RuuviTag is probably what you've been looking for:
beautiful hardware and community-powered flexible software.

Internet of Things is projected to be a multi-trillion dollar business by end of the decade. There is a huge need for new kinds of devices to meet this unprecedented demand. Companies both new and old are rushing to build their solutions. Ruuvi is one of these companies but we've decided to try something different. How? All of our products are open source.

As RuuviTag has evolved our latest version employs Nordic Semiconductor's nRF52 chipset that has Cortex-M4F processor at its heart. This makes it the most capable Bluetooth Smart System on Chip in the market today. However, this doesn't mean we've compromised battery life. Our masterpiece operates up to 10 years on a single battery.

The varieties of uses can be easily handled with this state-of-the-art Bluetooth 4.2 chip. Additionally RuuviTag's basic version has the ability to sense acceleration, temperature, humidity, pressure and proximity to the host.

RuuviTag is currently the solution for prototyping and hacking. For business customers we've got plenty to offer. Ruuvi can easily create, for example, custom shaped circuit boards with a different set of sensors to meet your requirements. Here are some of the environmental variables that can be sensed:

- *Temperature*
- *Humidity*
- *Pressure*
- *Acceleration*
- *Rotation*
- *Magnetic field*
- *Ambient light / UV radiation*
- *Distance / proximity*
- *Sound pressure*
- *Occupancy / motion*
- *Current / voltage / power*
- *Material composition*
- *Gases*

And what about the software side? No problem, we can help. Or maybe you have resources to customize and code by yourself. All of Ruuvi's hardware and software projects are published using open licenses. We don't want to make it hard to use our creations commercially. Be our guest and clone some of our repos on GitHub!

Finally, we're also thrilled to announce that RuuviTag is Wirepas PINO™ compatible HW platform.

...and more is to come.
We know how to harvest energy from the surrounding environment.
In the future our products won't require batteries at all!