Getting started operational principles:

The Power Tags system has two components:

Tag v1.0

Gateway v 1.0

Network topology example:

Instructions:

1. Make sure you have purchased our online web server system or contact us at support@power-tags.com
2. Connect the Gateway to a USB power source, make sure the red led is activated
3. Using our android mobile app configure the Gateway's Wi-Fi to associate to your Wi-Fi network.

4. Place the Tag it the upright position, make sure the red led on the tag is blinking and the red led in the gateway is blinking as well.
5. Open the Live Map view in web server dashboard, make sure the tag icon is reported.

Operational principle

The PowerTags' technology enables tracking people and assets indoors by attaching tags to them.
The first component of the system is the tag which is operated by a small, long-life battery that lasts years and doesn't require replacing or recharging. It communicates via 915MGHz RF with a number of gateways and pre-installed tags that are placed throughout the facility. The data collected hold estimated range of the tag from each installed unit is then transferred via the gateways WiFi to a web based server which uses trilateration algorithms to locate the tag's position.
The location data is used via a web based dashboard to display data on a map and perform analytics on the collected data.