



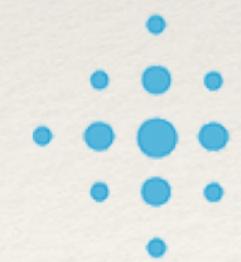
 Bluetooth®



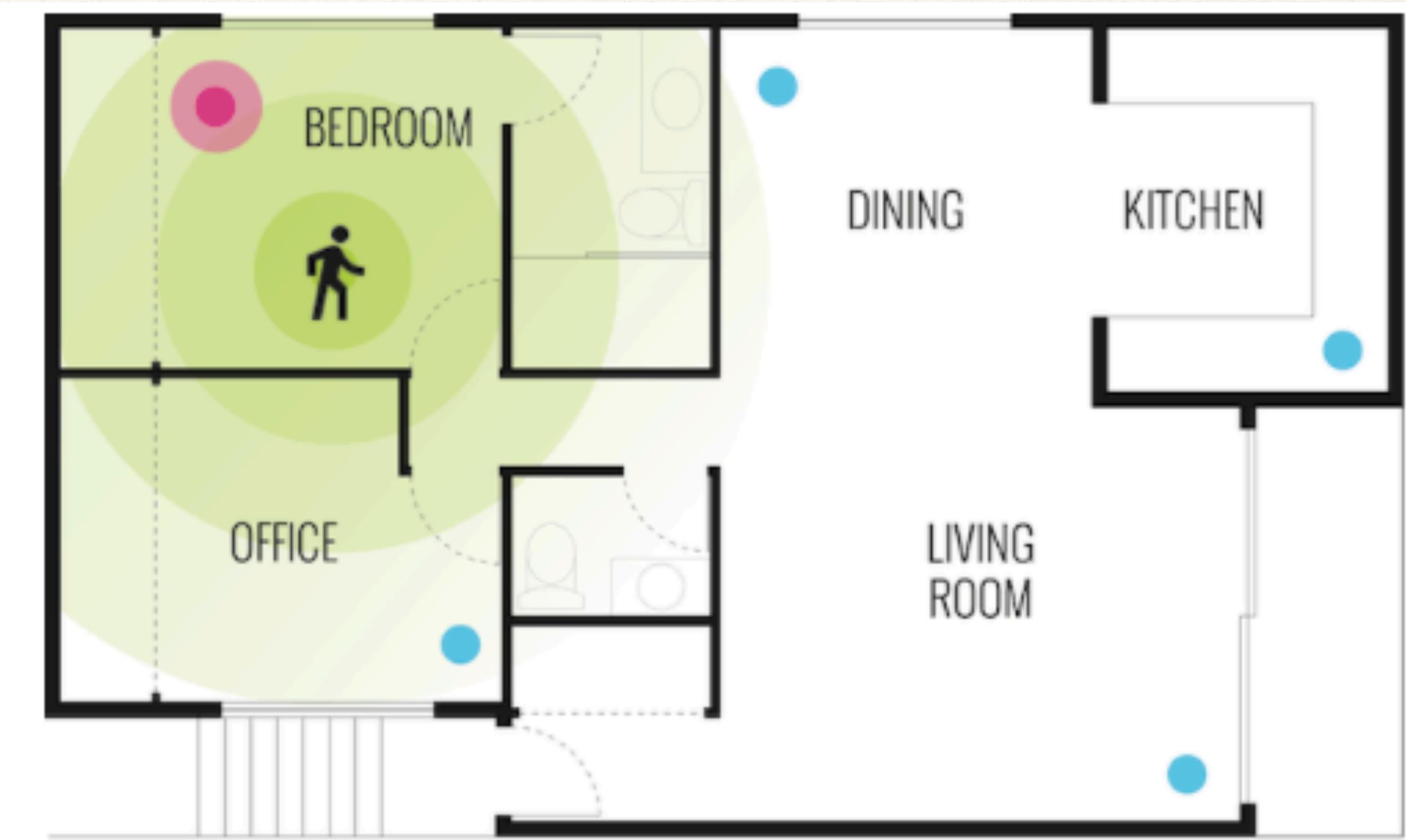
Materialien im Krankenhaus wiederfinden

Adam Mechouate

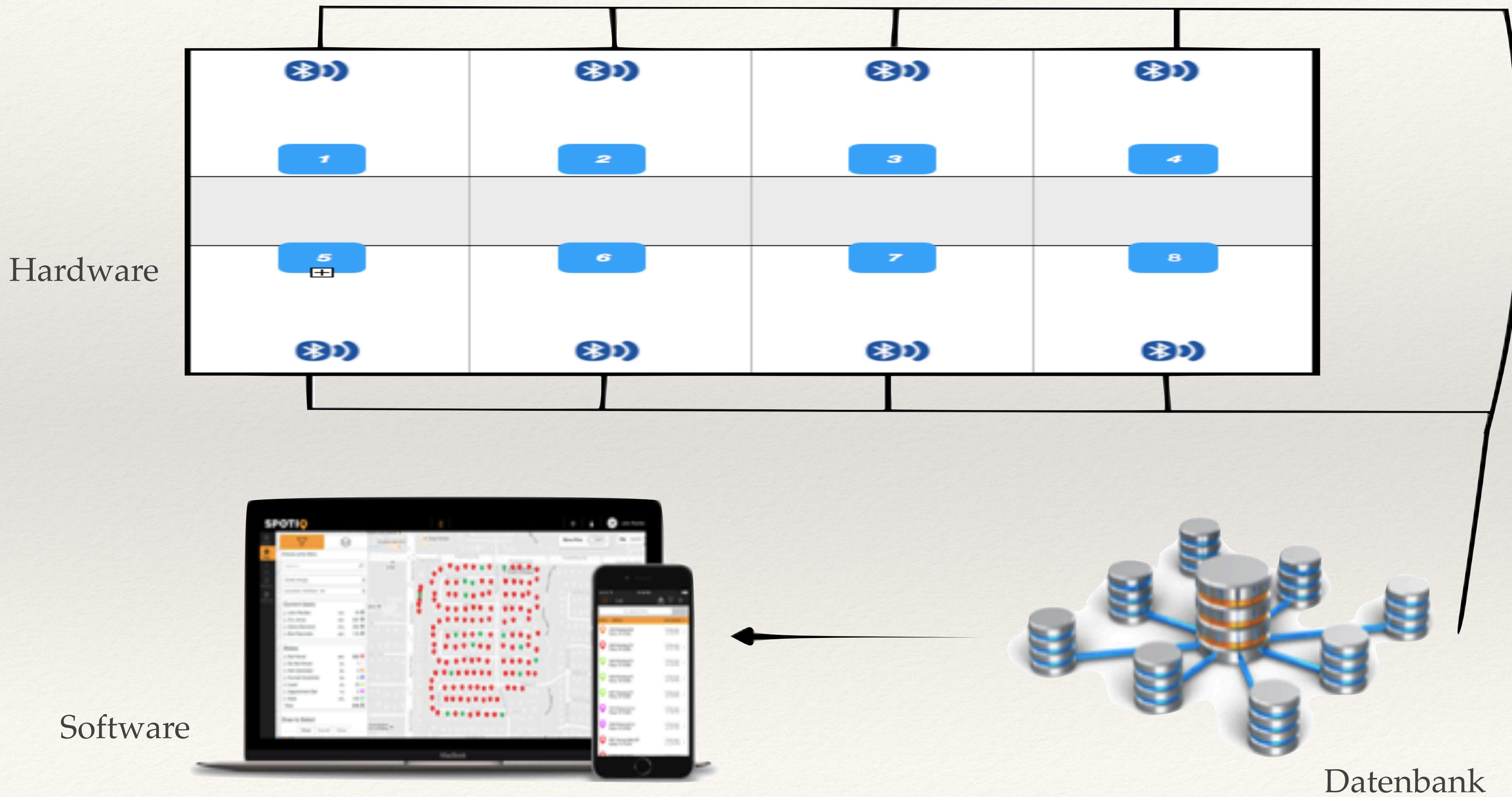
Hospittracking

 **hospicall**
Rufsysteme

Wie funktioniert das ?



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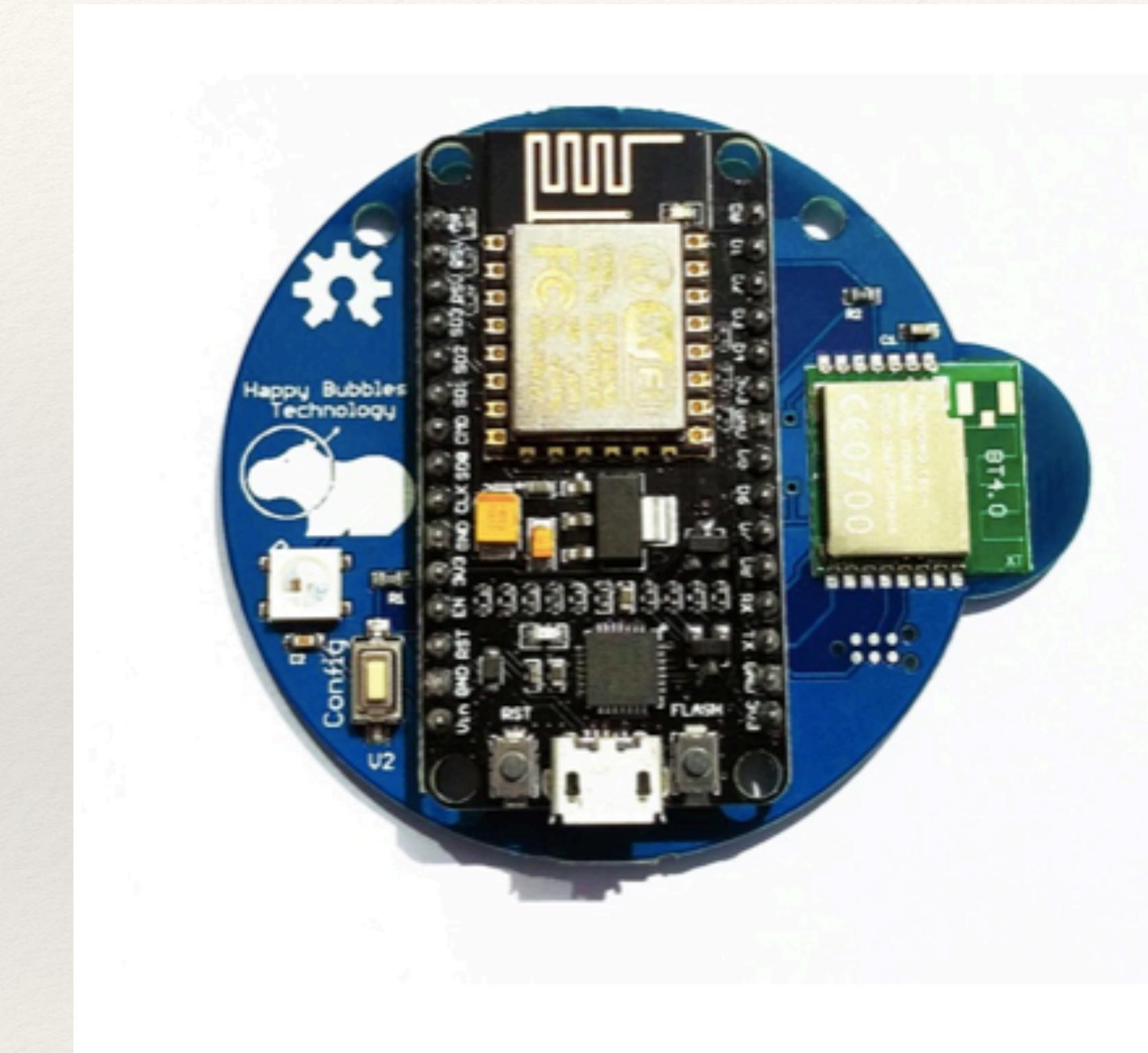


Materialien im Krankenhaus wiederfinden !

- ❖ Was brauchen wir dafür ?



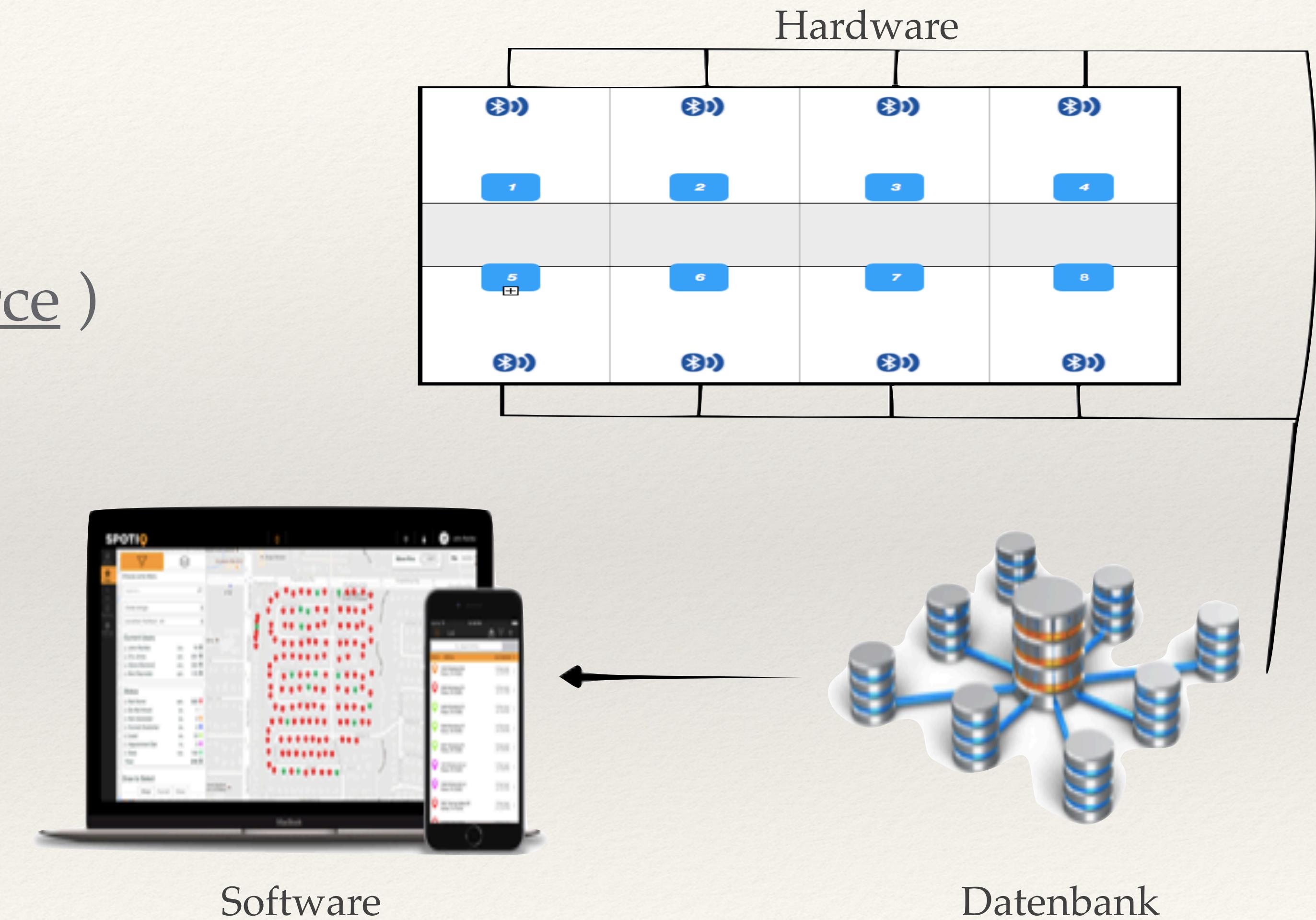
Small, configurable, long-lasting, Bluetooth
LE beacon



Bluetooth-detecting, wifi-connecting
presence detector

Softwareentwicklung

- ❖ Datenbank My SQL ([open-source](#))
- ❖ Web-App PHP
- ❖ Mobile App Android Studio



Bluetooth is Changing the Face of Healthcare



- ❖ Today's consumers want to control and manage their own health, and a standardized wireless approach for communication between devices gives them that ability. Just about every new health tracking platform—including Apple HealthKit and Google Fit—uses Bluetooth to ensure device and data interoperability.



Bluetooth is the ideal wireless standard for hospital



- ❖ Bluetooth with low energy offers highly secure 128-bit AES encryption to keep data safe during transmission. Privacy features also make it difficult to track a device through its Bluetooth connection. All of this keeps the user in control.
- ❖ The frequency-hopping Bluetooth radio virtually eliminates network interference and provides strong immunity to RF noise sources such as electrosurgical devices and common household appliances.



Bluetooth enabled medical devices are changing the way we take care of ourselves



- ❖ Secure, trusted and super-efficient Bluetooth technology is enabling the connectivity of millions of health and medical devices, with tens of millions more on the way.
- ❖ An apple a day is no longer enough to keep the doctor away. Now, patients can help keep themselves healthy using a wide range of medical devices—all connected via Bluetooth technology.

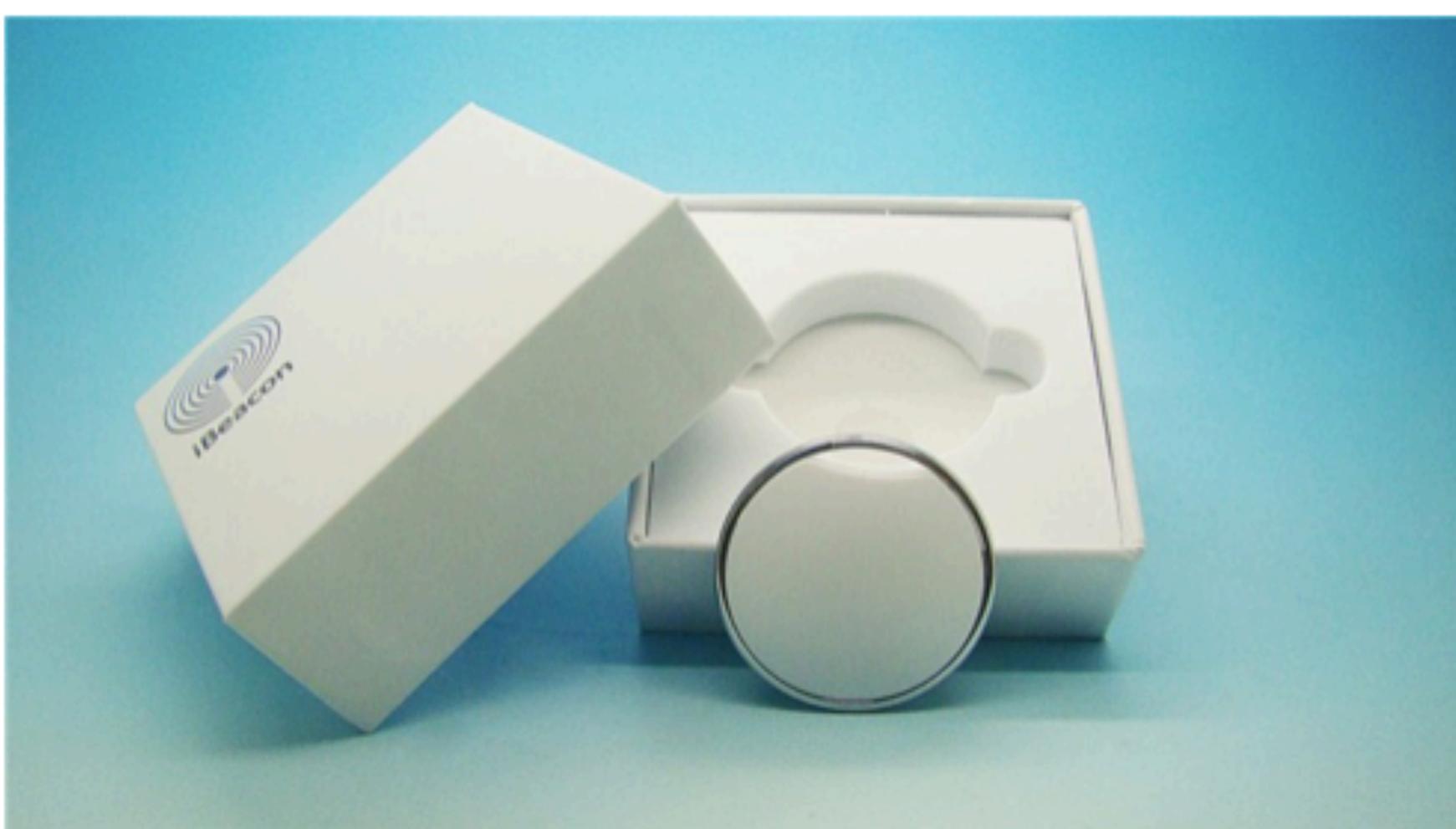


Hardware kosten Happy Bubbles presence detectors



Happy Bubbles Technology

Hardware kosten iBeacon



\$15/unit

 ADD TO CART

Bluetooth Low Energy beacon

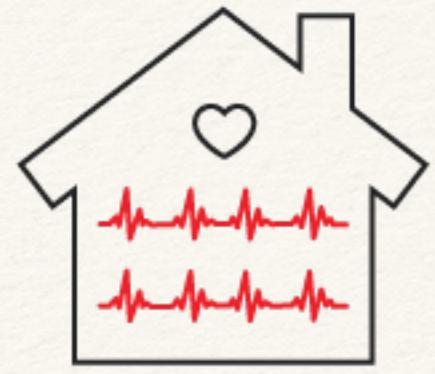
Bibliographie & Webographie



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Danke für Ihre Aufmerksamkeit



 **Bluetooth®**

the global wireless standard for simple, secure connectivity.

**Bluetooth® Basic Rate/
Enhanced Data Rate (BR/EDR)**
for continuous connections

point-to-point (1:1)

- audio streaming
 - wireless headsets
 - wireless speakers
 - in-car audio

point-to-point (1:1)

- data transfer
 - sports & fitness devices
 - health & wellness devices
 - peripherals & accessories

Bluetooth® Low Energy (LE)
for short burst connections

broadcast (1:m)

- localized information
 - point of interest beacons
 - item finding beacons
 - way finding beacons

mesh (m:m)

- large device networks
 - building automation
 - wireless sensor networks
 - asset tracking

