

# Remote monitoring traps with sensor technology

Rappt.IO enables trappers to remotely monitor devices (traps, bait stations etc) using sensors from a growing number of providers. For the trapper on the ground this means a heads up of sensors events in the app, and opt-in notifications via the app and email.

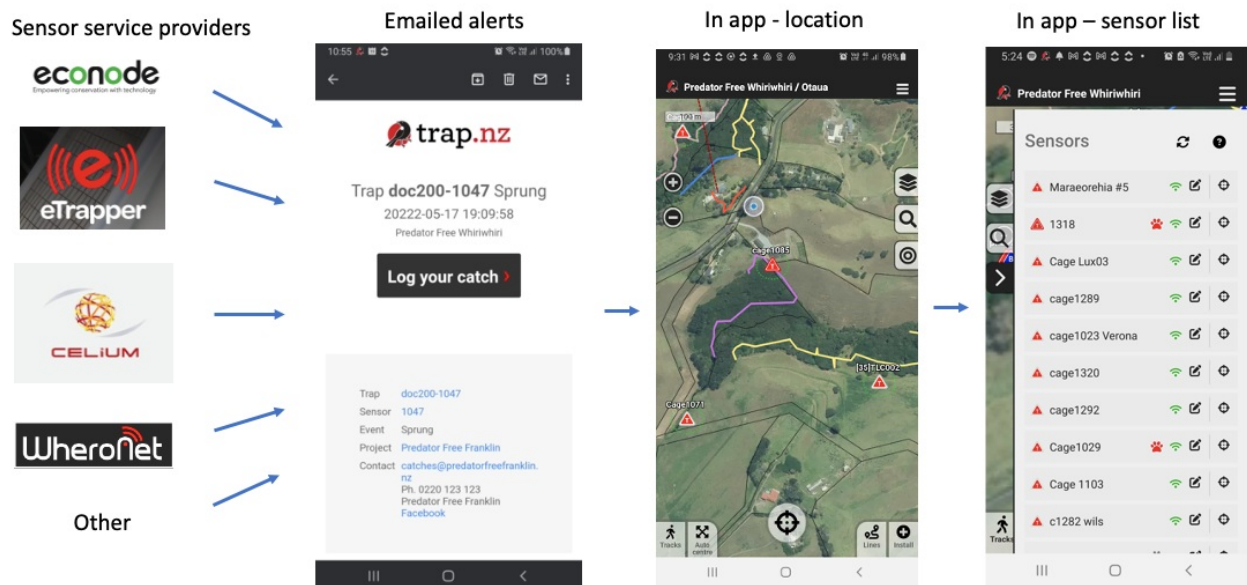
For project coordinators it offers an overview of all sensor devices across one or more projects. This provides not only trap status, but also early incursion warning, accountability for funders, and the social benefits of knowing when to start the kōrero with trappers.

All sensor statuses are viewable in the [Rappt.IO sensor reports](#) - all your sensor providers data in one place.

Please [contact us](#) to become a sensor service provider.

## How it works

### Remote Monitoring



In New Zealand, it is a legal requirement under the [Animal Welfare Act 1999](#) that all live capture traps must be checked within 24 hours. Breaches are punishable by up to 12 months imprisonment and a fine of up to \$50,000 for an individual or \$250,000 for a body corporate.

Rappt.IO enables trappers to remotely monitor devices (traps, bait stations, etc.) using sensors from a growing number of providers. For the trapper on the ground, this means a heads-up of sensor events in the app and opt-in notifications via the app and email.

For project administrators, it offers an overview of all sensor devices across one or more projects. This provides not only trap status, but also early incursion warning, accountability for funders, and the social benefits of knowing when to start the kōrero with trappers.

### Adding a sensor to a trap via the website

1. Through the Projects page select traps, - add a new trap
2. Complete the required fields

**trap.nz** My projects Find projects Forums Help My account Log out

Current project: **Waikatoa demo** Lines Traps Salt stations Monitoring Points of interest Reports


Add a new trap Add catches Import traps Import trap records Manage traps Manage trap records

## Create Trap

Please enter the details for this trap. [Need help?](#)

Trap number / code \*

Location \*



Date installed \*

Installed by

Trap type \*

Double trap?

Trap sub type

Trap line

Retired

Check this box if the trap is no longer used (or moved to a different area). The trap will be removed from most displays but historical data will be retained.

Find using Manual coordinates field

Manual coordinates

More

4. Under the map open more tab and complete the sensor data, required contact fields, and select save

Add a new trap Add catches Import traps Import trap records Manage traps Manage trap records

Find using Manual coordinates field

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More

Tags

Optionally tag your installation - e.g. with a property name. Tags will be lowercased.

Notes

Images

Upload photos of the trap for reference.

Add a new file

Choose File No file chosen

Upload

Files must be less than 32 MB.  
Allowed file types: png, gif, jpg, jpeg.

Sensor

Sensor provider

Sensor ID

☒ Send meta data about this trap to my sensor provider?

Contact details

Name

Address

Email

Phone

Save

Cancel

## Notifications

1. Turn on notifications on both the My Account > Edit page and against each trap

☒ Send me email alerts for sensor traps I'm subscribed to

This setting is a master switch to turn off all notifications for sensor traps. With this setting enabled you will only receive email alerts for traps with automated sensors that you are individually subscribed to (none by default). With this setting disabled you will not receive any notifications for sensor traps you are subscribed to.

2. Enable notifications for each trap



- | Assign Users            |                               |                    |   |
|-------------------------|-------------------------------|--------------------|---|
| Name                    | Email                         |                    | Alert of sensor events                      |
| Robert Hoffman          | robert.hoffman@bluewin.ch     | Unassign this user | <input checked="" type="checkbox"/> Enabled |
| andy.schneider          | andy.schneider@bluewin.ch     | Administrator      | <input checked="" type="checkbox"/> Enabled |
| andreas.schneider       | andreas.schneider@bluewin.ch  | Administrator      | <input type="checkbox"/> Disabled           |
| Gerold                  | gerold@bluewin.ch             | Manager            | <input type="checkbox"/> Disabled           |
| Stefan Schuster         | stefan.schuster1984@gmail.com | Administrator      | <input type="checkbox"/> Disabled           |
| Walter Schuster         | walter.schuster@gmail.com     | Manager            | <input type="checkbox"/> Disabled           |
| Gregor Leber            | gregor.leber@bluewin.ch       | Manager            | <input type="checkbox"/> Disabled           |
| Gregor Schuster         | gregor1984@gmail.com          | Manager            | <input type="checkbox"/> Disabled           |
| Markus Gmüdy            | markus.gmuedy@bluewin.ch      | Manager            | <input type="checkbox"/> Disabled           |
| <div>Hide users ^</div> |                               |                    |   |

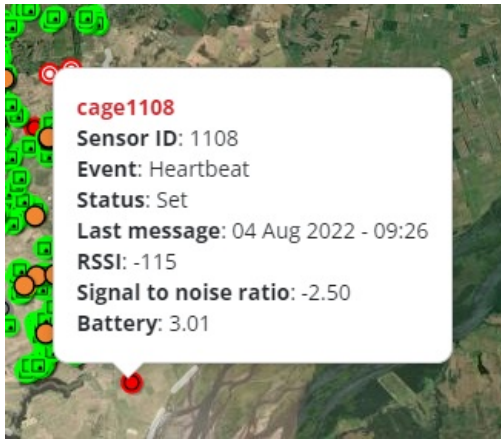
When a sensor has triggered, the Rappt.IO notification system will send an email and message to the Rappt.IO app. Do not rely on these notifications for legal coverage, trappers must still check the status of all sensor traps via the app or website. This ensures that sensors that are not responding are detected, and it covers the scenario when the notifications fail due to network outages, spam filters, etc.

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- An aerial photograph of a landscape featuring a large, dark, irregularly shaped pond or wetland area in the lower right quadrant. The surrounding terrain is a mix of light brown/tan soil and patches of green vegetation. Several red circular markers are placed on the map, each accompanied by a label: 'W4' at the top center; 'W.Bcw8 w1' below it; 'doc200-1047' and 'doc1078' to the left of the pond; '13' further down and to the right; and a cluster of labels ('val00', 'val0', 'val-') near the bottom right edge. In the top right corner, there are additional labels like 'hor18', 'Bcw7', 'BCV', and 'L100'. A vertical scale bar on the far left shows values 96, 505, and 58.

- Active (currently transmitting)
- Active and has sent a sprung event. The trap will show as sprung until a record has been added to indicate it has been reset
- Inactive (the sensor is not transmitting)
- Inactive and sprung (stopped transmitting while still in a sprung state)

Note:  Indicates a regular trap (no radio sensor attached).

By selecting the installation you are able to see its current status.



All sensor statuses are viewable in the [Rappt.IO sensor reports](#).

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★Created 17 August 2022 20:31:22 by Lenore Winterburn

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