Smart Dublin Overview

Alan Murphy
Smart Dublin Regional Manager



Agenda

- 1. Who we are and how we work
- 2. A selection of our projects
 - Transport
 - Public Realm
 - Energy
 - Tourism
 - Water
- 3. Key Takeaways







Smart Dublin is an initiative of the four Dublin Local Authorities









To engage with relevant stakeholders to address urban challenges and improve quality of life.







A community of practice focused on the advancement of cities and communities in both the Republic of Ireland and Northern Ireland.

www.smartcitiesireland.org

Positioning the smart city activity

The Smart City IoT (external to the Local Authority) Degree of Technology Innovation Mobile **Big Data** Cloud Drones **Digital Transformation** ΑI (internal to the Local Authority) AR/VR

Exploring
Emerging Tech
which is ever
evolving

Degree of LA Service Transformation

Smart Dublin as the Innovation Catalyst

Local Authority Service Owners



Tech innovation we do can be adopted by:

- ✓ All 31 Local Authorities
- ✓ Other cities internationally



Transport Alternatives to the private car - MaaS, Smart Mobility Hub

MaaS for Ireland



- Multi-stakeholder engagement
- Public-Led model
- Report completed



- FED UP WITH DRIVING IN RUSH HOUR TRAFFIC?
- WISH YOU COULD LEAVE YOUR CAR AT HOME BUT YOU NEED TO USE IT FOR WORK?
- WHY DON'T YOU SIGN UP FOR THE FREE SMART **MOBILITY HUB?**



LAUNCHING MAY 8 2019!

CIVIC OFFICES CAR PARK!





SIGN UP NOW INFO@SMARTDUBLIN.IE













BLEEPERbike





Transport Managing the kerbside - Last Mile Delivery

Smart loading bays allow cities to flex:

- ✓ Hours of operation
- ✓ Types of vehicles permitted (e.g. low/no emission only)
- ✓ ToU charges

(Image: Parkunload solution)



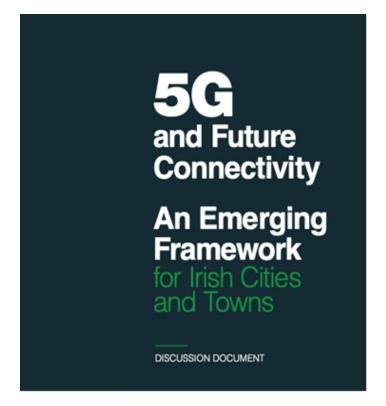


- Urban eco package hubs x 2
- Trialling newly designed zero emission vehicles





Public Realm 5G & the role of Local Authorities





















Public Realm Air Quality Monitoring – Google StreetView

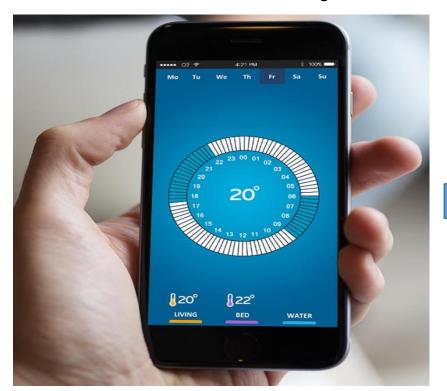






Energy Smart Thermostats in Social Housing

1,000+ Climote units for social housing stock in DLR, DCC



Data

To inform Energy Retrofit programmes







Tourism Smart Tourism Programme – Failte Ireland, DLAs, DCCC



Digital Transformation & Smart Tourism Advocacy

The Smart Tourism Programme, and its partners (industry, start-ups and research centres), will provide access to digital expertise, international case studies, best-in-class design, and technology solutions to inform decision making for Dublin.

Digital Trail App Development

Helping to develop mobile based Apps which enhance and improve the visitor experience across the Dublin region, for example the Docklands Heritage Trail App.

Data Assessment

Using data and analysis to help better understand visitor behaviour, as well as helping to understand tourism recovery in the coming years, and inform the tourism experience and investment programme for Dublin.

Visitor journey planning & Orientation

Understanding how the visitor navigates and explores a city and helping to make visitor orientation and journey planning easier and more efficient.





Smart Tourism Digital Trails Toolkit to be published







Tourism Hugh Lane Gallery - Spatial Analytics





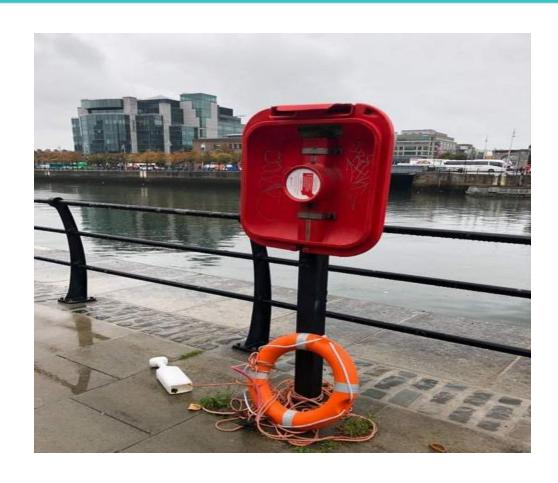
- Average Dwell Time
- Threshold Crossing
- Impact of Marketing campaigns







Water Ring Buoys



Problem Statement

- Approx. 130 rings of which approx. 20 rings go missing every week (DCC area)
- Benefits
 - Saving Lives
 - LA work schedule optimisation
- Conducted trials @
 - DLR
 - SDCC
 - FCC
 - DCC
- Multi Supplier Framework established for multiple LAs





Key Takeaways

- ✓ It's about LA service improvement enabled by emerging technology.
- ✓ Open innovation ecosystem of Citizens, Industry, Academia, Govt.
- ✓ Projects & lessons learned are scalable for other Local Authorities





Thank You!



www.smartdublin.ie