

# Roadmap towards a smarter society with IoT

## How do we get started?

Morten Gjørstad Kristensen  
Business Developer, Smart Society Solutions, SEAS-NVE

# SEAS-NVE Group

80

percent of  
offshore windfarm  
Rødsand2

94,9

percent of EV - charging  
company CLEVER

65,5

Percent af Fibia

40,2

percent af  
EnergiDanmark

9,54

percent af Ørsted

**898** Employees **2,56** billion equity (EUR)

**443.000.000**






Income/profit before tax (EUR) – 693 mil. In 2016

**511** million  
Revenue (EUR)

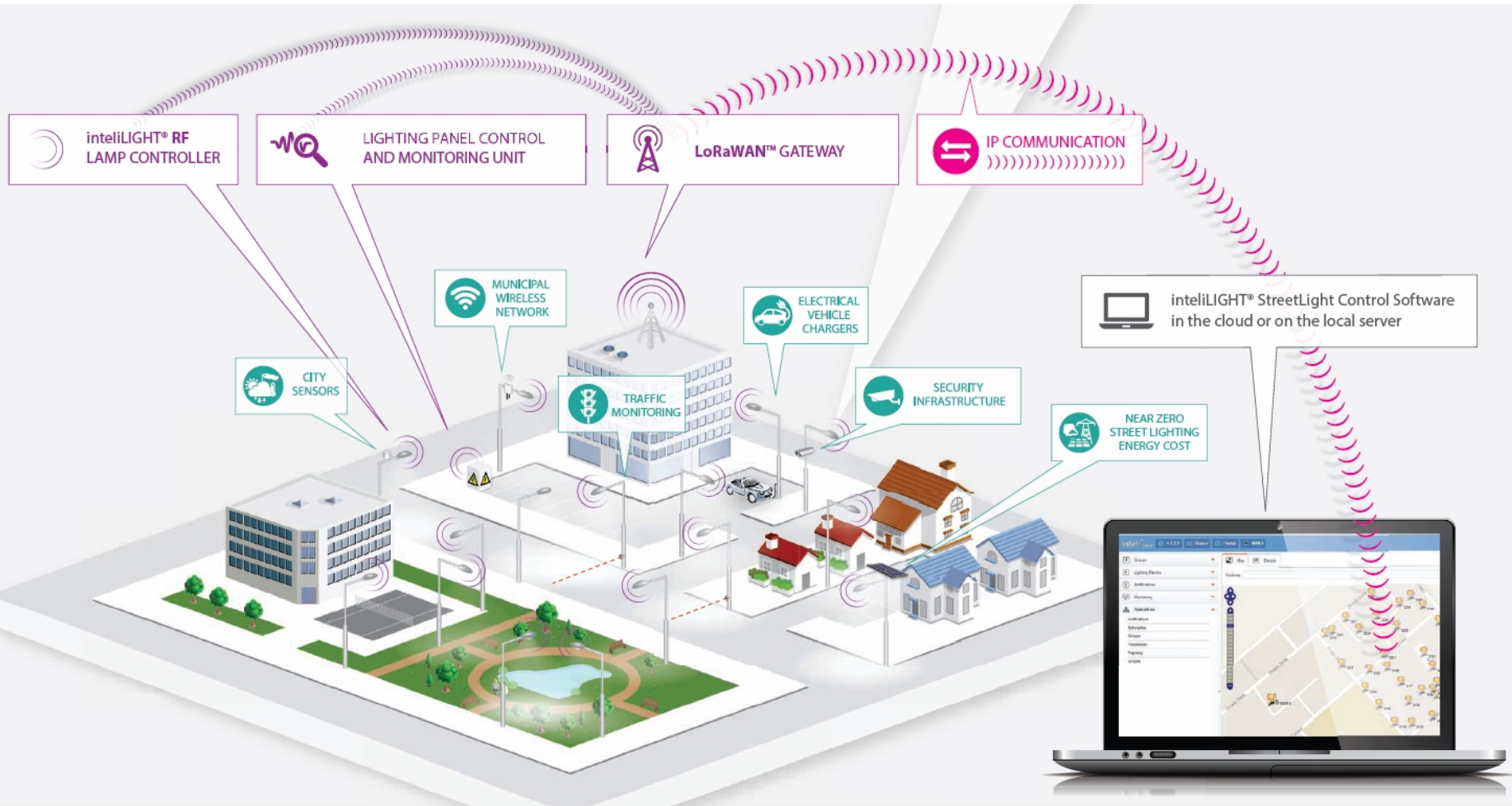
**390.851**  
Co-operative owners of SEAS-NVE

## Our map of Denmark

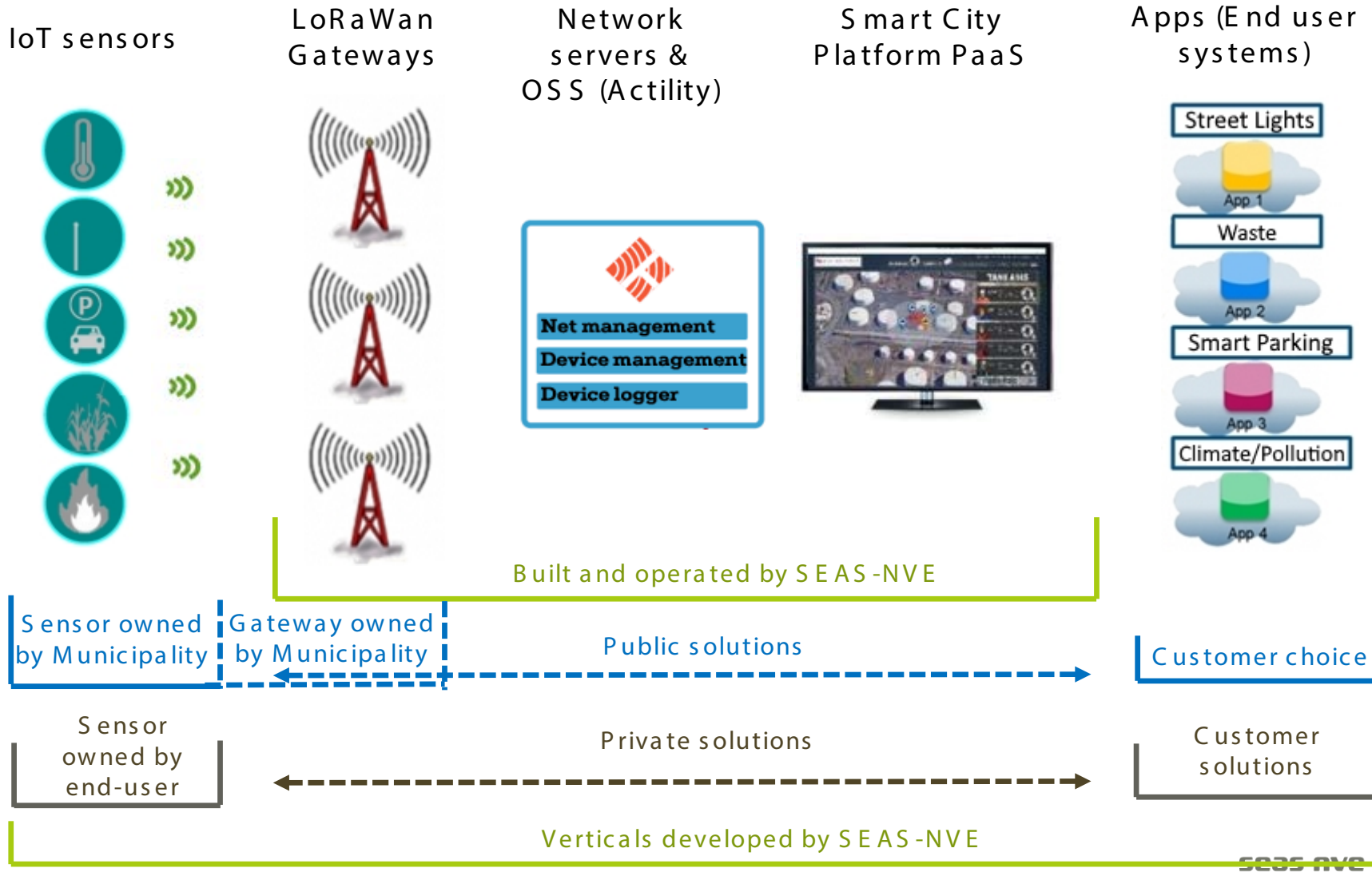


-  We have customers for electricity, EV-chargers and gas in the whole country
-  Fiber network outside our own region
-  Our region where we own the power grid and fiber network
-  Local utility companies
-  Location of our offshore windmill park, Rødsand 2

# IoT Infrastructure – LoRaWan From sensor to application



# LoRa-WAN – IoT Network for smart solutions

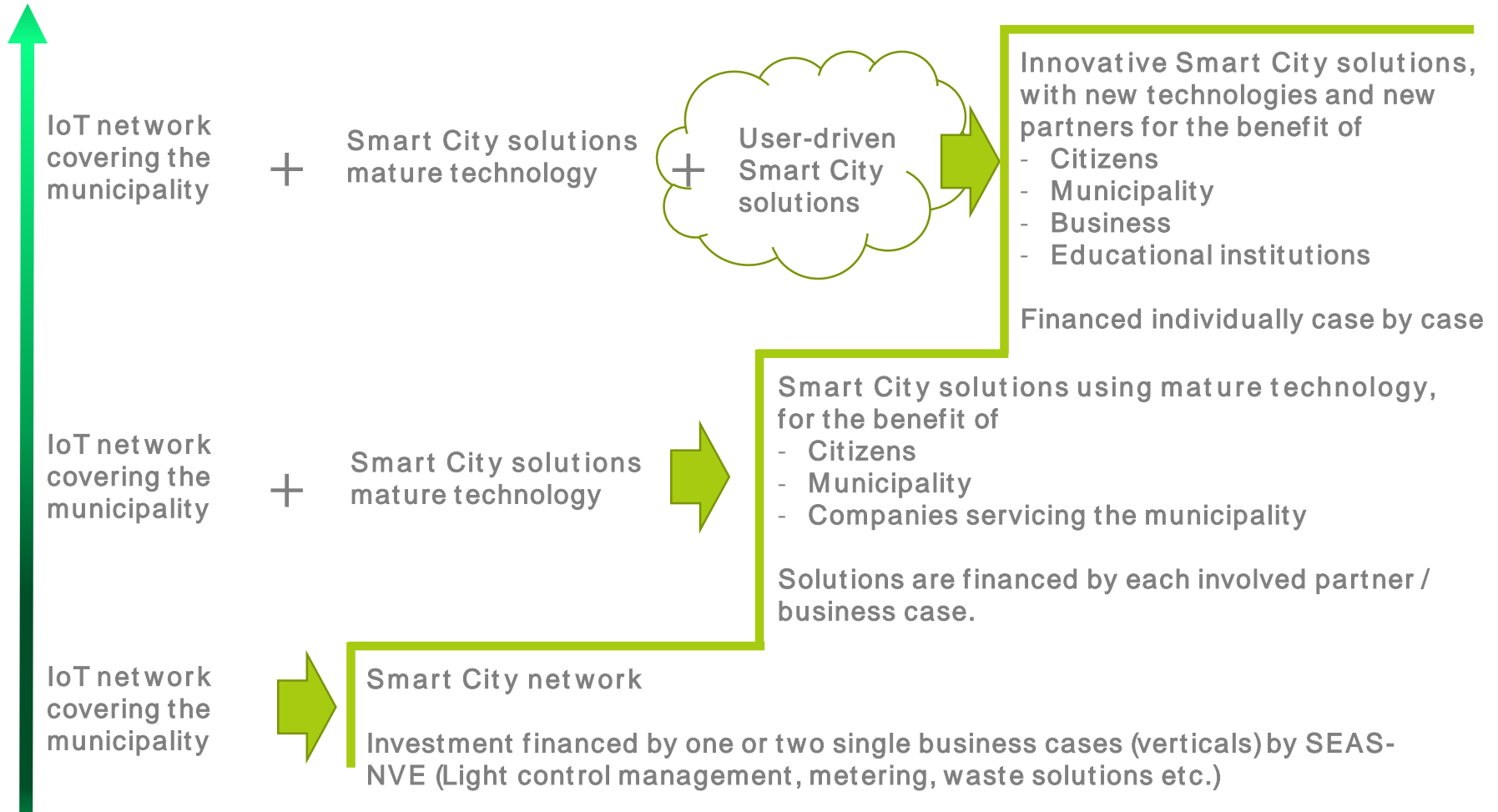


# Smart Society Barrierers and challenges

## Problems getting started with IoT Smart solutions

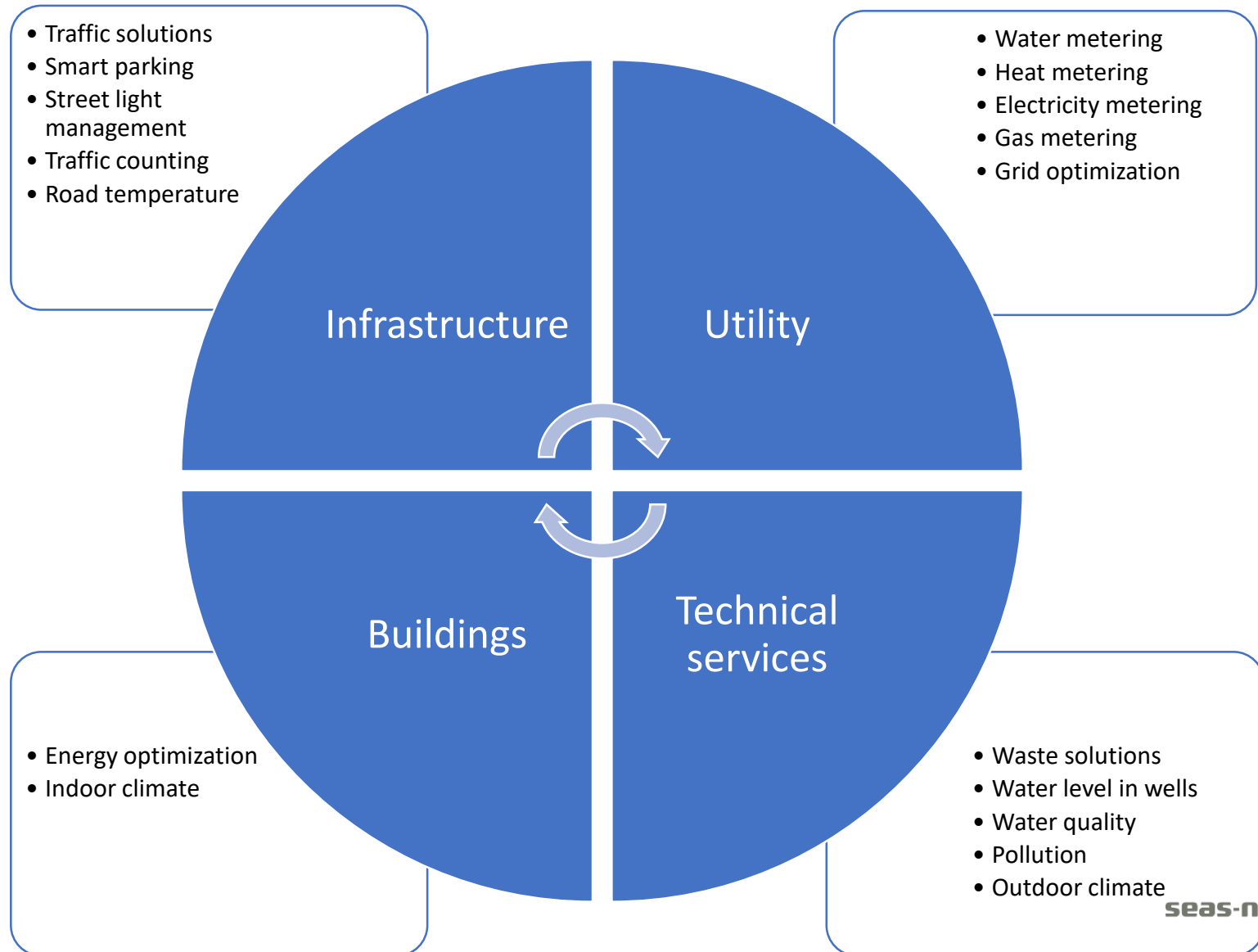
- No public strategy of what need to be solved?
- Ownership of data?
- Cybersecurity?
- Hacking?
- Silo-thinking in the municipalities
- What do we do with all that data?
- Which standard should we use?
- Which Smart City platform should we use?
- Choice of technology?

# Stepping stones towards a Smarter Society

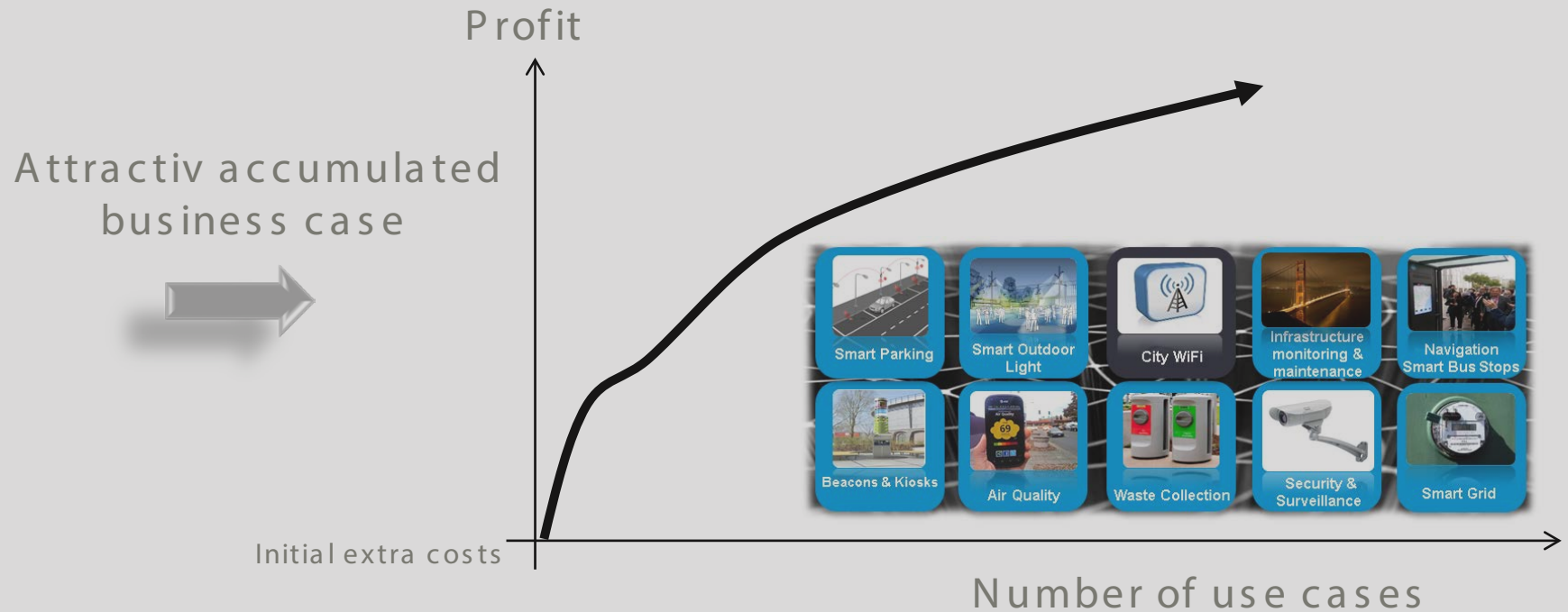




## Verticals close to our dna



# Availability creates more business cases



- Make it open and have scalable from day 1
- Share resources and data horizontally between silos and increase information and knowledge
- Embrace innovation for the benefit of the citizens