Welcome to Digital Greenwich and the UK Smart Mobility Living Lab
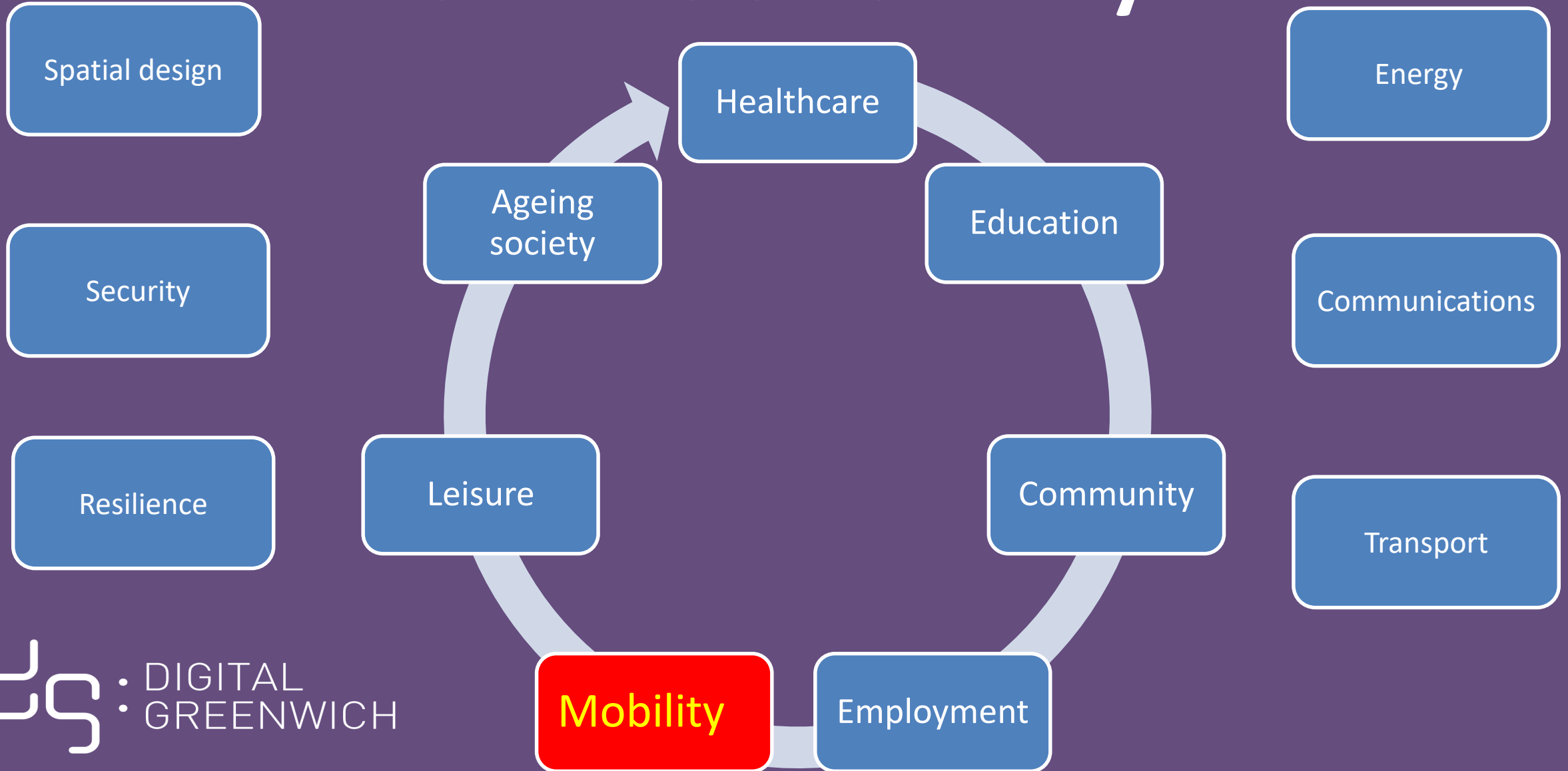
Paul Copping
Chief Innovation Officer
Digital Greenwich

Royal Borough of Greenwich

Smart City test bed, 270k population

TRL Smart Mobility Living Lab host

30 company SME accelerator in house

H2020 Sharing Cities demo centre

5G Innovation Centre urban partner

ETSI Smart City Profile ISG founder

Collaborative procurement framework

Life in the Smart City

Spatial design

Energy

Healthcare

Ageing society

Education

Security

Communications

Resilience

Leisure

Community

Transport

Mobility

Employment

Dashboard
TfL traffic disruption reports and jam cams

DIGITAL GREENWICH
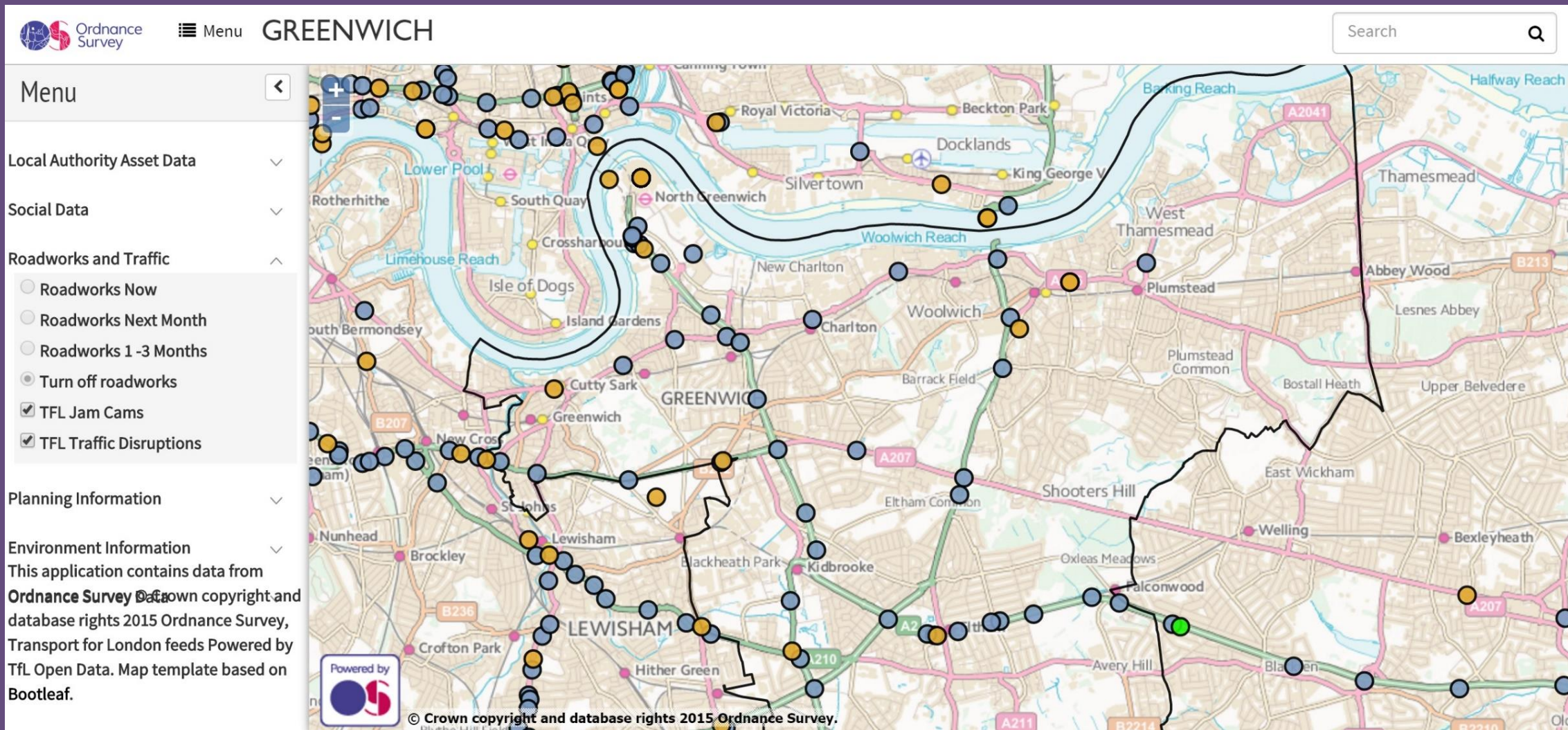
Sharing Cities Horizon 2020 Lighthouse

London
Milan
Lisbon

People
- Sharing Services Layer (Apps)
- Customer Engagement Tools & Approach
- Digital Bond Scheme

Place
- Building Retrofit
- eV Car Share
- eBikes
- Smart Lamppost
- eV Charge
- Smart Parking
- eLogistics

Platform
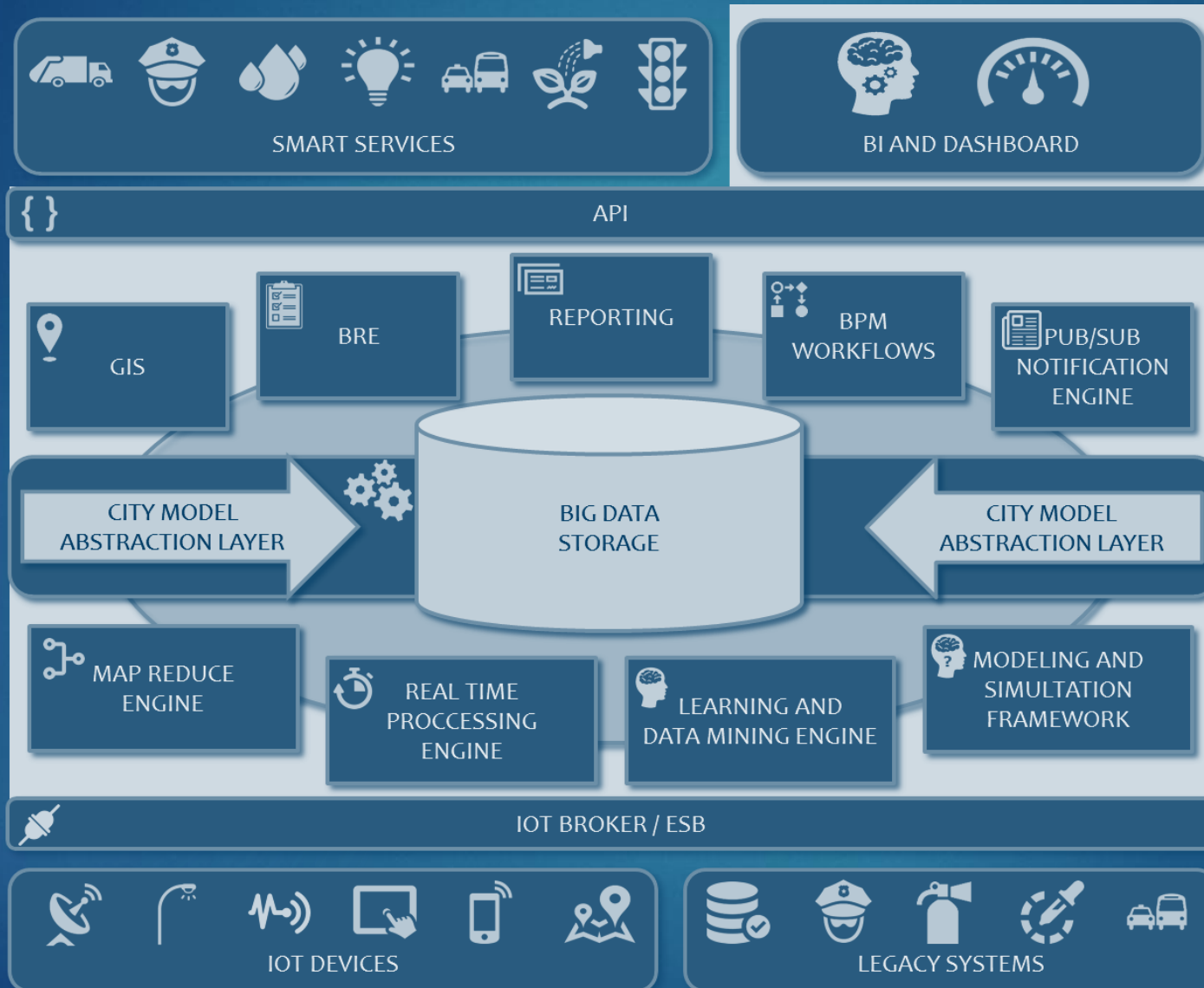- Urban Sharing Platform
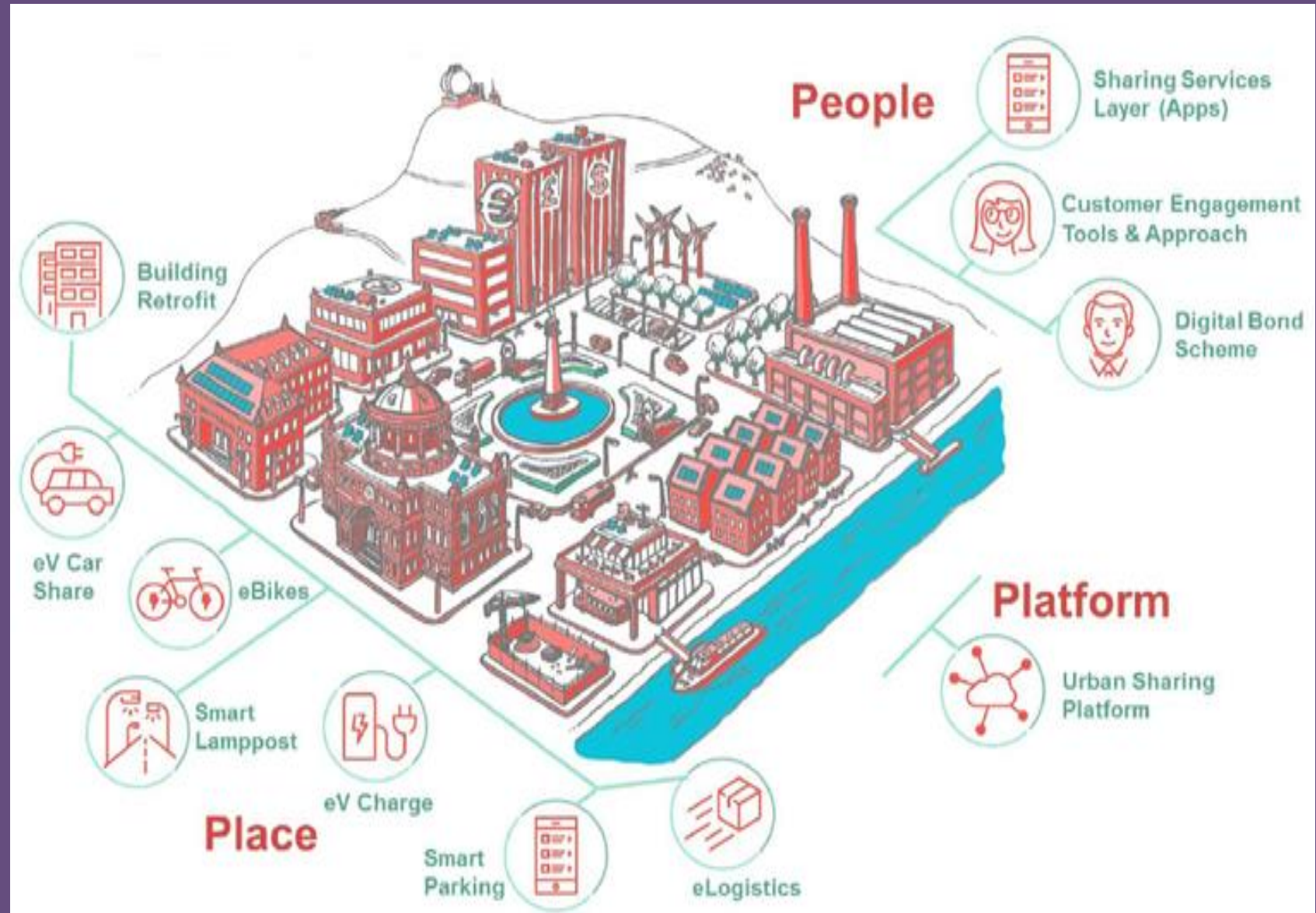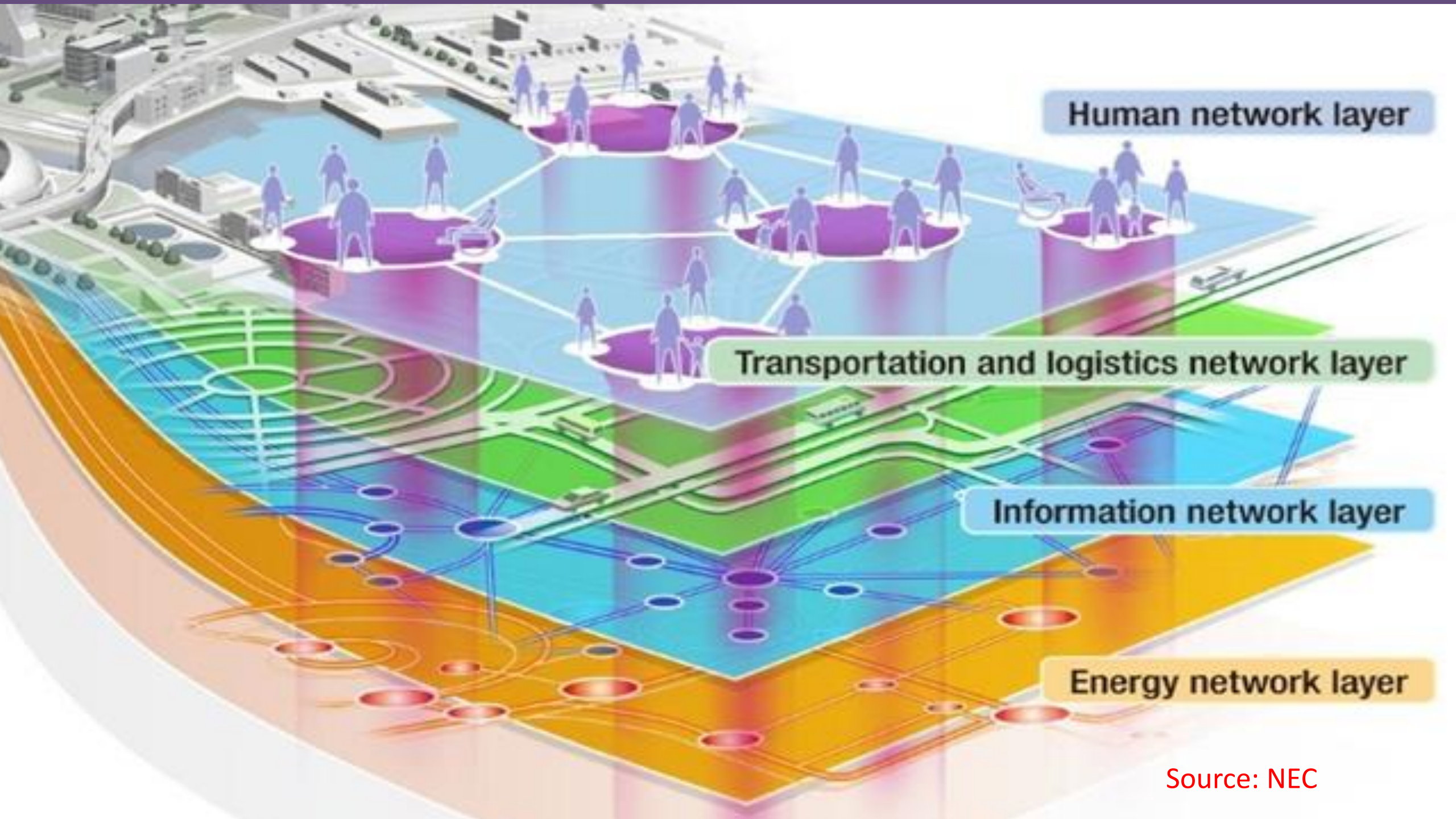
Human network layer

Transportation and logistics network layer

Information network layer

Energy network layer

Source: NEC
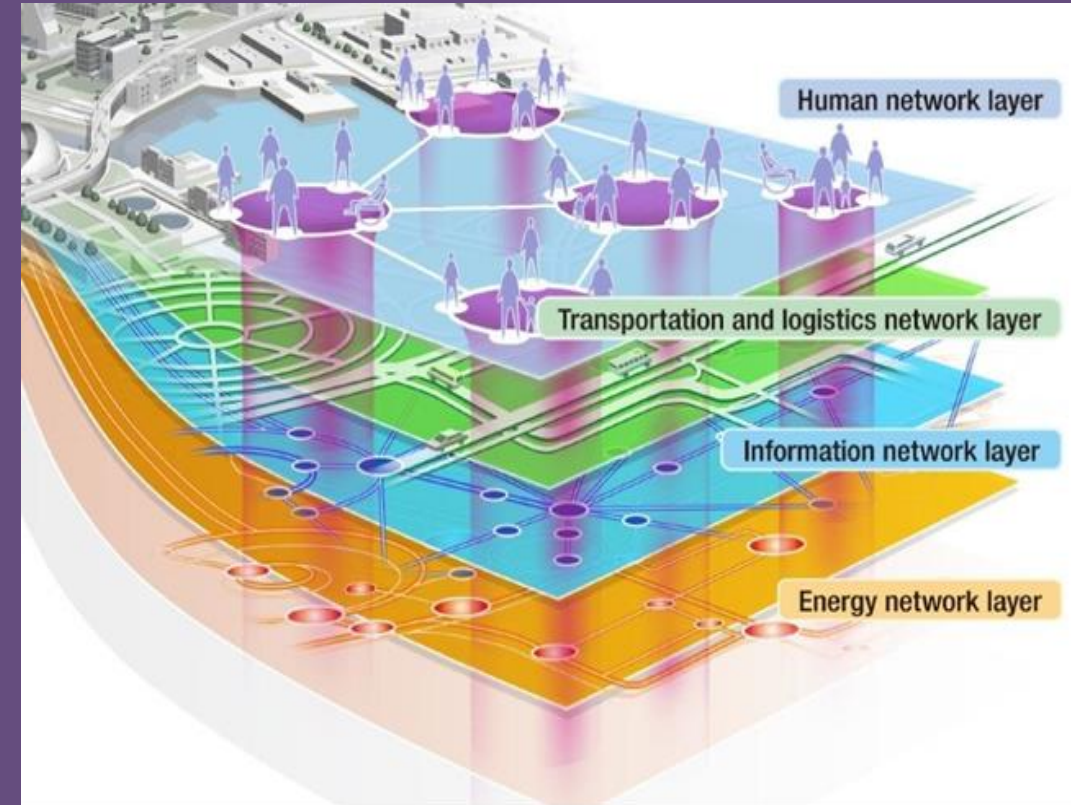
Anatomy of a Smart City Platform

Mobile impact across multiple industries

INSTITUTE FOR COMMUNICATION SYSTEMS
5G INNOVATION CENTRE

UNIVERSITY OF SURREY

Mobile	Fixed / Mobile	Transport & Logistics	Financial Services	Health & Social Care	Retail / Logistics	Digital Creativity & Information Services	Production, Manu-facturing & Robotics	Public & Private Portal

M2M THINGS

£ $ € ¥

DATA

5G Smart Living

Rural, sub-urban, urban

Government – national and regional

5G RADIO | **5G** CORE

1. Enhanced mobile broadband
2. Network availability, capacity & coverage
3. Massive machine type communications
4. Ultra-reliable and low latency communications

5G FABRIC

Cyber - Security by design

Standards

Developing a repeatable secure technology stack

- Initial use cases in Greenwich
  - Citizen engagement
  - Mobility – connected and autonomous
  - Adult social services – care market
  - Social housing – asset management

- Sharing through the City Protocol Society
  - Barcelona, Cataluňa, Amsterdam, Dublin, Dubai, Amsterdam, etc.

- Developing ETSI smart city profile
  - New Industry Specification Group
  - Launching 16 May 2017 in Greenwich
  - Supported by CPS & Tech UK
  - Join us now

Source: NEC

ds: DIGITAL GREENWICH