Satellite Trap Alert System

WORKS ANYWHERE

Uses the Iridium satellite network so it works anywhere in the world and is not reliant on any cellular phone or local networks.
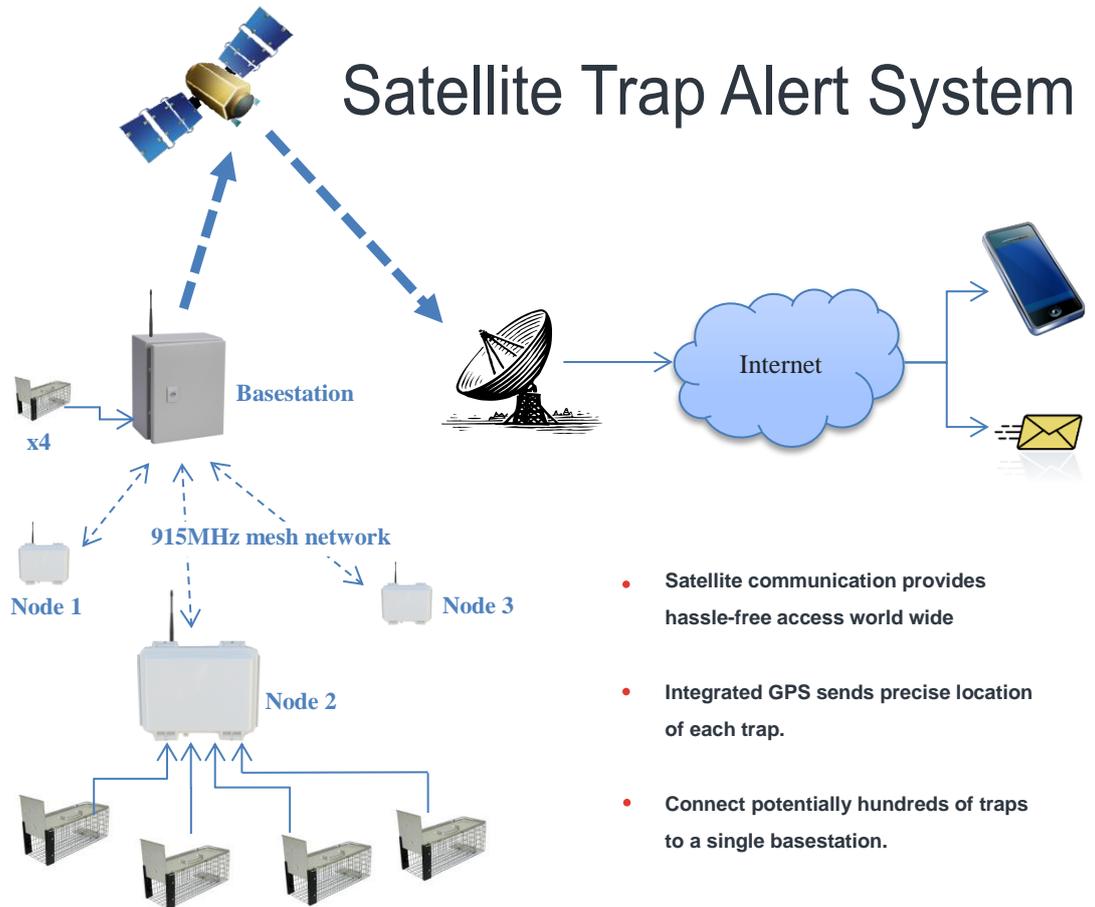
CONFIDENCE

Know when a trap has triggered in as little as 15 seconds. Additionally, each node reports back its status and the state of each trap daily so you know everything is working.

USE ANY TRAP

The trap-alert trigger can be fitted to many commonly used traps. Ask us if you have any special trap fitting requirements.

Basestation

x4

915MHz mesh network

Node 1

Node 3

Node 2

Internet

- **Satellite communication provides hassle-free access world wide**

- **Integrated GPS sends precise location of each trap.**

- **Connect potentially hundreds of traps to a single basestation.**

The Frontier Labs Satellite Trap Alert System is an affordable way to connect hundreds of traps to the global Iridium satellite network. It does this by linking a network of remote trap-alert nodes to a single satellite basestation using a long-range 915MHz radio link.

Each trap-alert node (and the basestation itself) can monitor up to 4 traps each so you can monitor potentially hundreds of traps for the cost of a single satellite subscription fee, which is typically $60 per month from an Iridium service provider.

When a trap is triggered, a message is sent to the basestation and then through the satellite network to ground stations across the globe and you receive an alert within minutes of the trap being triggered. The status of every node and trap is also reported each day so you have the confidence of knowing everything is working.

Each trap-alert node has a built in GPS so you can easily locate the traps once they have triggered. The basestation can be charged through solar power for permanent deployment whereas the trap-alert nodes have the option of either solar charge or a user replaceable lithium battery (rechargeable) for easy redeployment. Solar power and high-temp tolerant batteries are also available to suit harsh arid conditions.

Who is Frontier Labs?

Frontier Labs is a Brisbane based company specializing in designing electronic equipment for remote area instrumentation and ecological research.

Frontier Labs FL

www.frontierlabs.com.au