

# HUMBLE LAMPOST CITY SURVEY INSIGHTS

An initiative of the European Innovation Partnership, Integrated Infrastructure Action Cluster



## A COLLABORATIVE 'QUICK WIN'

- **60-90 million** Lampposts in European Cities
- **75%** of them > 25 years old
- Consuming **20-50%** of a city's energy bill
- **50+%** Energy & Maintenance saving potential

A pan-city asset platform for smart services



## THE BENEFITS OF ACTION

- **€ 1.9 billion p.a.** potential energy saving
- GHG equivalent of **2.6 million cars** off the road
- A kick-start to smart cities' roadmaps

## ...AND THE COSTS OF INACTION

- **€ 120 m per week** in potential energy savings



## WHAT WOULD HELP CITIES

100+ Cities surveyed in 15 EU countries

- **60%** want 'smart' lampposts, not just light
- **Connectivity** from lamppost network is a key enabler
- **Scale** – not just more pilots
- **Confidence** from standards

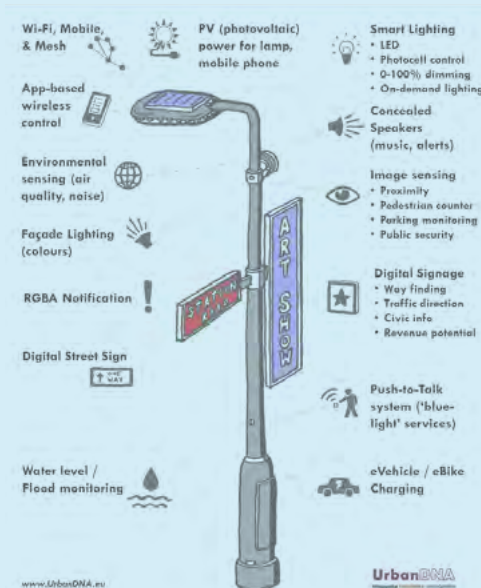
Exploitation of Smart Cities Lighthouse programmes as a route to collaborative market influence



## THE CHALLENGES

- Access to finance (& innovative business models)
- Clarity on costs
- Business Case justification
- Demand Aggregation to amass volumes to achieve economies of scale
- Addressing some irksome technical challenges
- Leadership to champion cross-functional (silo)

## A DOZEN SMART WAYS TO USE A LAMPOST THAT HAS NOTHING TO DO WITH LIGHT!



## EIP-SCC INITIATIVE PLANS

- Upgrade **10 million** Lampposts in EU Cities
- A Component-based open interoperable design
- Better, cheaper, faster solutions for EU cities; and export opportunities for EU industry
- 'Pavilion' match-making events to stimulate market action