



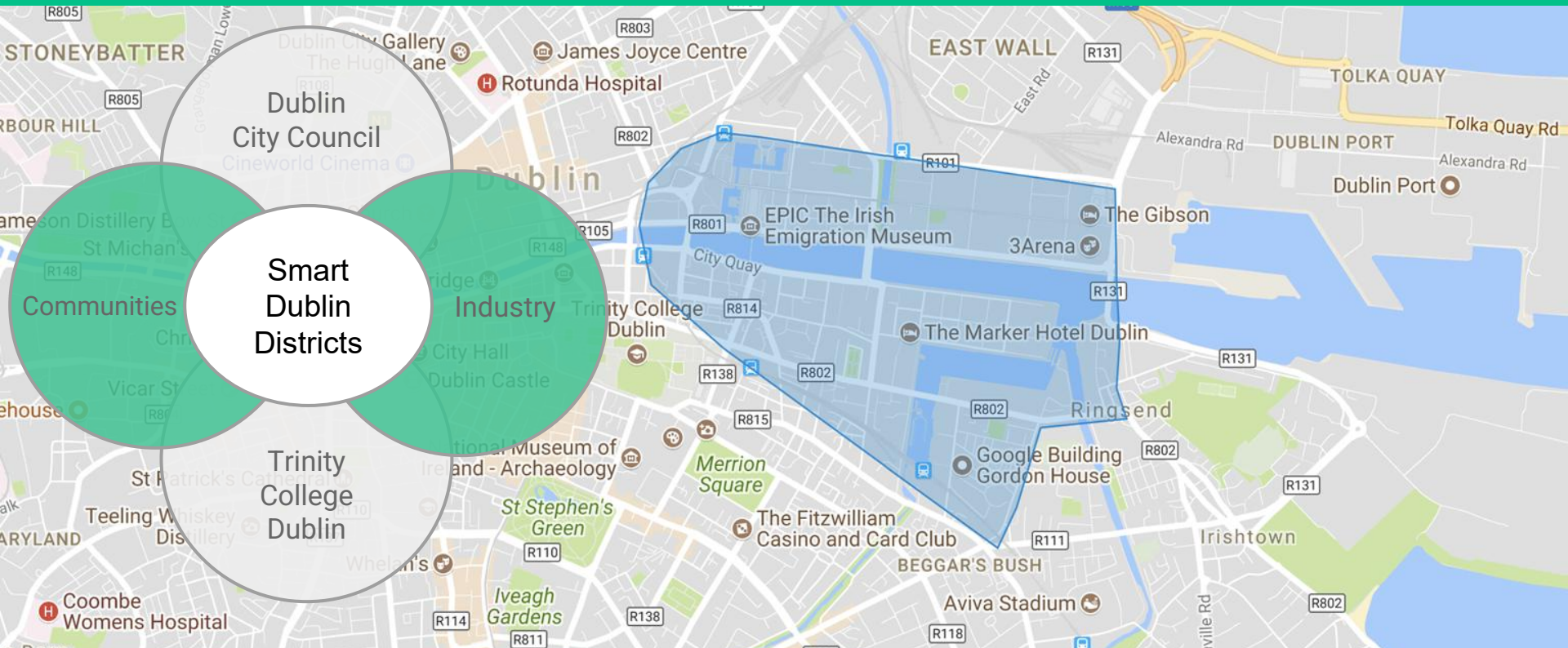
SMART DOCKLANDS

A Smart Dublin District



Comhairle Cathrach
Bhaile Átha Cliath
Dublin City Council

CONNECT
Centre for Future Networks

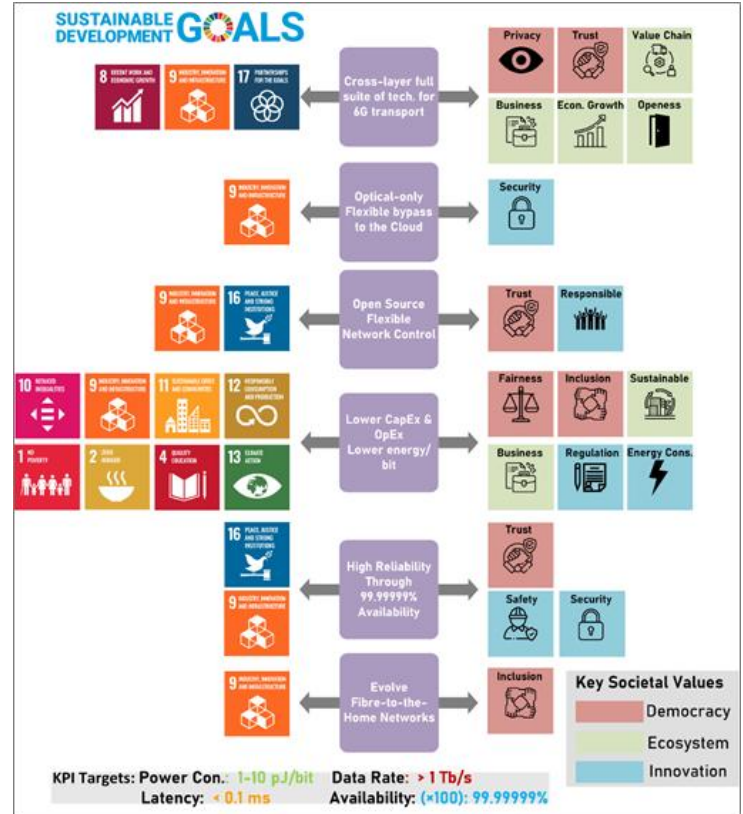


- Fixed and mobile network performance has real and direct impact on society and sustainability
- CONNECT and DCC have come together to address telecommunication challenges for a connected society
- Smart Docklands - Telecoms Research and Innovation

• Council of the EU | Press release | 29 April 2024 12:45

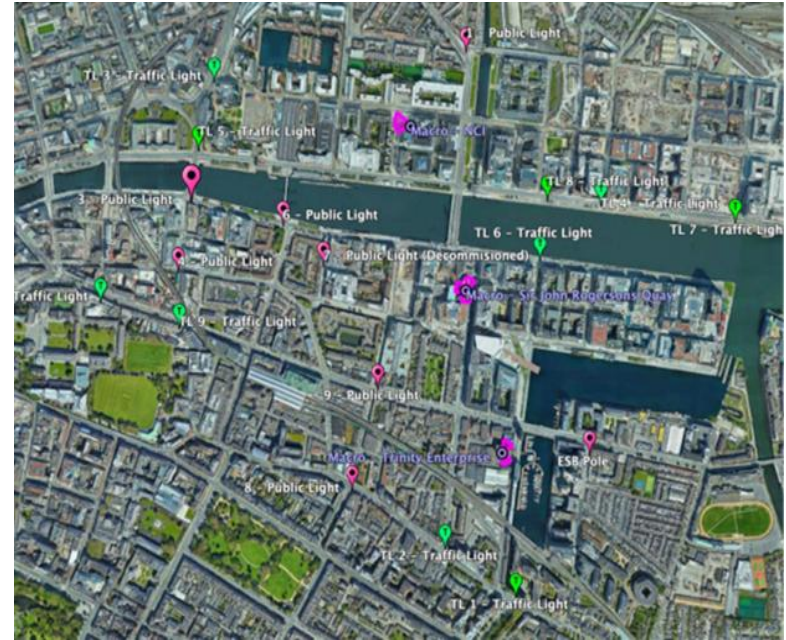
Gigabit infrastructure act: Council gives final green light to faster deployment of high-speed networks in the EU

To ensure faster deployment of digital network infrastructure across Europe, today the Council adopted the **gigabit infrastructure act**, which will replace the 2014 broadband cost reduction directive (BCRD). The new law aims to simplify and accelerate the roll-out of **high-speed networks**, such as fibre and 5G, with a view to achieving Europe's connectivity objectives and targets set out in the digital compass for this decade.



Neutral Host Test-bed

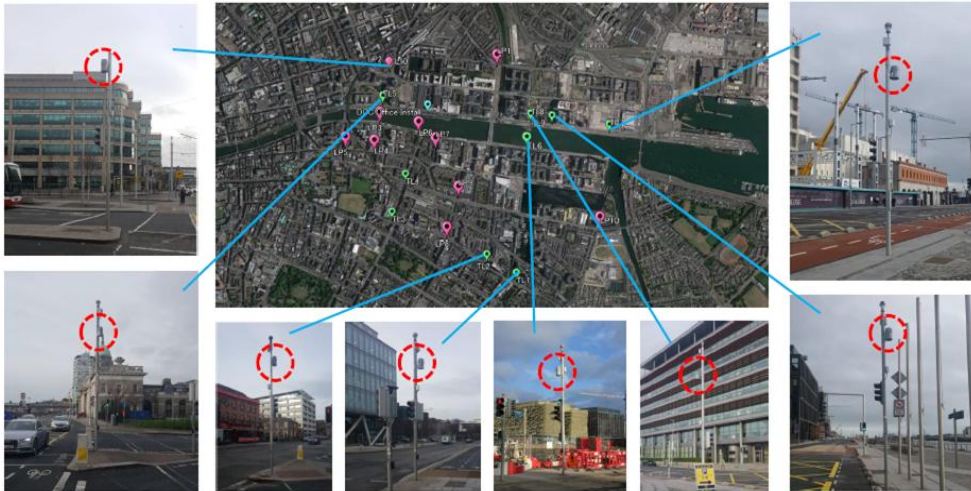
- Neutral host, small cell
- Former Dense-Air deployment for DCC
- 18 sites, mostly 4G LTE
- Key: Networking equipment remain in place on Dublin City Council assets
- Now in CONNECT/Smart Docklands ownership
- Upgrade and re-activate
- Private 5G -> 6G test-bed
 - Mobile network research
 - Citizen engagement
 - Urban use cases



What do we want to do?

Vision: Create a national open test-bed for 5G advanced and 6G technologies with a specific focus on urban and citizen impact

DUET: Dublin Urban Evaluation Test-bed



Technical

- Test network in operational environment
- Trial for city private/small cell mobile network deployments
- Open and shared network technologies
- AI enabling networks
- Open and Virtualized RAN
- AI RAN
- Advanced front/mid/back-haul technologies
- THz, Mm-wave, FR3
- Wireless and optical sensing