

# Smart Dublin Overview

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# 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.



**Legend**

- Capital
- Major cities

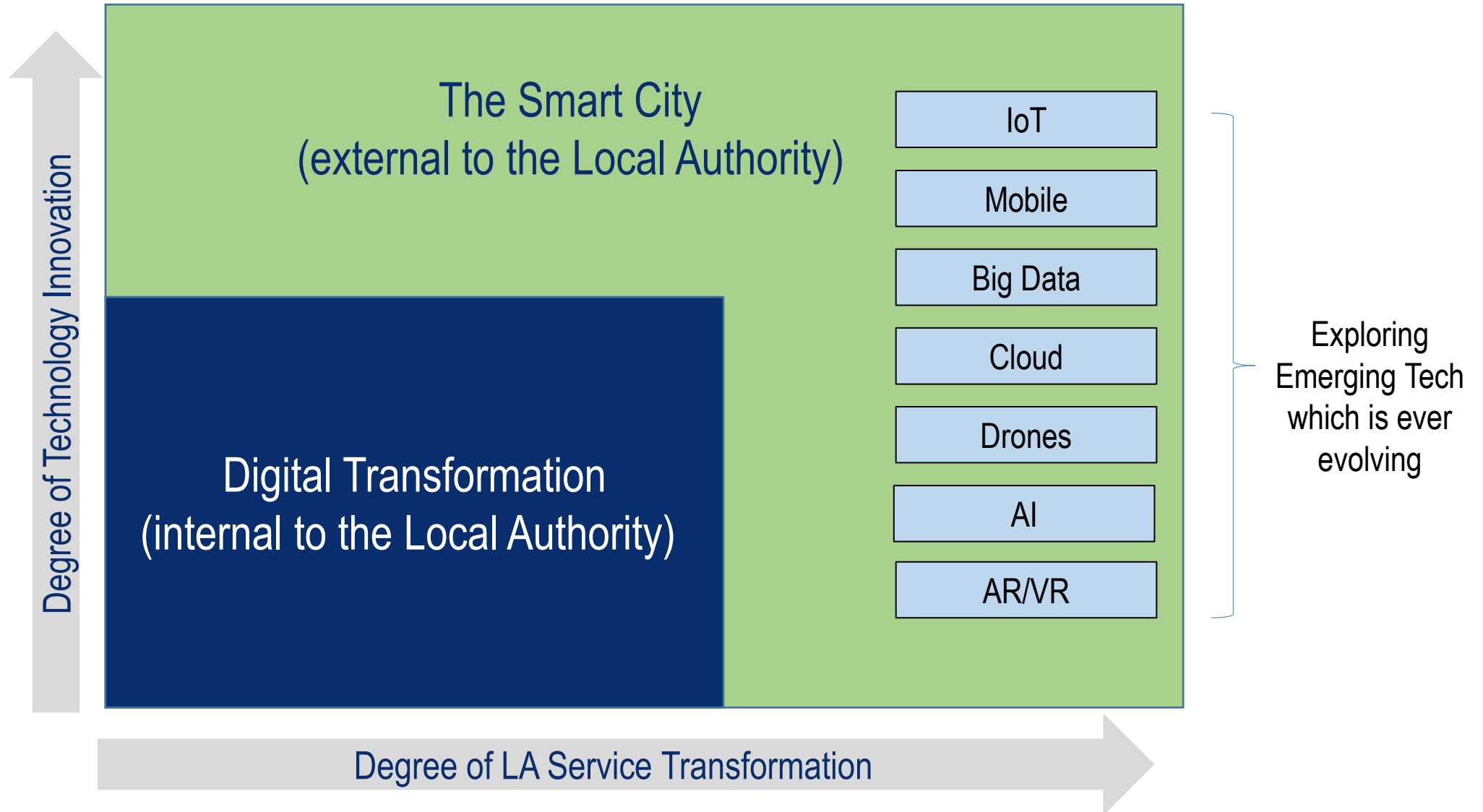


A community of practice focused on the advancement of cities and communities in both the Republic of Ireland and Northern Ireland.

[www.smartcitiesireland.org](http://www.smartcitiesireland.org)



# Positioning the smart city activity



# 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

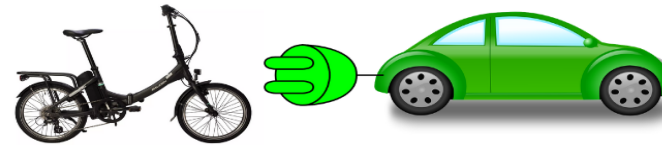
## MaaS for Ireland



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

## SMART MOBILITY HUB

- 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!

INTEGRATION OF  
E-CARS, E-BIKES,  
PUSH BIKES



DELIVERING SMARTER  
WORKPLACE  
MOBILITY  
FOR STAFF,  
REDUCING EMISSIONS

**SIGN UP NOW**  
**INFO@SMARTDUBLIN.IE**

PLEASE NOTE THE BIKES, EBIKES AND ECARS CAN ONLY BE USED FOR WORK PURPOSES AND CANNOT BE TAKEN HOME OVERNIGHT.





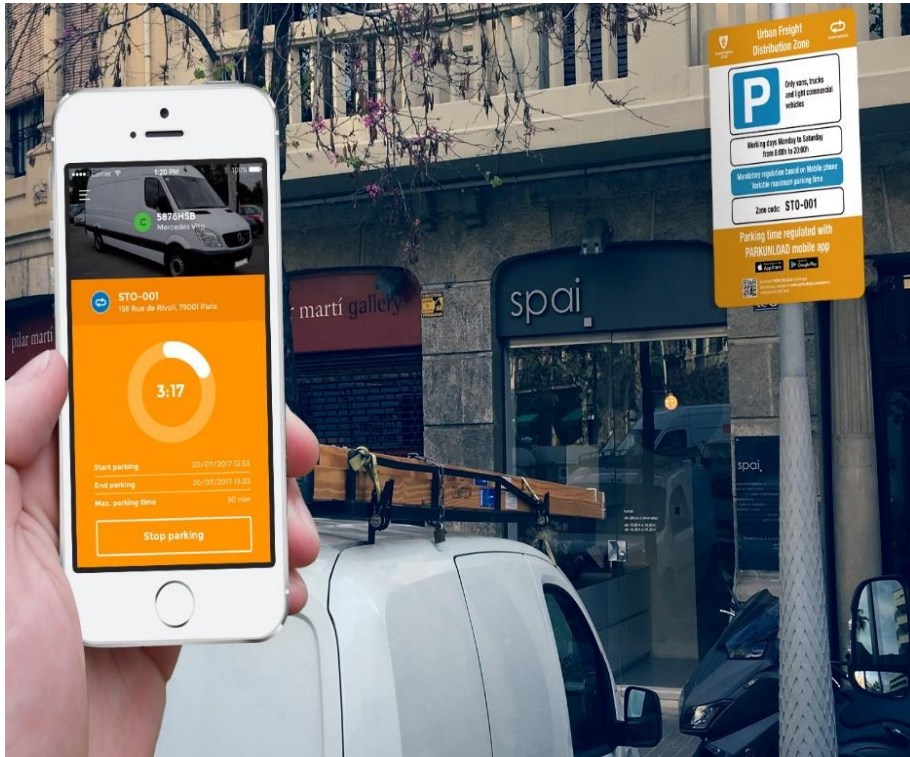
# Transport

## 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



### Contents

- 01 5G in Ireland
- 02 Role of Local Authorities
- 03 Deployment Architectures
- 04 Deployment Models
- 05 Health & 5G
- 06 Recommendations



# Public Realm

## *Air Quality Monitoring – Google StreetView*



# Energy

## Smart Thermostats in Social Housing

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



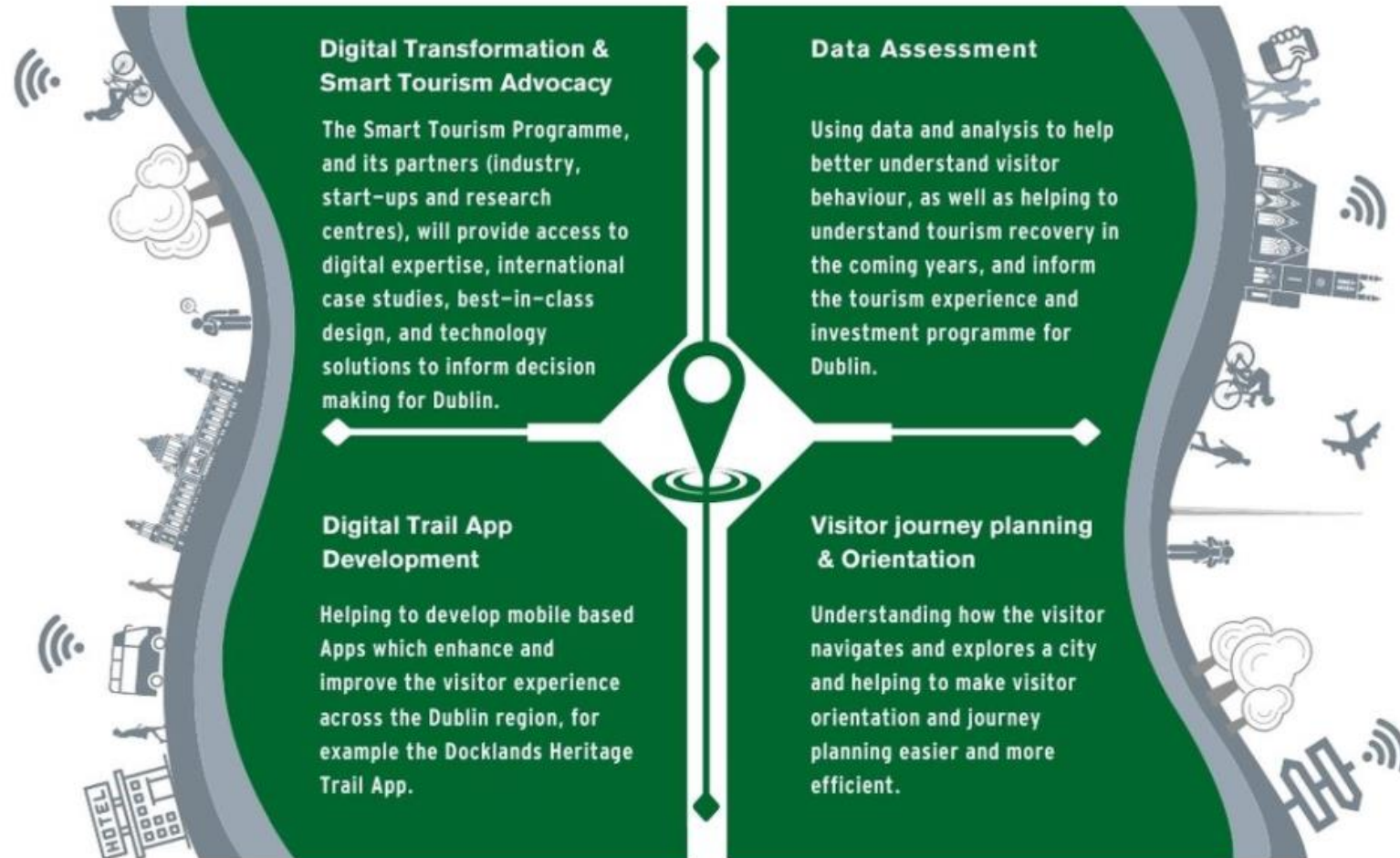
To inform Energy Retrofit programmes





# Tourism

## Smart Tourism Programme – Failte Ireland, DLAs, DCCC



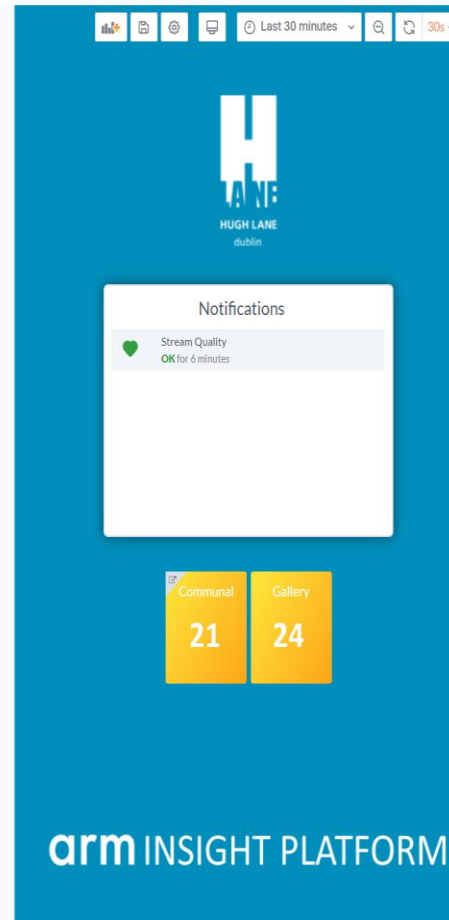
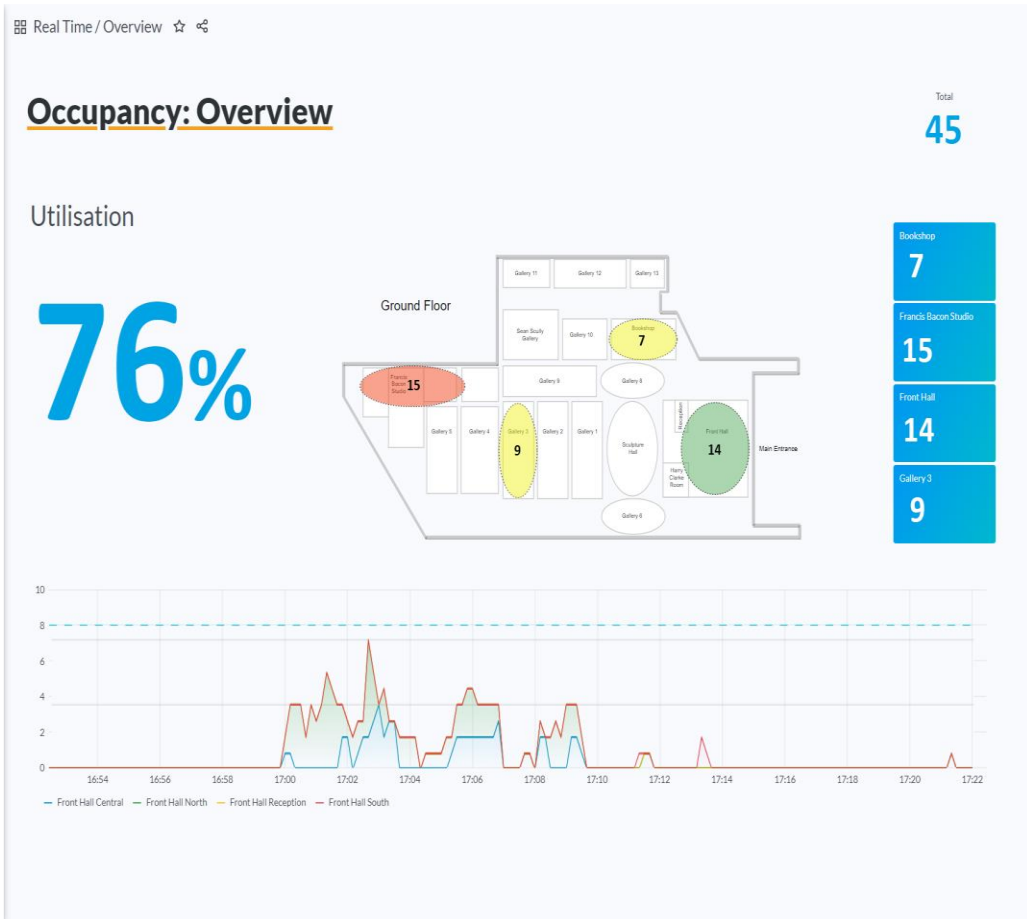
# Smart Tourism

## *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](http://www.smartdublin.ie)