

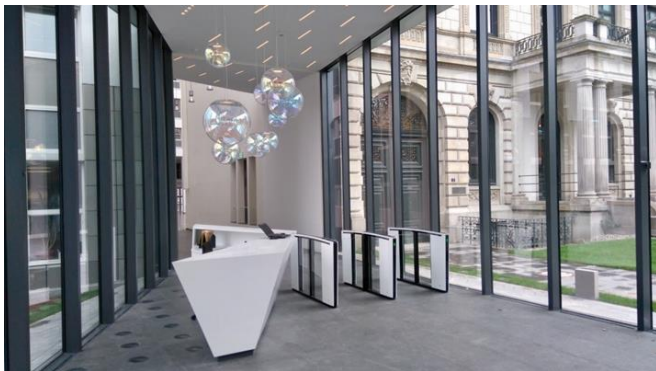
Smart access control for smart buildings of the future



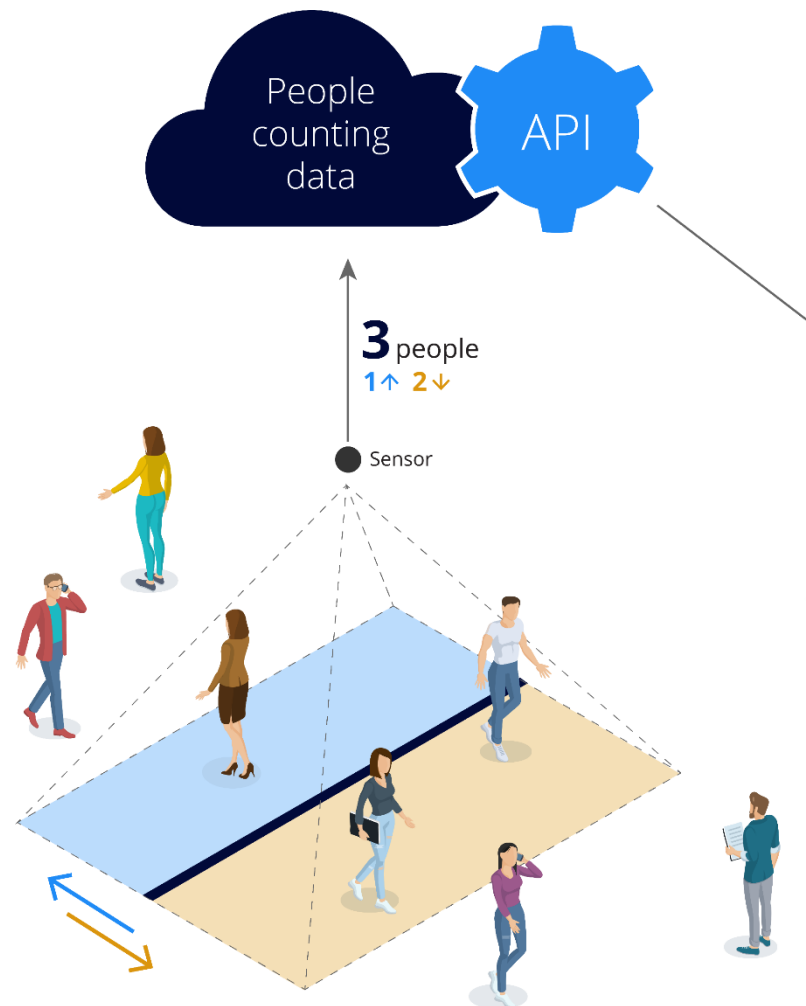
Smart access control for smart buildings of today



The entrance



Smarteagle People Counting



Smarteagle People Counting

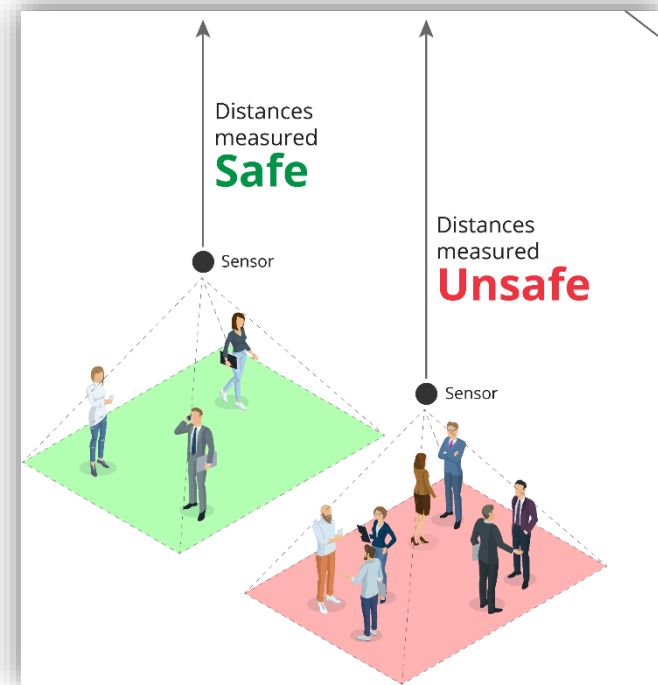
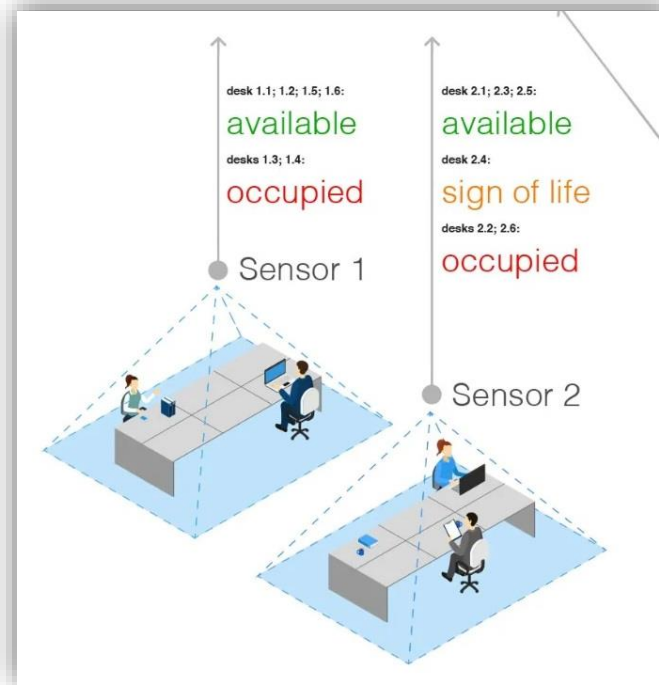
Smarteagle People Counting



- Real-time on-board image analysis
- Privacy by design
- Works in any lighting condition
- Data accessible via portal and API

Smarteagle | Applications

- Desk occupancy
- Distance sensing



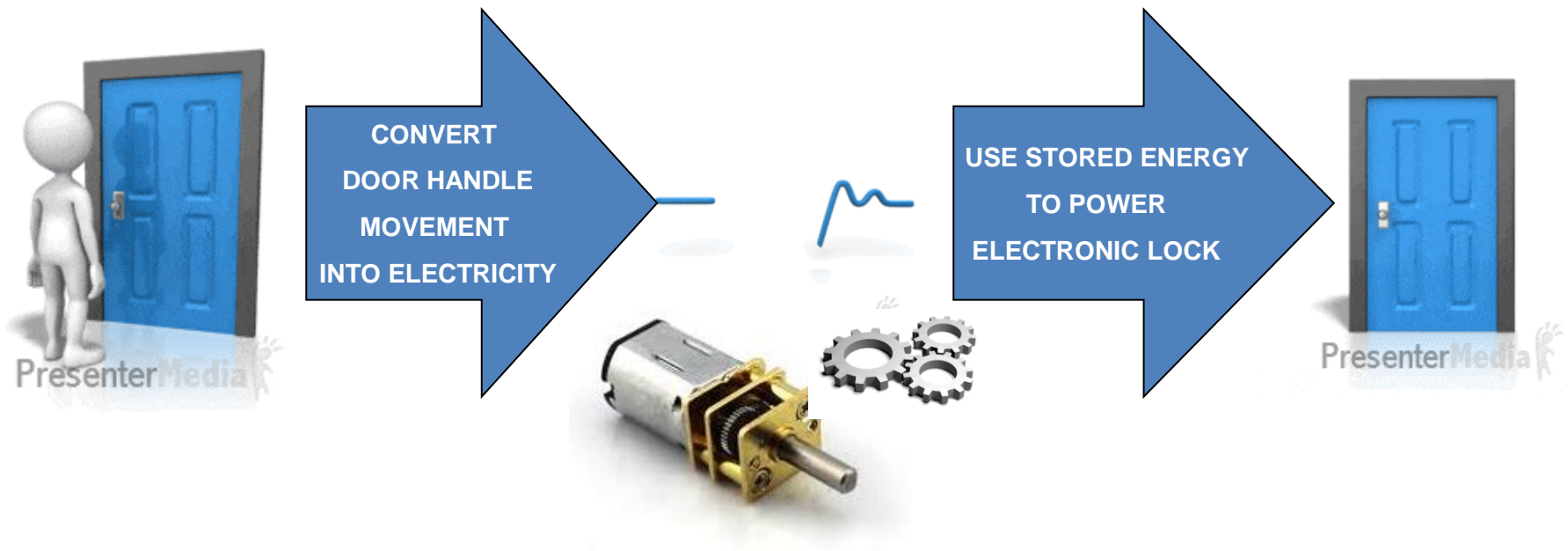
Electronic Locks

Challenges

- Battery Powered
- Wired connection

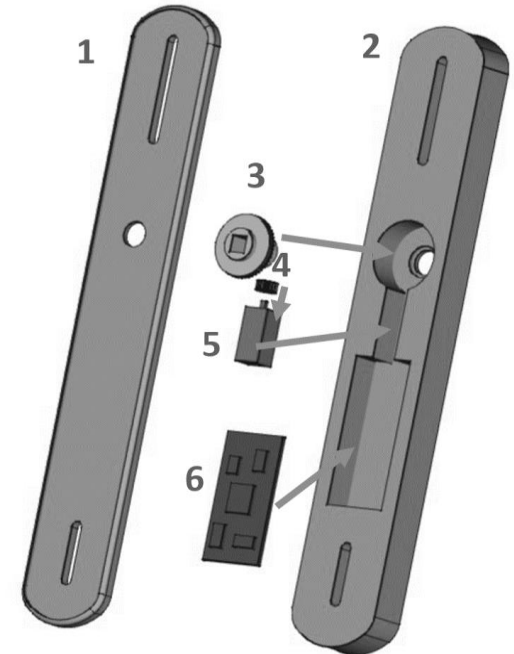


Energy | Harvesting



Energy Harvesting

- Harvester placed behind existing lock
- Easy Installation
- Battery recharged at each door opening



Hands Free Entry



Hands Free Entry

- BLE enabled locks
- Phone enabled locks
- Automatic Authentication

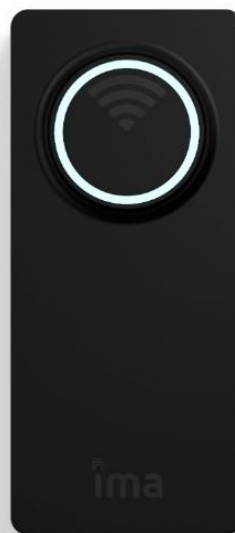
Unwanted door opening

- Capacitive Reader
- Ultra Wide Band Localization



Capacitive Reader

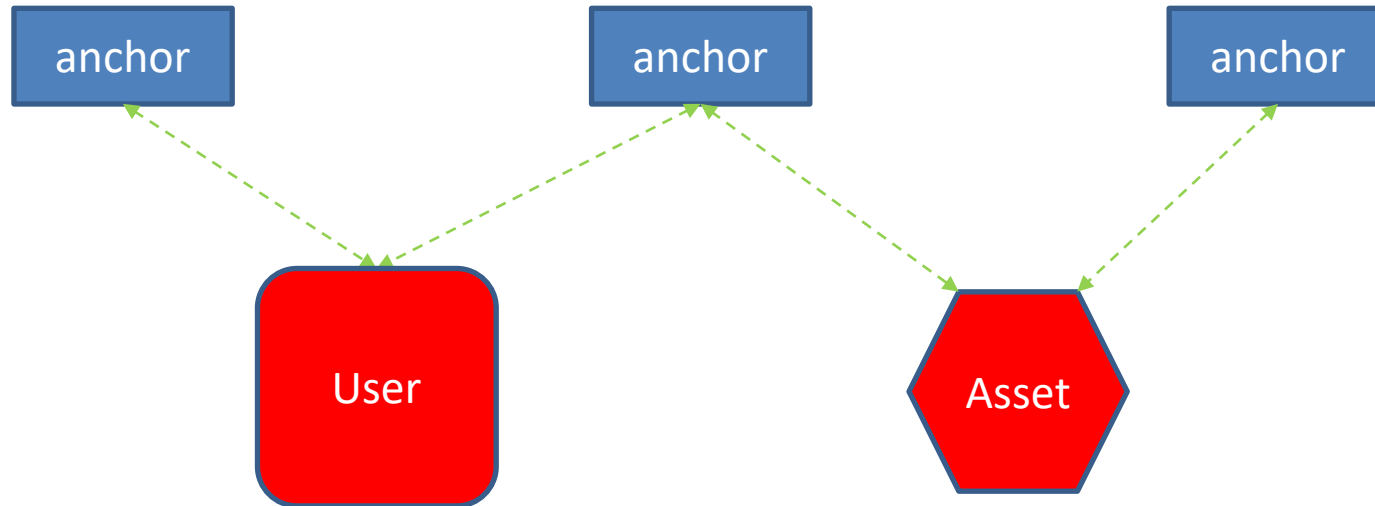
- Capacitive BLE reader
 - New BLE chipset
 - Capacitive sensing
 - Detection of human body triggers BLE communication with nearby device



Ultra Wide Band Localization



Ultra Wide Band



Ultra Wide Band Localization

- Accurate localization (< 10 cm) of Assets and People
- Enable automatic door opening
- Increased security



BGRID



bGrid

Insight in building parameters

- Temperature(°C)
- Relative humidity (%)
- Ambient light (lux)
- CO₂ (PPM)
- Presence (PIR)



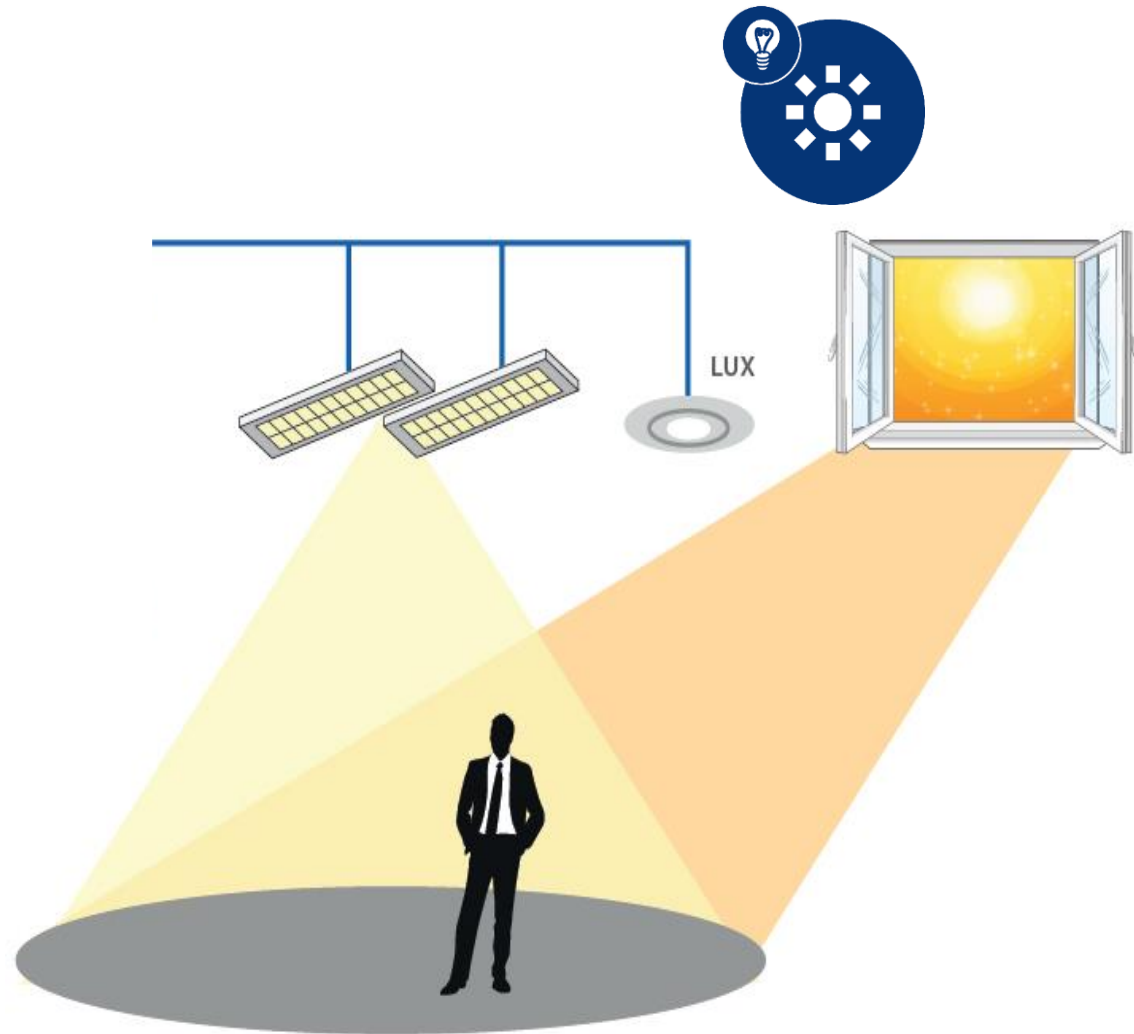
bGrid

Light control

- Presence-based light control
- Daylight harvesting
- Light intensity control via App

Localization

- People finding
- Asset tracking





Bace Gateway



Heineken Blade



Heineken Blade

Objectives

- Owners / Users
 - Less Problems
 - Better Use
 - Historic data
- Marketing
- Sales
- Technical Support



Summary

- Smarteagle
 - People counting
 - Desk occupancy
- Energy Harvesting
 - Simple installation
 - Save on maintenance
- Capacitive reader
 - Cardless entry
 - No unwanted authentication
- UWB
 - Accurate indoor localization
 - Secure communication
- Bgrid
 - Climate sensors
 - Light Control
- BACE
 - Multi-purpose Gateway
- Heineken Blade

Název čtečky	Začátek	Konec	Úspěch	Výsledek stahování
LAN01 ID01 - hlavní dveře			×	
LAN02 ID01 - zadní dveře			×	
LAN02 ID02 - evidenční čtečka			×	
LAN03 ID04 - tělocvična			×	
LAN03 ID05 - kabinet			×	
LAN03 ID06 - jídelna			×	