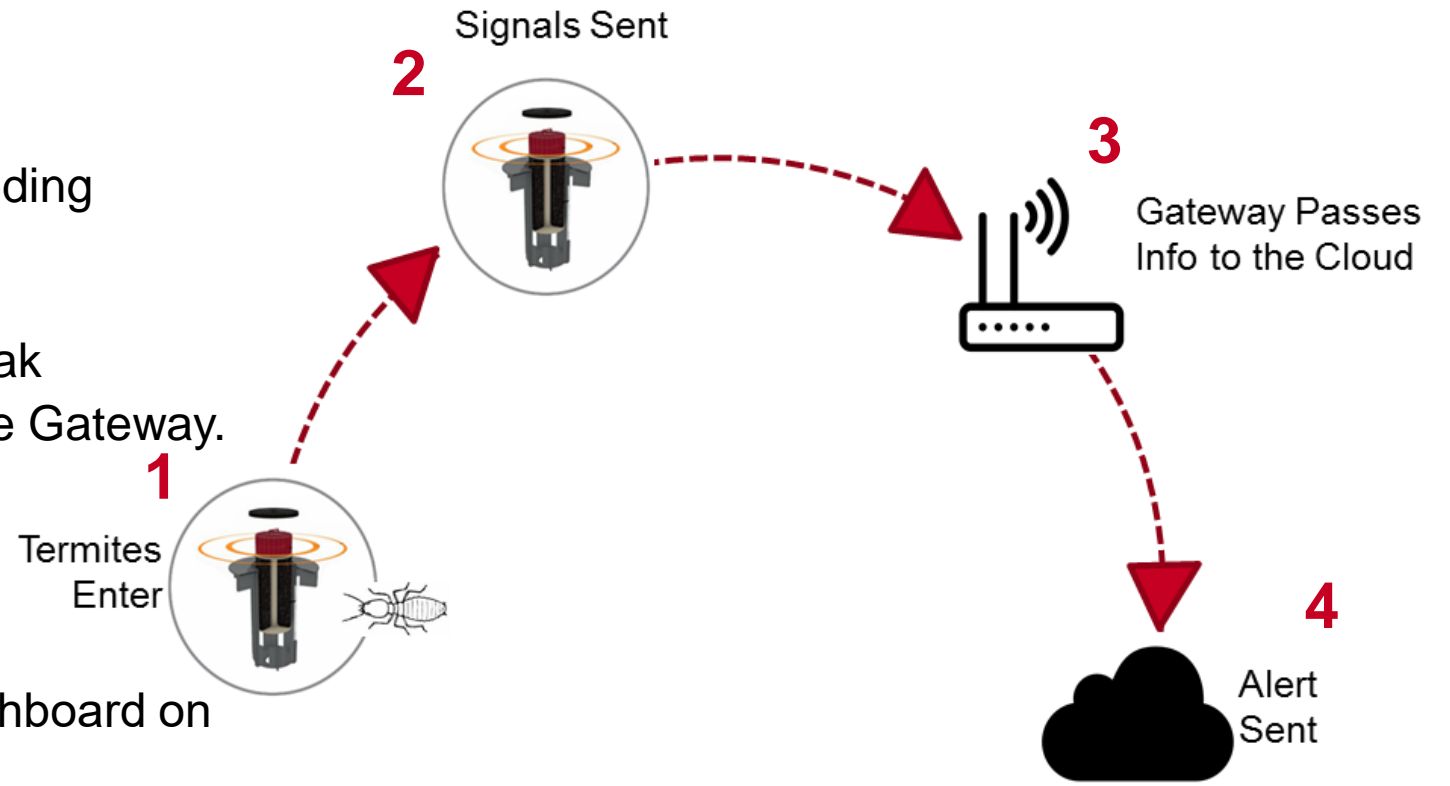
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Encircle™ RTDS

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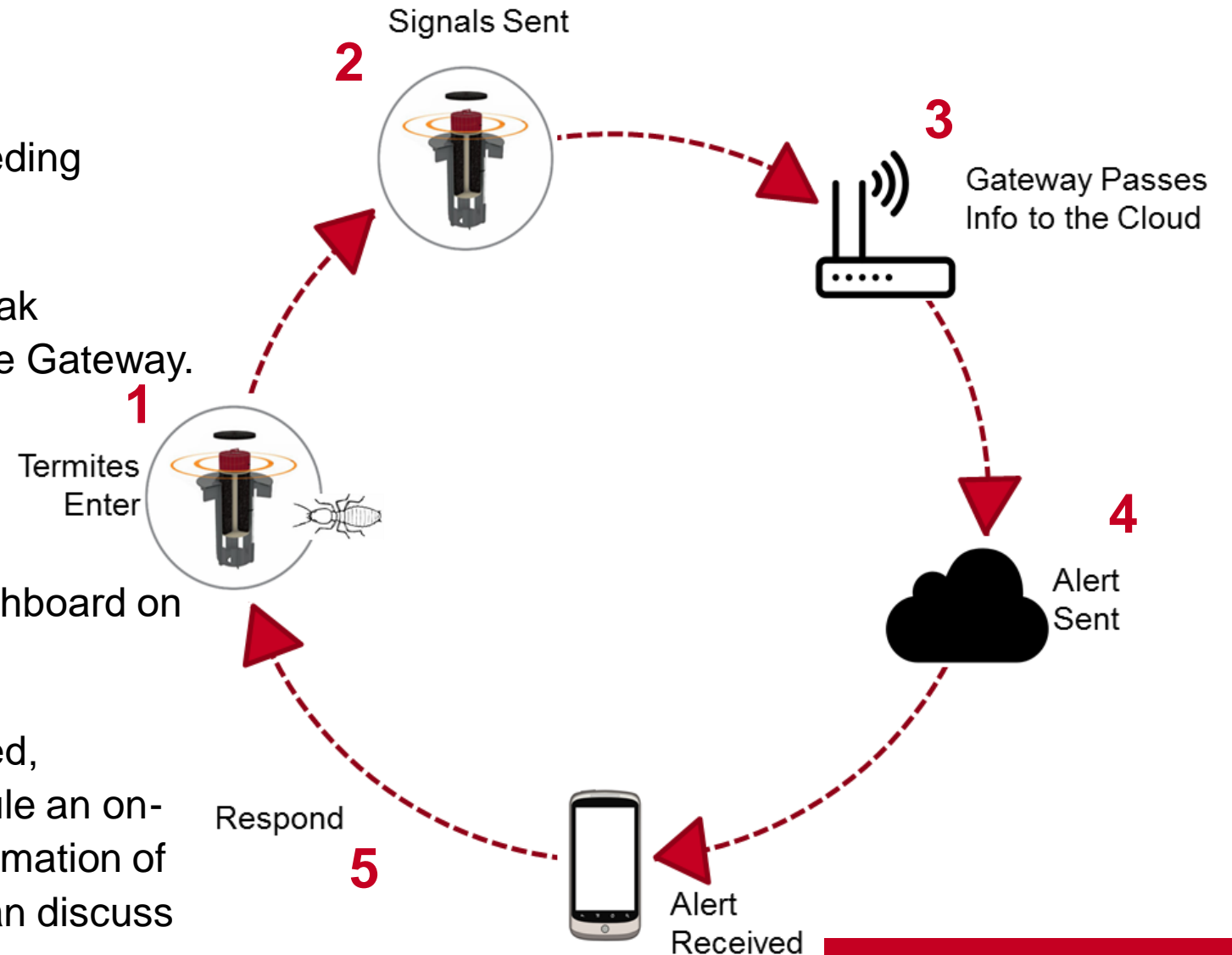
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Encircle™ RTDS

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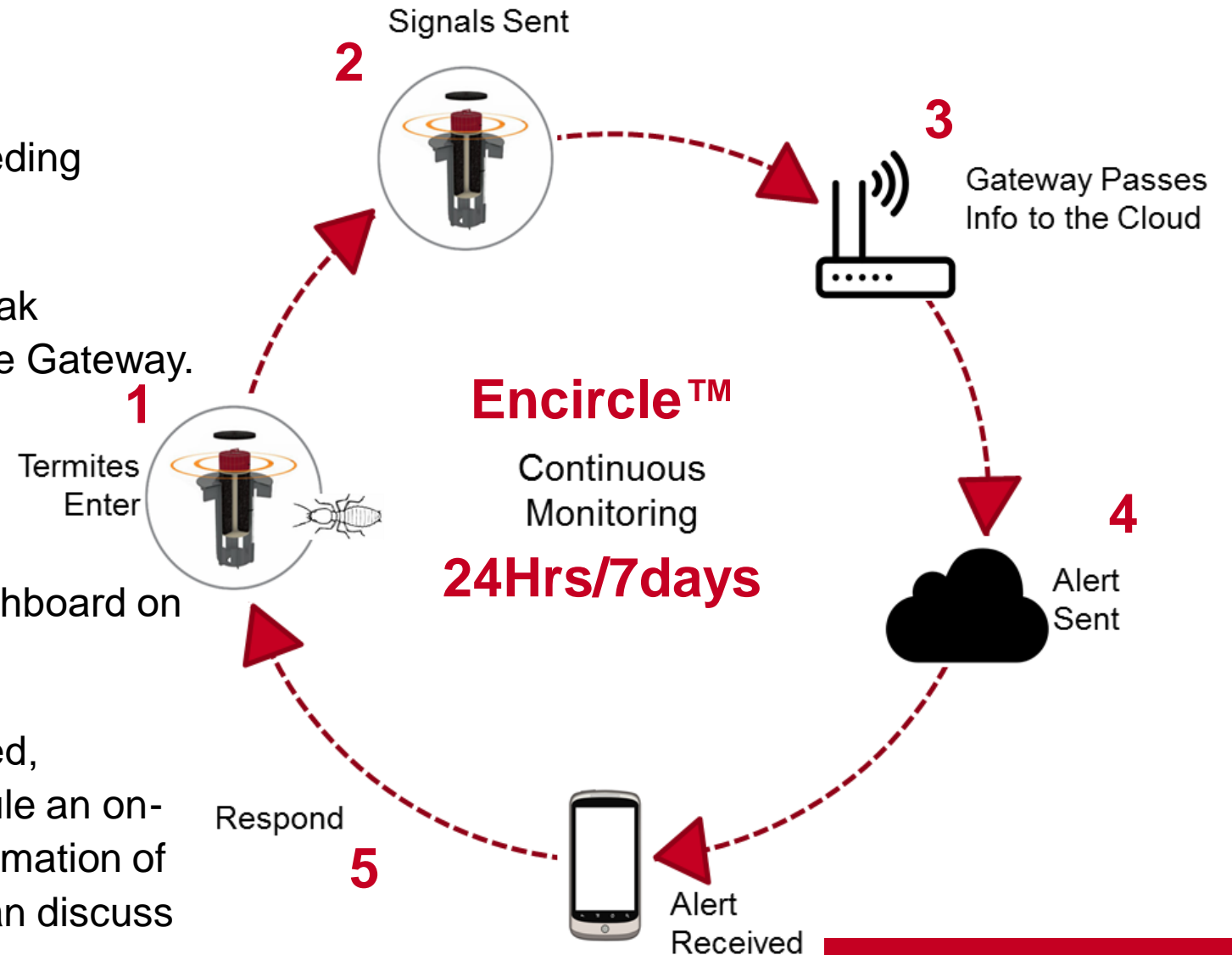
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5. Once a “Presence Detected” alert is received, PMP contacts the property owner to schedule an on-site visit. After a visual inspection and confirmation of termite presence, PMP & property owner can discuss next steps and management options.



Encircle™ RTDS

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Encircle™ RTDS

Termite feeding

©Photo: Dr. Freder Medina, BASF Corp.



Encircle™ RTDS

Termite feeding

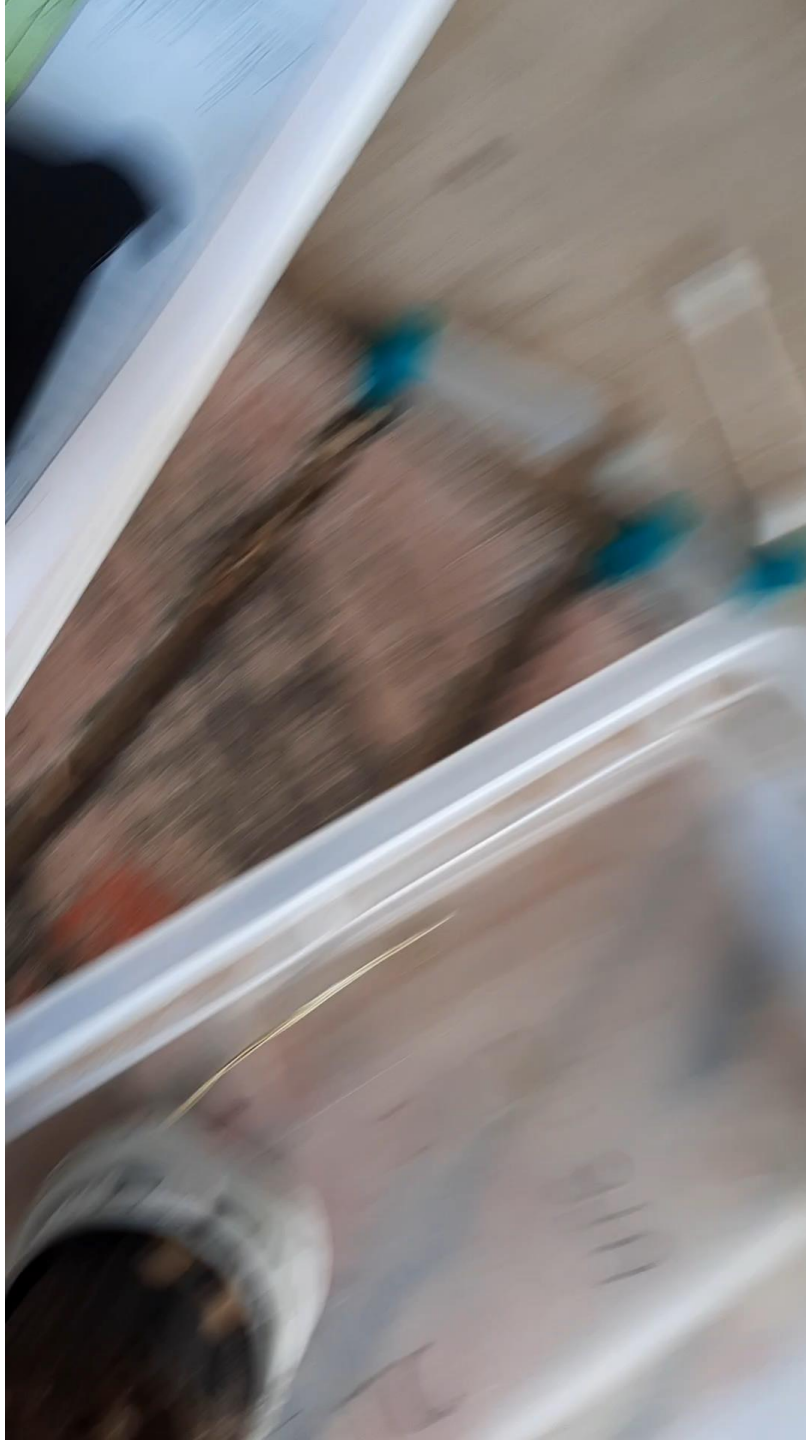
- 8/4/2022 field site
- Station 9 (left)
- Station 10 (right)



Encircle™ RTDS

Termite feeding

- 8/4/2022 field site
- Station 4

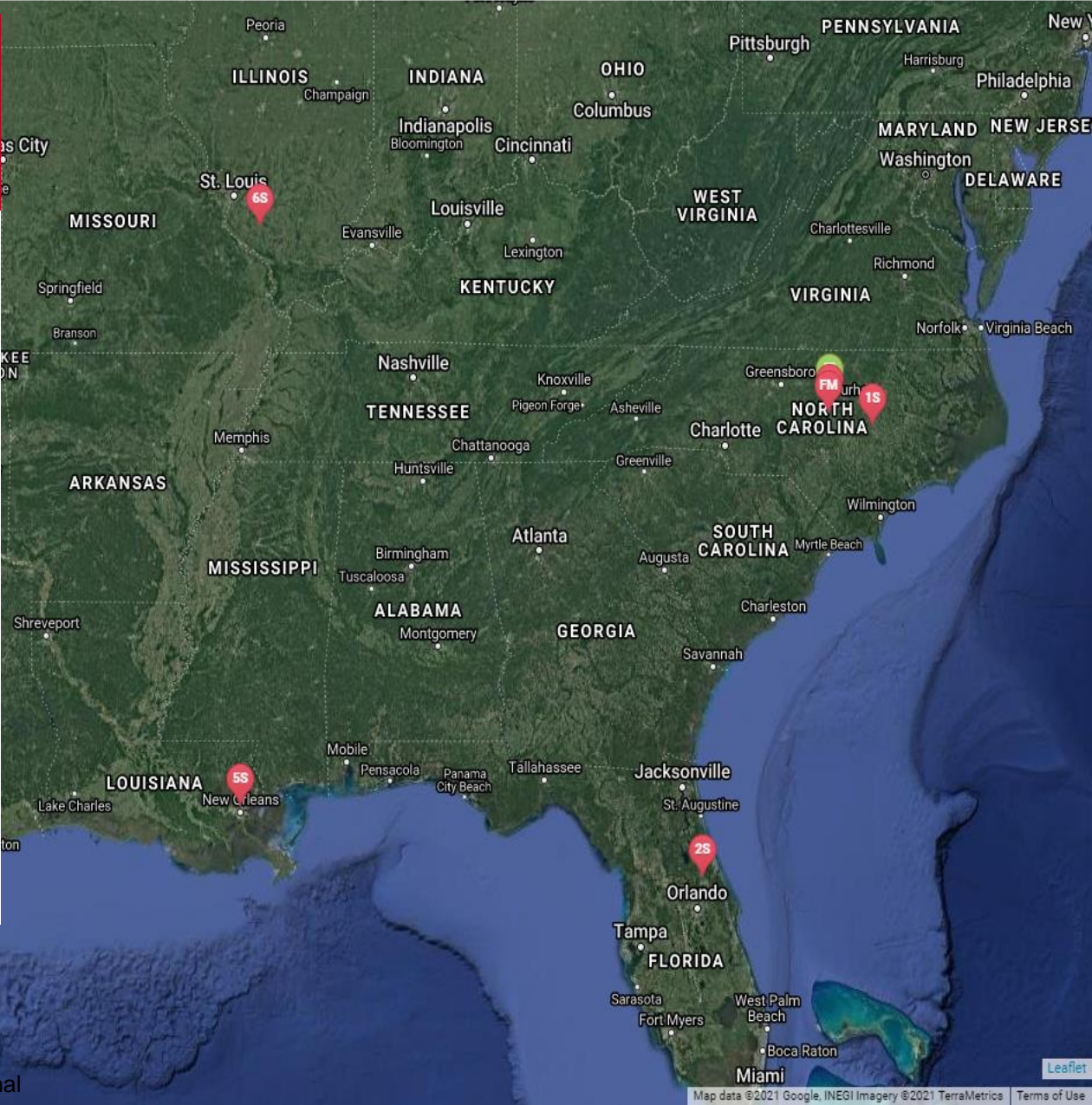


Map

Search





Encircle™ RTDS Dashboard









Encircle™ RTDS

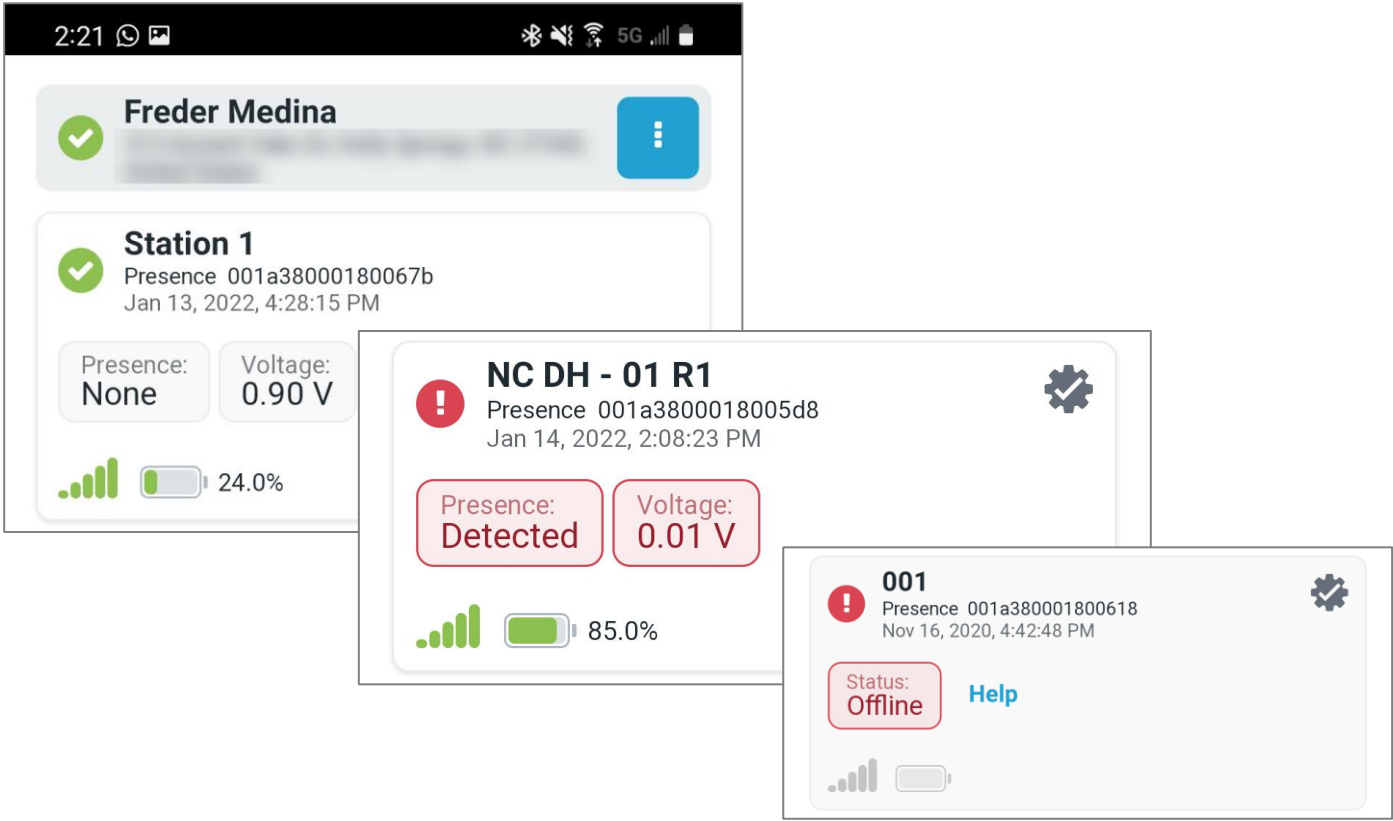
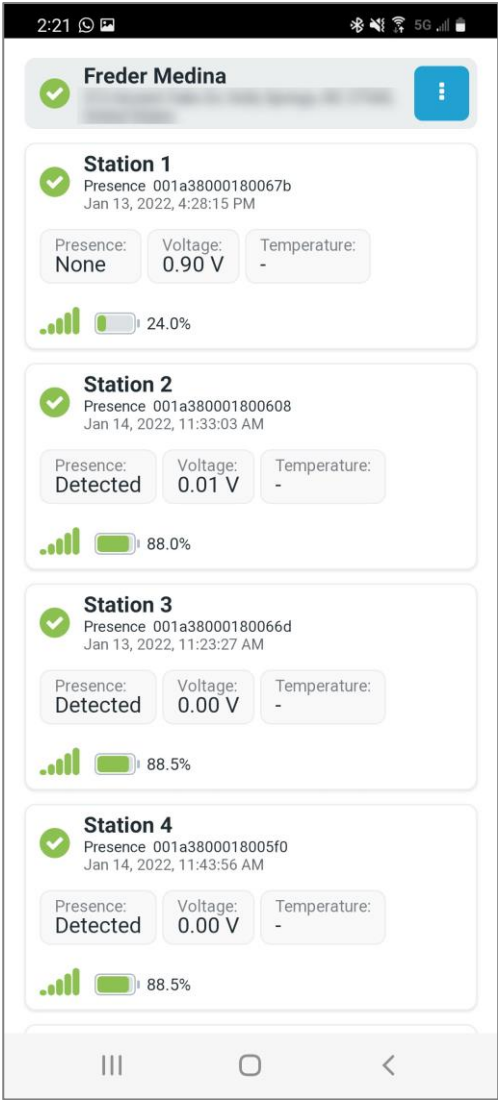
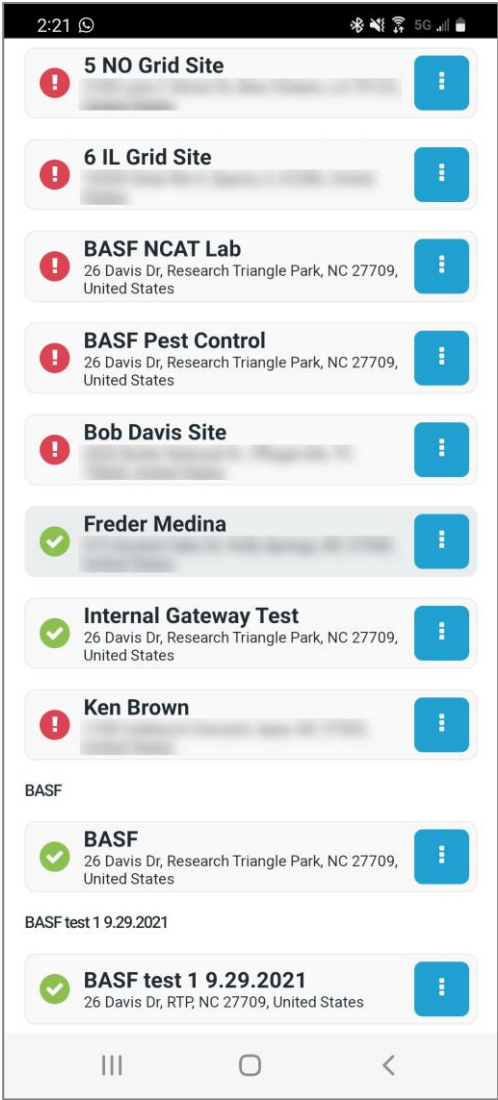
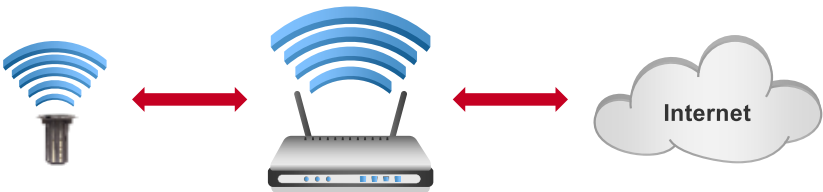
Dashboard

List View

- 1. Account name
- 2. Station list 
- 3. Presence of termites 
- 4. Signal strength
- 5. Battery life
- 6. Gateway

1 NC Grid Site	703 Nor-Am Rd, Fremont, NC 27830, United States	Menu
2 FL Grid Site	2440 S Hill Ave, DeLand, FL 32724, United States	Menu
4 AZ Grid Site	13505 W Park Rd, Tucson, AZ 85735, United States	Menu
5 NO Grid Site	2100 Leon C Simon Dr, New Orleans, LA 70122, United States	Menu
6 IL Grid Site	10550 State Rte 4, Sparta, IL 62286, United States	Menu
BASF NCAT Lab	26 Davis Dr, Research Triangle Park, NC 27709, United States	Menu
Bob Davis Site	2605 Butler National Dr., Pflugerville, TX 78660, United States	Menu
Freder Medina		Menu
Station 1 Presence 001a38000180067b	Presence: None Voltage: 0.90 V Temperature: -	Mar 05 2021 11:36 AM (EST)  31.5%
Station 2 Presence 001a380001800608	Presence: None Voltage: 0.90 V Temperature: -	Mar 05 2021 11:34 AM (EST)  95.5%
Station 3 Presence 001a38000180066d	Presence: None Voltage: 0.90 V Temperature: -	Mar 05 2021 11:31 AM (EST)  96.0%
Station 4 Presence 001a3800018005f0	Presence: None Voltage: 0.90 V Temperature: -	Mar 05 2021 11:38 AM (EST)  96.0%
Station 5 Presence 001a380001800674	Presence: None Voltage: 0.90 V Temperature: -	Mar 05 2021 11:35 AM (EST)  95.5%
Freder's Gateway Ethernet Gateway eui-000080029cd64bd0	Status: Online	Mar 05 2021 01:14 PM (EST) 
Internal Gateway Test	26 Davis Dr, Research Triangle Park, NC 27709, United States	Menu
Ken Brown	1108 Colehurst Crescent, Apex, NC 27502, United States	Menu

Encircle™ RTDS Communications



Internal

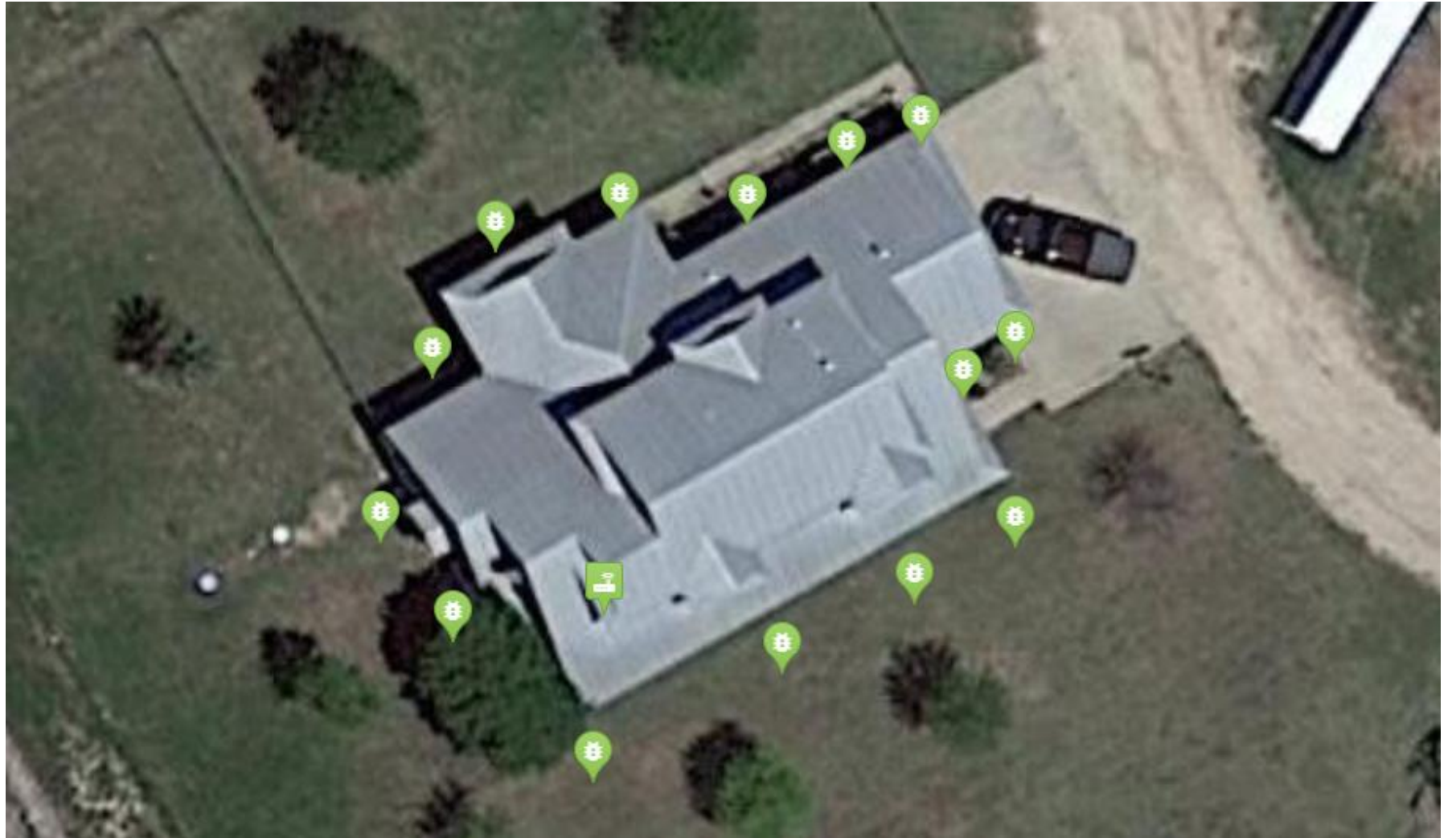
Encircle™ RTDS

Dashboard

Map View

By zooming in, you can see and adjust station & gateway location to correspond with the site.

Note: Gateway located interior at internet connection source



Encircle™ RTDS

Dashboard

Map View

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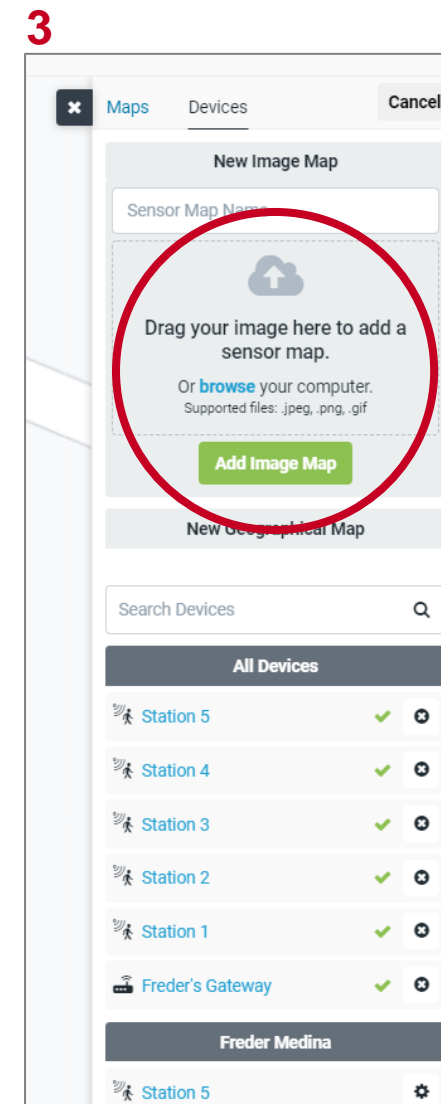
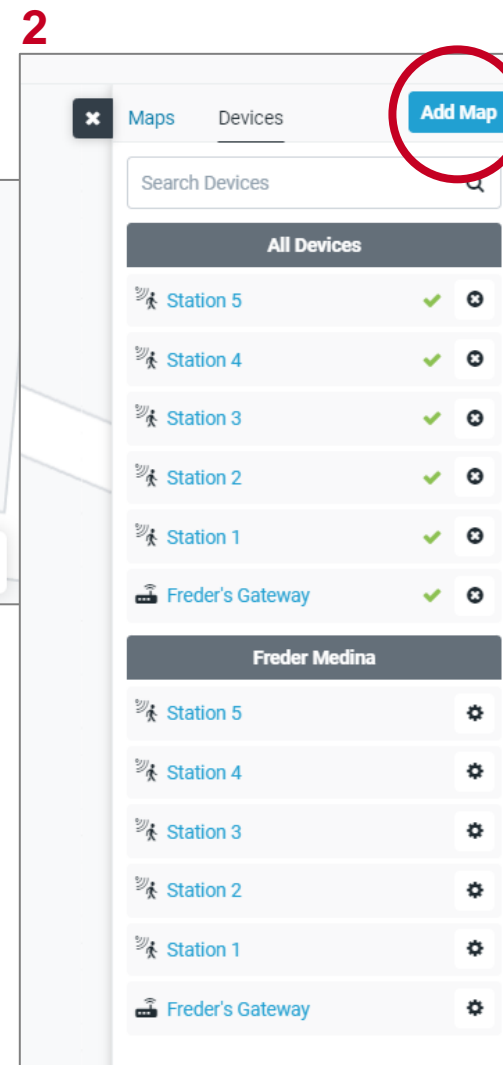
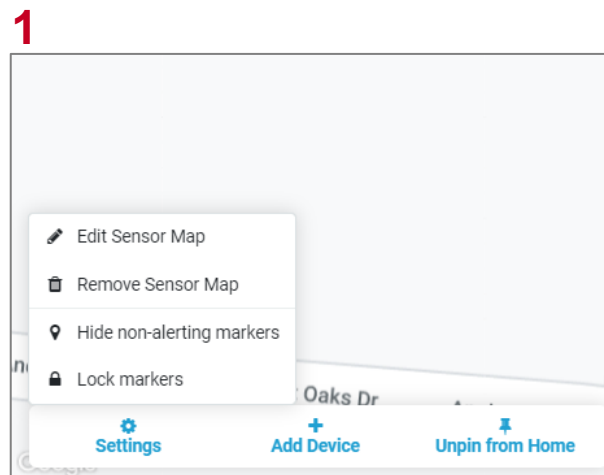
Note: Red station is a termite detect



Encircle™ RTDS

Dashboard

1. Settings option
can edit, remove, hide non-alerting stations, and lock markers.
2. + add device option
Can search, add to map or graphs, remove device from map, and manage devices.
3. Add map option
Can upload structure diagrams, paperwork, pictures etc.
4. Dashboard keeps a history of each station & gateway for each site.
Reports available. Accessible from field and office



Encircle™ RTDS

Product Support



Online and In-Person Live Training



Online Training Videos



Installation Manual



Training PowerPoints



Technical Information Brochure



Phone Live Support



[Encircle RTDS Resource Page \(Instructions and Video Tutorials\)](#)

Encircle™ RTDS


Status

- Field Demonstration Trials under way (Technical Team)
- Preparing for PMP Sponsored Sites



Encircle™ RTDS

Questions?



■ - BASF
We create chemistry

**Detect termite invasions faster with the Encircle™
Remote Termite Detection System**



We create chemistry