



The Cathaoirleach of Edenderry Municipal District,  
Offaly County Council, invites you to the launch of



e-denderry

*a connected community from*



IoT - Internet of Things | LoRaWAN Connectivity |  
Smart Town Technology

wednesday 10<sup>th</sup> March 4.00 pm sharp

#DigitalOffaly #EvolvingEdenderry  
#GrowingTogether #OffalySpaceToGrow  
#ConnectedCommunities  
#Offaly #YourCouncil  
#Cellnex #LoveOffaly  
#IoT #LoRaWAN  
#Technology #Innovation



Tionól Reigiúnach Oirthir agus Lár-Tíre  
Eastern and Midland Regional Assembly



Presentation to  
Next2Met Policy Learning Event #4  
26<sup>th</sup> May 2021



# e-denderry



Digital  
Comhairle Chontae Uíbh Fhailí  
Offaly County Council



Catriona Hilliard, BBO / DS Officer, Offaly County Council  
Paul Delaney, Sales Director, Cellnex Ireland



# 1. Why e-denderry?



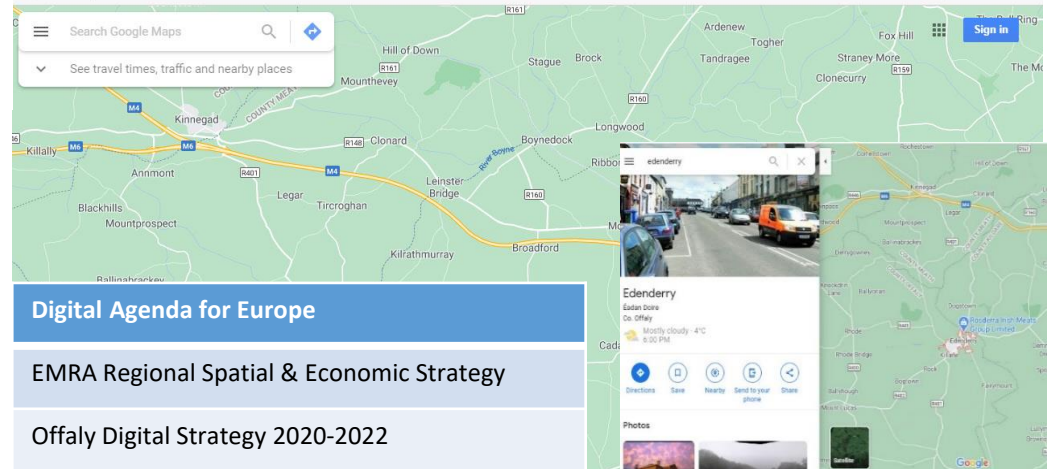
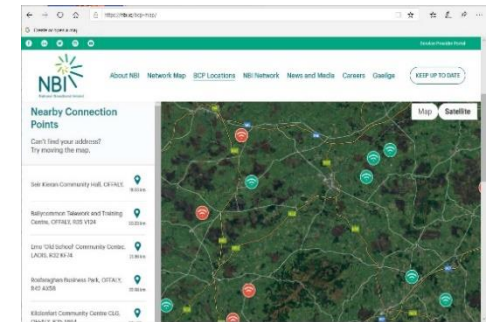
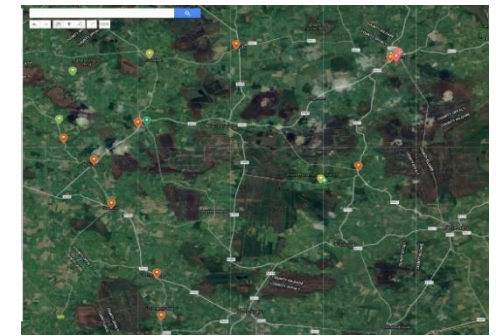
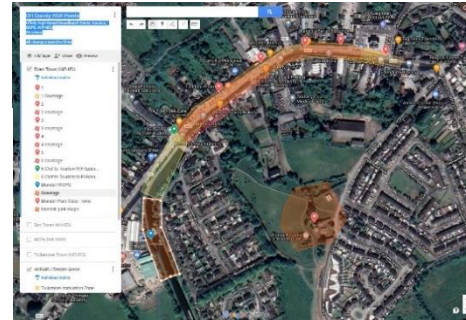
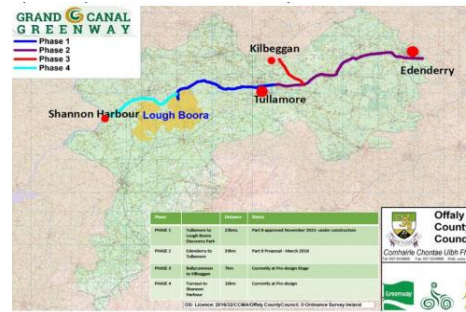
## EU Perspective?

- EMRA
- Leader/LAG
- NUTS 1/2 & LAUs



## What do the stats say?

- Socio-economic profile
- Demographic indicators
- Trutz Haase / HP Index



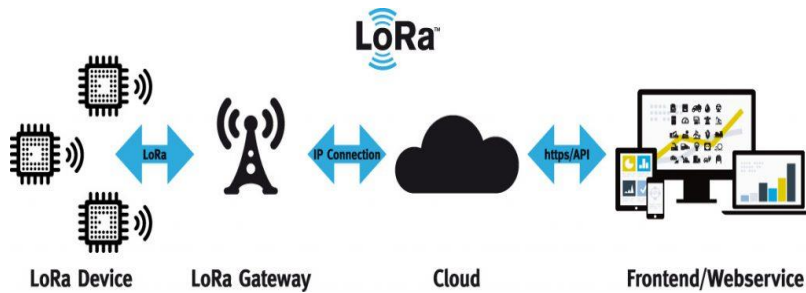


## 2. The 'Internet of Things', (IoT) what is it?

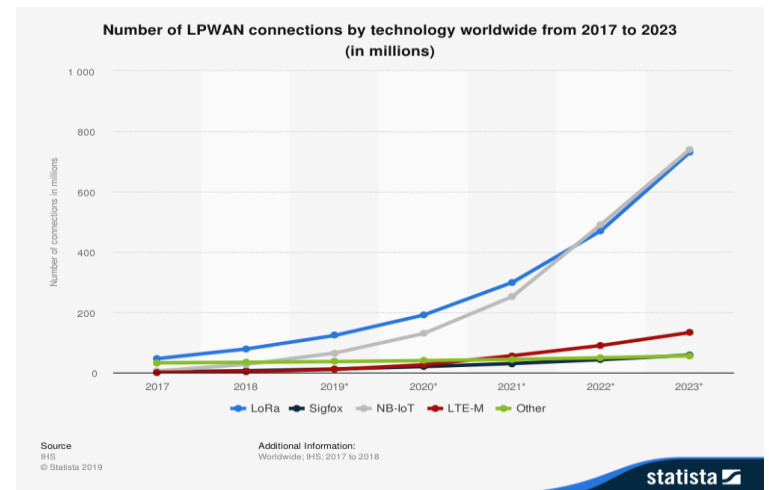


‘The Internet of things is a system of interrelated computing devices, mechanical and digital machines provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction’

## LoRa – Basic Network Architecture



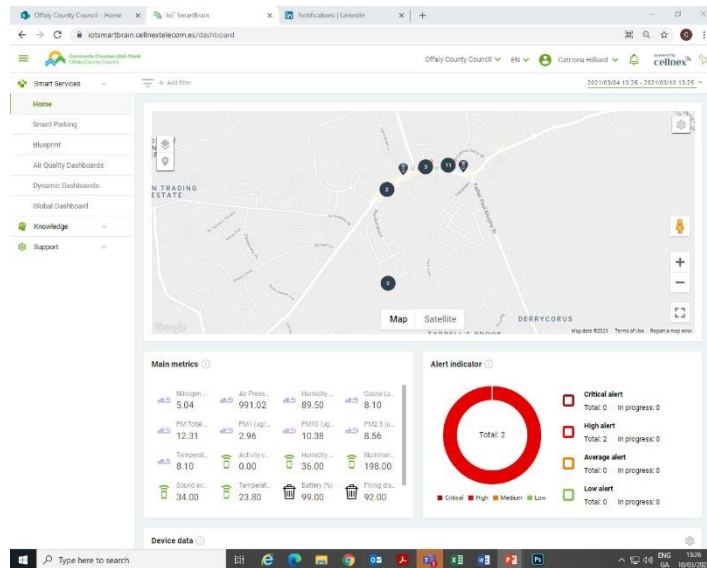
## LPWAN Growth Predictions



Over 700 million LoRa connections by 2023

Cellnex - Ireland

# 3.1 EV car charging points / Wheelchair spaces / loading bays /





# 3.2 Air Quality Monitoring (AQM)

edenderry

Edenderry

Eadan Doire

Co. Offaly

Cloudy · 9°C

9:45 AM

Directions

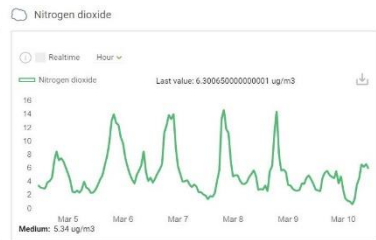
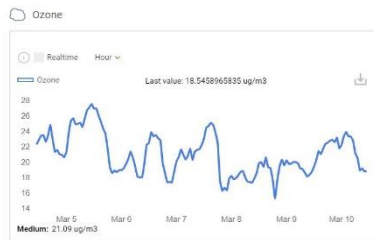
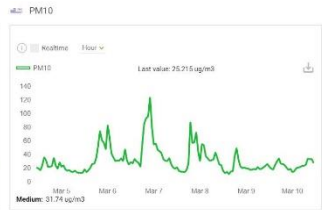
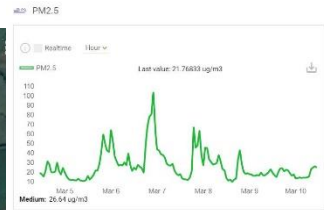
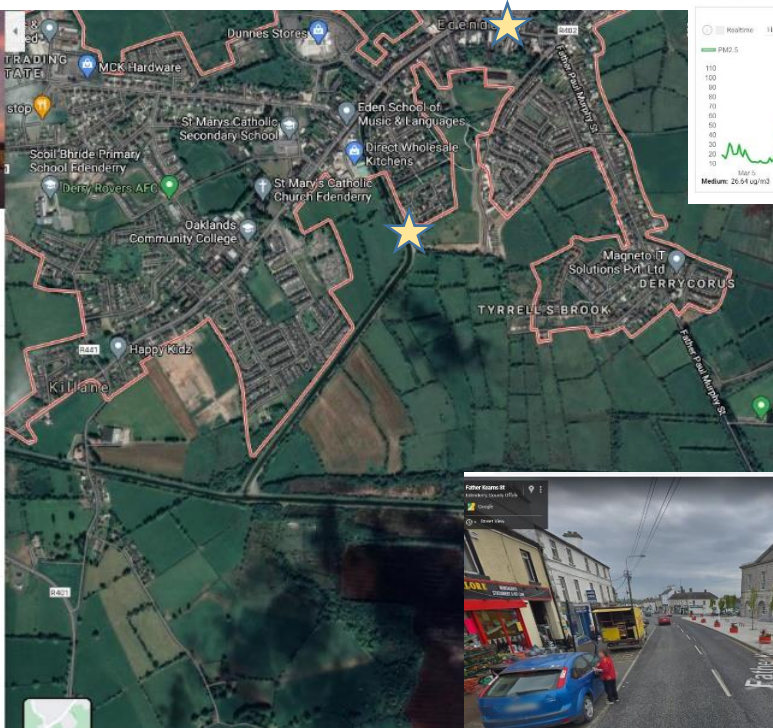
Save

Nearby

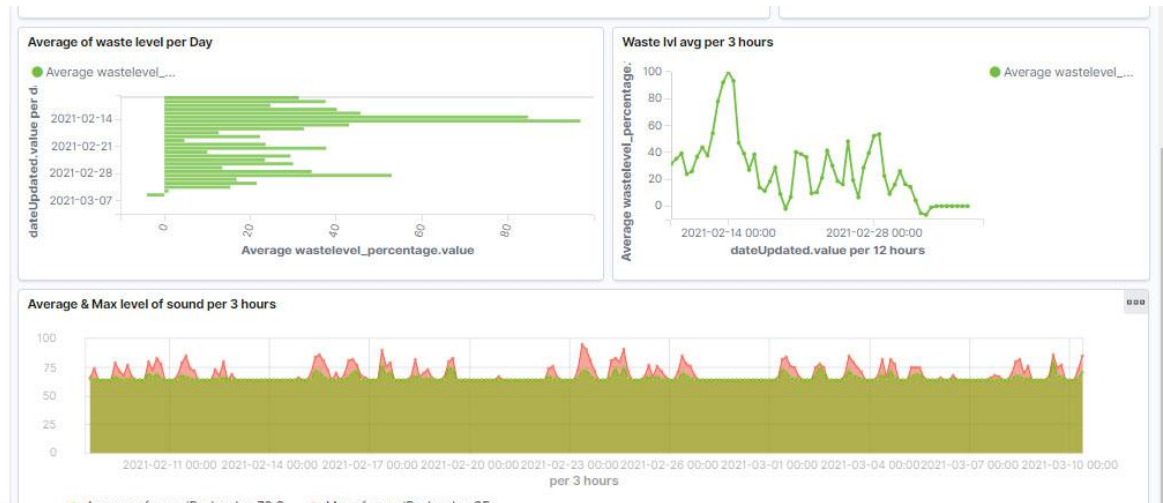
Send to your phone

Share

Photos



### 3.3 Bin demo/Hartecast

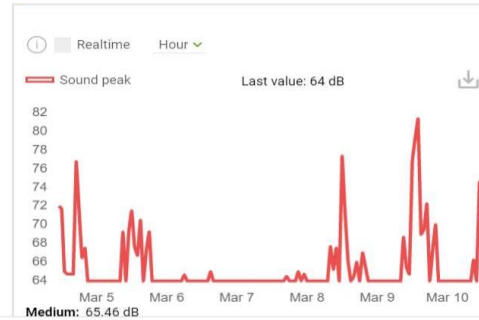




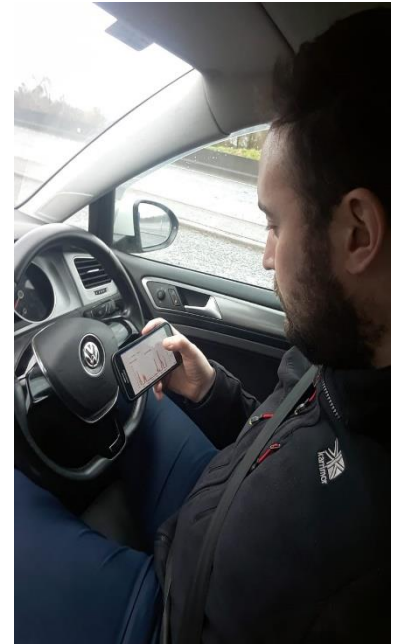
## 3.4 EMD BMS



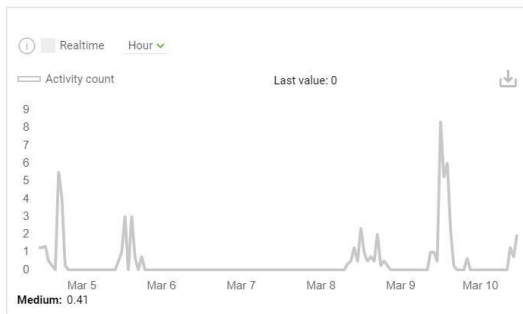
Sound peak



Humidity



Activity count



Temperature



### 3.5 Community Cabin / Safecility





# 4. Launch Smart technology enhances delivery of services in Edenderry

Wednesday, 10 Mar 2021



Above: Paul Delaney, Sales Director of Cellnex Ireland and Catriona Hilliard, Broadband/ Digital Officer with Offaly County Council at the launch of **e-denderry**.

Below: with Martin Crow, General Operative and Mark Mahon, Area Engineer.



- **RTE:** [Smart technology enhances delivery of services in Edenderry](#)
- **Irish Times:** [Sensors to monitor parking, air quality installed in Edenderry in first for Ireland](#)

## **Broadcast**

**RTE Rising Time** - general mention and welcome to the project.

- **Newstalk** - Paul Delaney, Cellnex - overview of project. [Interview with NewsTalk](#)
- **Midlands 103** [Edenderry 'Smartened Up' With New Digital Parking, Litter And Air Monitors](#) - Paul Delaney, Cellnex & Catriona Hilliard, Offaly County Council [Interview with Midlands 103](#)
- **KFM** - Catriona Hilliard, Offaly County Council - [service outline of case studies interview with KFM](#)

## **Subsequently**

- Silicon Republic
- Offaly Independent, other local media
- Cellnex LinkedIn
- Council Review
- Ongoing -

## 5. Eamon Ryan, T.D., Minister at Department of Energy, Climate and Communications





## 6. So... since March?

- Ascertaining outputs
- Fine tuning the tech
- Meeting interested parties
- Peer review
- Developing web pages
- Planning the rest of 2021
- Council term change June
- Community / business input
- USPs – **e-denderry**

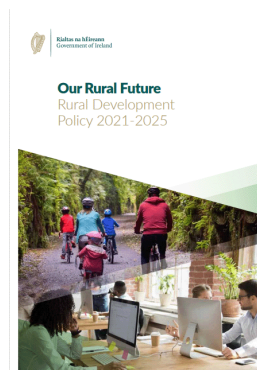


**Next2Met**  
Interreg Europe



<https://www.offaly.ie/!3SF2IE>

National Telecommunications Action Group (DRCD)	
SmartDocklands	
St Mary's School re Globe / An Taisce	
Environment I/c Prep Meeting	Active Travel ?
DC	Housing ?
N2M EU Policy Event #4	Skillnet
Irish Wheelchair Association	Enterprise Ireland
OPW and LAWPRO	etc
CCMA CATN	
EUBCO event	
Public Service Innovation Team national level	



**Digital**  
Comhairle Chontae Uíbh Fhailí  
Offaly County Council

**cellnex**  
driving telecom connectivity

/ends  
C Hilliard, Offaly  
P Delaney, Cellnex