



# Pole Star indoor positioning & proximity detection Fusion & self-learning: scalability and controlled QoS

**PLACE conference, London**

November 17<sup>th</sup>, 2014



# Customer requirements



## ⊕ Expected service

- ✘ Indoor positioning
- ✘ Proximity detection & micro-location – **Background operation even in the pocket**

## ⊕ Scalability

## ⊕ Cost efficiency

## ⊕ Device compatibility

- ✘ Immediate! = automatic device calibration

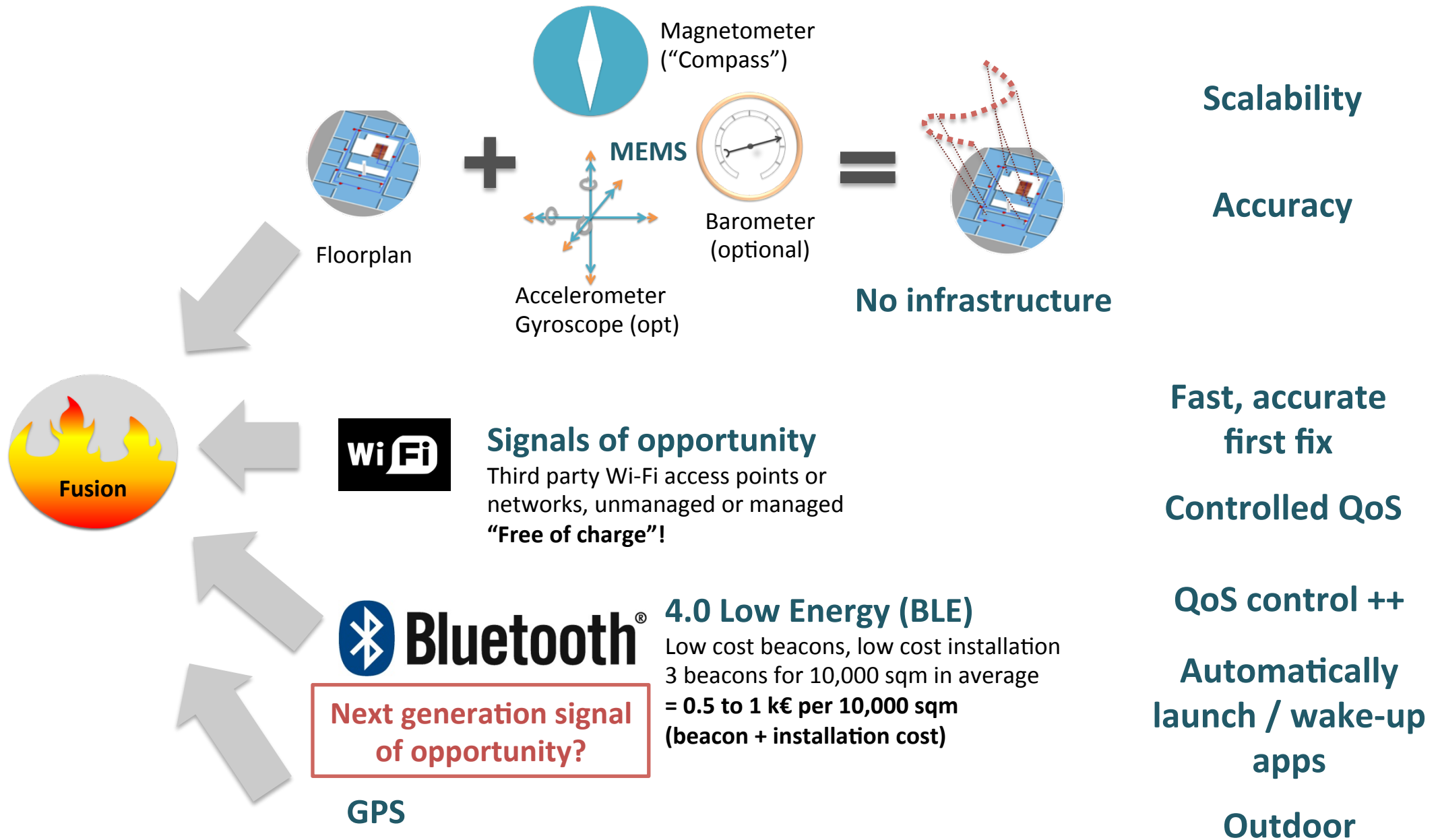
## ⊕ Performances

- ✘ Fast & reliable first fix
- ✘ Refresh rate ~ 1s – no bottleneck

## ⊕ QoS control

- ✘ Ability to forecast accuracy
- ✘ Ability to act on the level of accuracy
- ✘ Simple engineering
- ✘ Maturity...

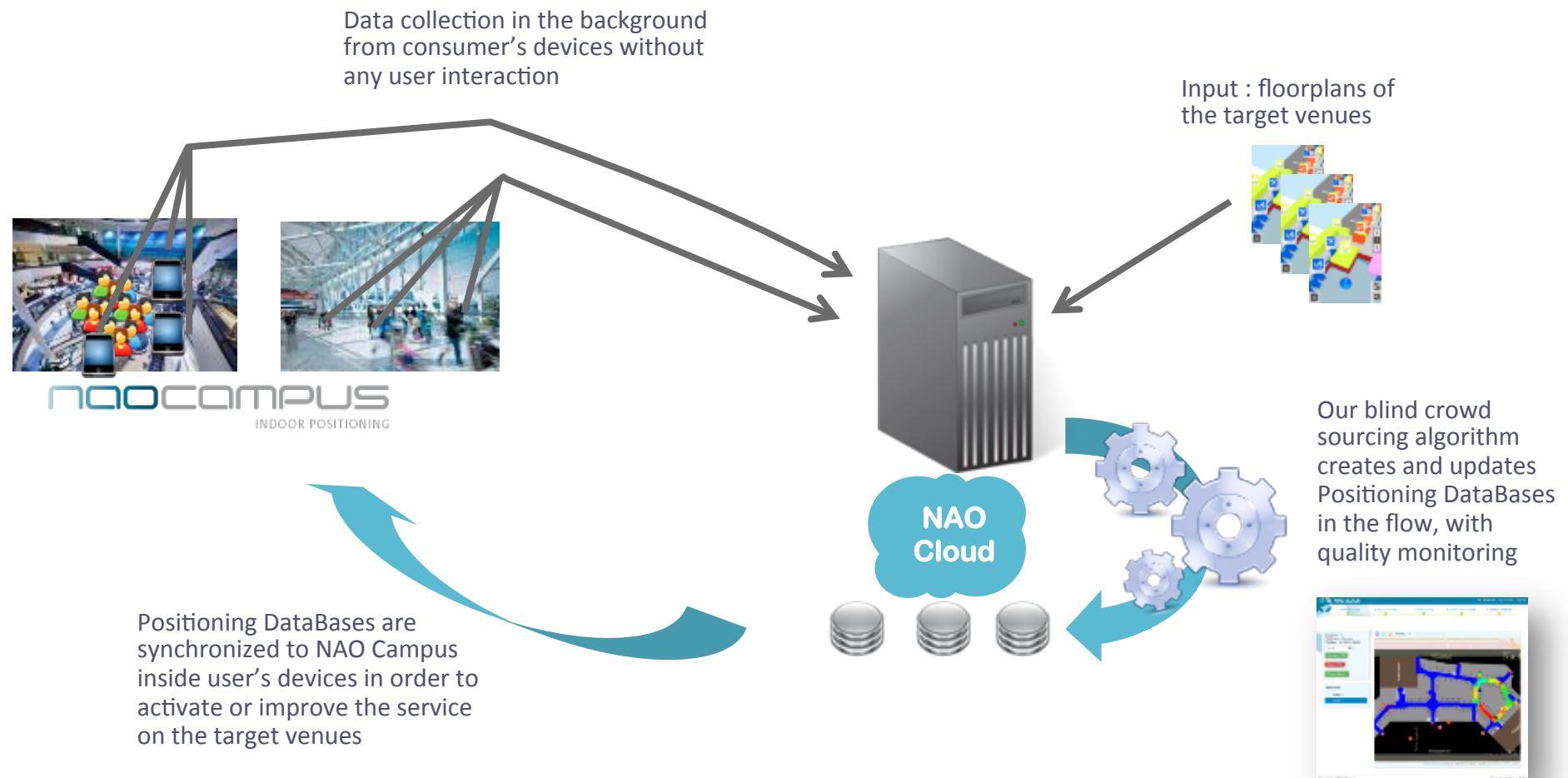
# Fusion: accuracy, scalability, QoS control, compatibility



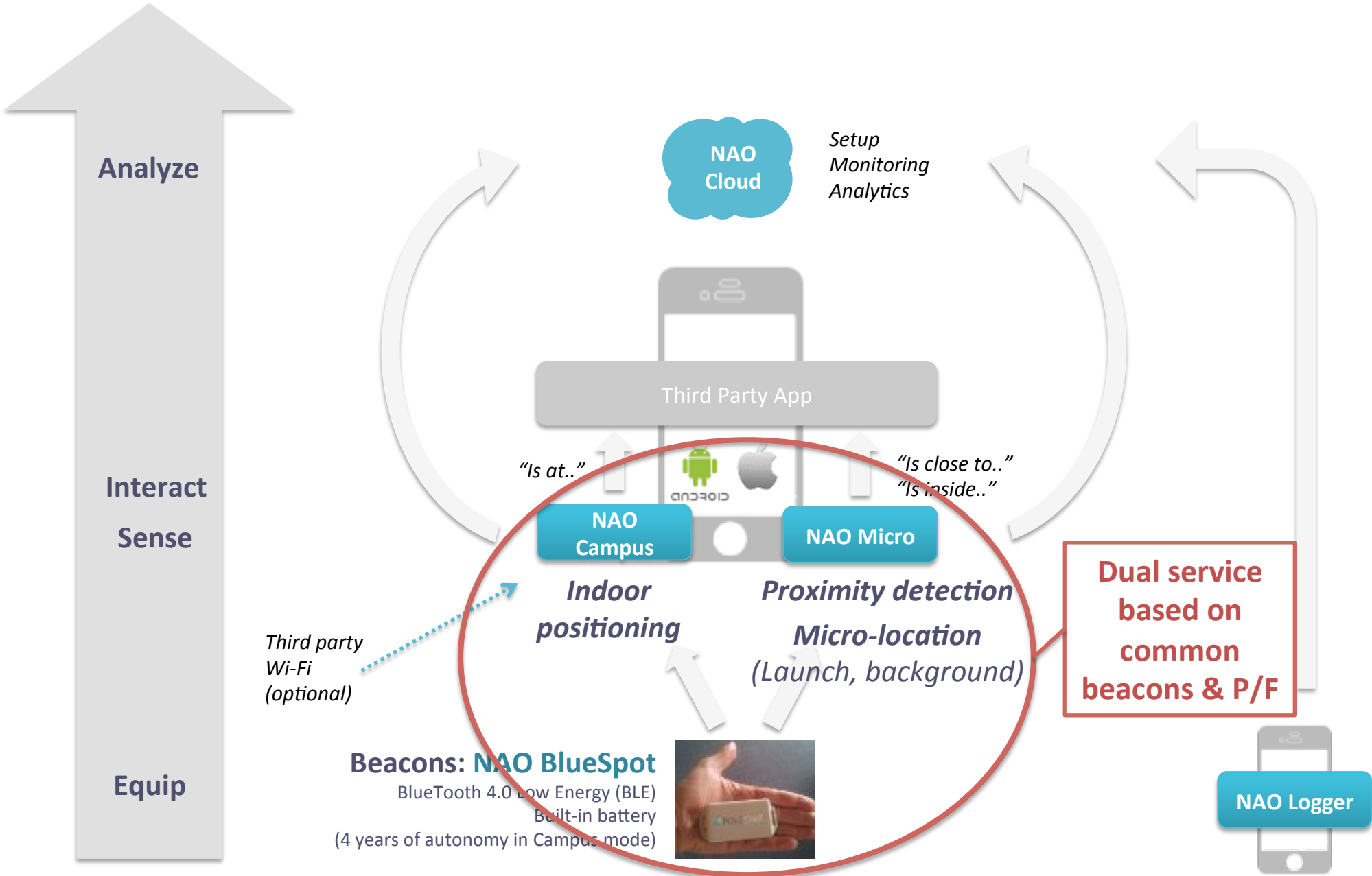
# Scalability with Blind Crowd Sourcing: self-learning technology

## Fingerprinting done by users without any interaction with them

- ✗ Traditional location technologies require field staff for their setup and maintenance
- ✓ Crowd sourcing technology enables to setup and maintain our NAO Campus location service with no field staff

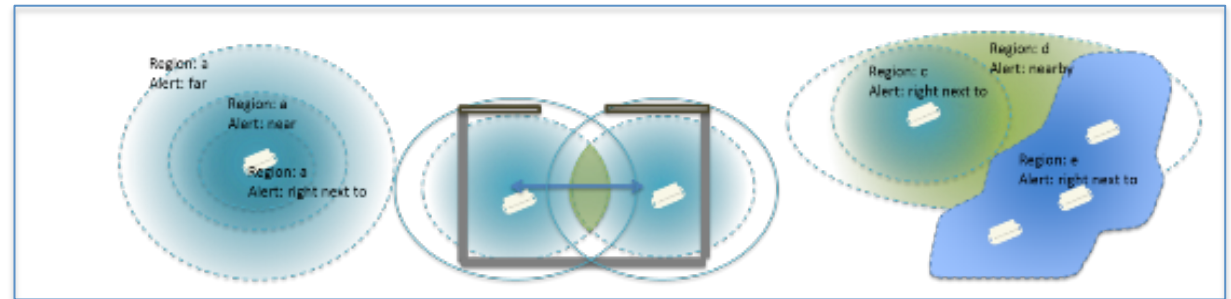


# Our offering



# NAO Micro: designed to engage and capture data for analytics

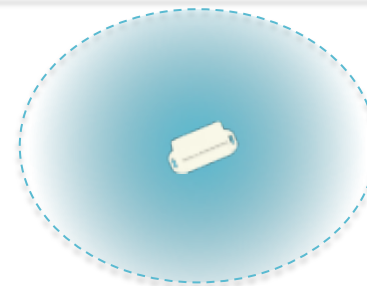
Smart detection rules



Regions and rules managed from the cloud



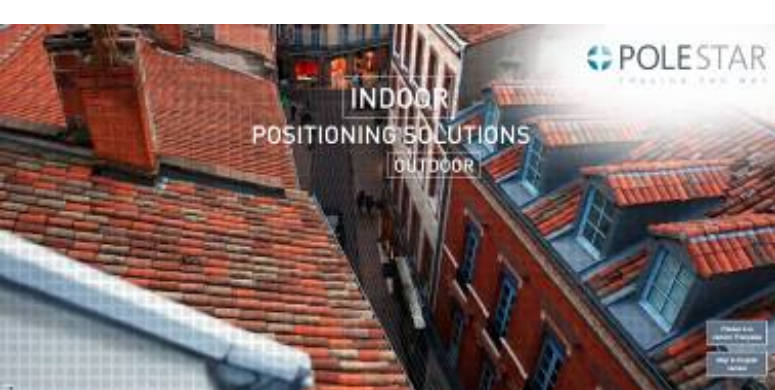
Extended battery life  
Encrypted ID: no spoofing



Compatibility







***Pole Star USA***  
***5150 El Camino Real***  
***Los Altos, CA 94022***  
**[www.polestarusa.com](http://www.polestarusa.com)**

***Pole Star Europe***  
***11 rue Paulin Talabot***  
***31100 Toulouse - France***  
**[www.polestar.eu](http://www.polestar.eu)**  
***+33 534 609 520***

**Jean-Baptiste PROST**  
**Deputy General Manager & CTO**  
**[jb.prost@polestar.eu](mailto:jb.prost@polestar.eu)**

