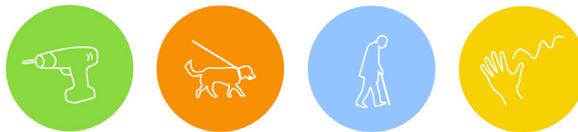# SensorBeat System

The SensorBeat System is the first complete package that contains all the necessary electronics and artificial intelligence for understanding the motion of things and people. The system is an optimal fusion of hardware and software, that can be easily integrated into 3rd party products.

This enables companies to differentiate and strengthen their offerings with next generation motion intelligence.

The SensorBeat System is a powerful yet cost-effective ready to use device, it targets a wide range of segments from gaming (gesture recognition), health/medtech (human motion analysis, body analysis), industry (preventive maintenance), personal security (accident/attack detection) to animal behavior (tracking pets / animal health).

Use cases

Understand how products are used

For: Product companies

Recognise motion in products such as home appliances, outdoor power products and other consumer products.

Benefits:
- Gain more accurate insights on product usage and customer needs
- Connect with the customer during usage of the product
- Improve safety and usability for customers

Monitor industrial machines

For: Industry companies

Monitor industrial machines and identify deviations from normal behavior.

Benefits:
- Identify the need for preventive maintenance
- Increase revenues from aftermarket sales
- Allow for new business models

Measure activity of people

For: Healthcare companies

Measure the motion and activity of people, to improve people's health and wellbeing.

Benefits:
- Understand the motion of people
- Monitor progress in rehabilitation
- Detect early warning signs of diseases

Use gestures to manage applications
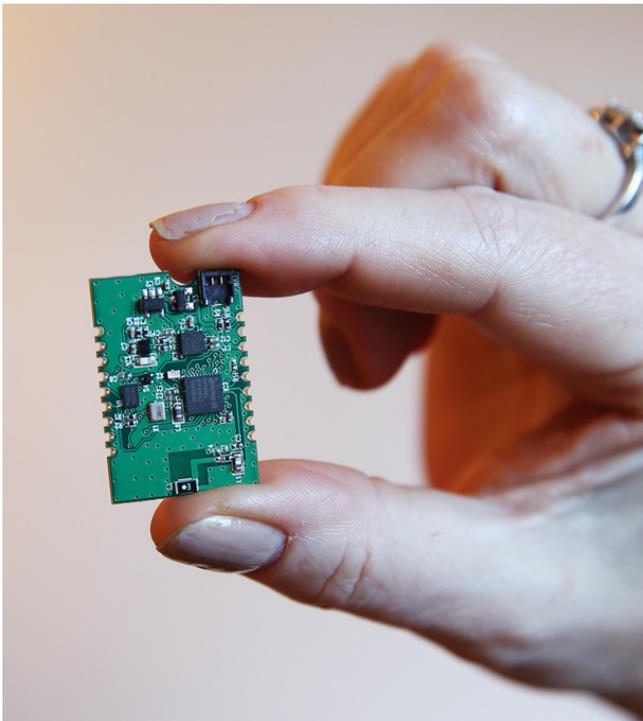
For: Product companies

Use gestures to simplify the usage of smartphones or game consoles.

Benefits:
- Manage applications such as play music, respond to phone calls
- Differentiate product from the competition
- Enable users to teach the product new gestures

Technology

SensorBeat is also available as a software package that can be easily integrated into 3rd party hardware platforms. SensorBeat is fast, accurate and has a very small footprint, which means that it can run on lowcost and low power wearable devices. For OEM devices SensorBeat is a source code / pre-compiled library written in ANSI C. SensorBeat is patented technology.

SensorBeat API

The SensorBeat API is a software library that goes into a smartphone. The API allows the mobile phone to receive motion data from the hardware device for further action or for visualisation in a mobile app or in the cloud.

The API can also be used to update the SensorBeat firmware or to add new, preconfigured motion patterns to the hardware device.

Cloud service

SensorBeat API

Bluetooth LE

SensorBeat

About Imagimob

Imagimob is an innovation company with expert competence in sensor technology and artificial intelligence. The company is based in Stockholm, Sweden.