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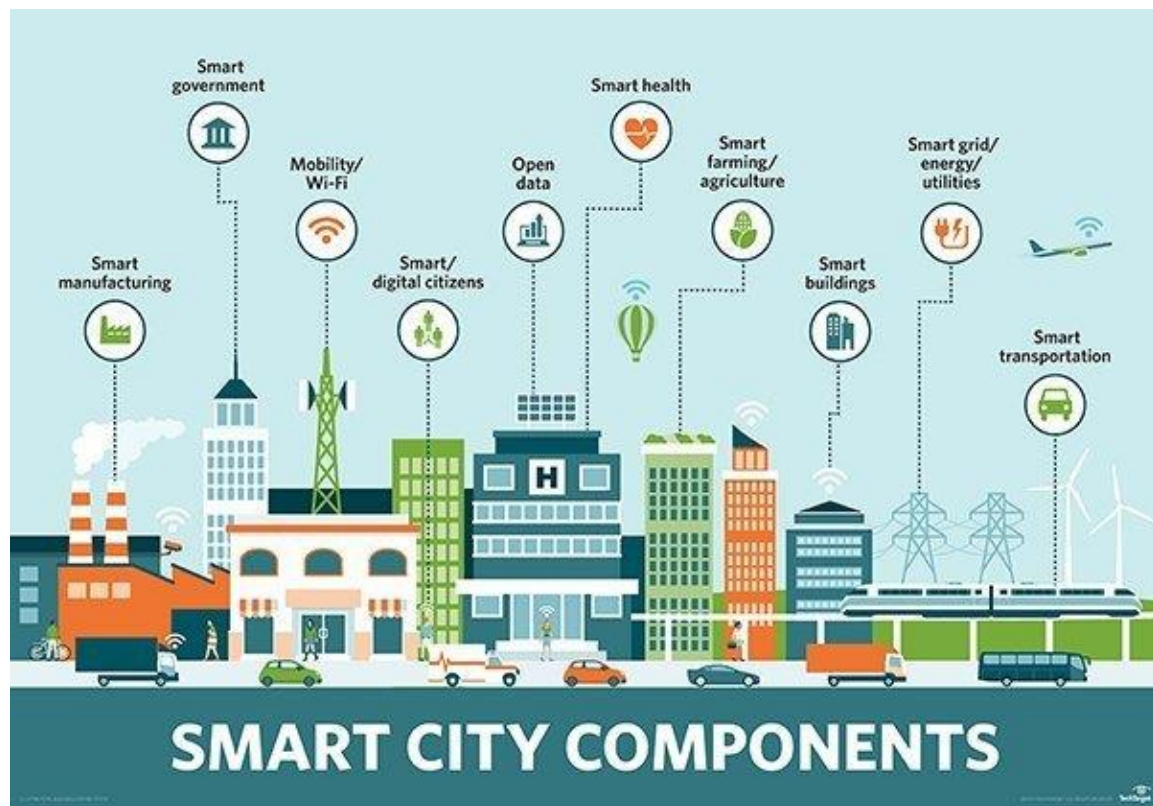
www.oxfordsmartcity.uk
[@OxfordSmartCity](https://twitter.com/OxfordSmartCity)

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(Innovation Support for Business) Programme*



What is a Smart City?

- ‘Smart’ means an environment and infrastructure that uses digital technologies in the generation & sharing of city information and to facilitate the development of innovative city-related solutions more effectively, cheaply, sustainably, fairly and inclusively
- A smart city uses ICT to enhance its liveability, workability and sustainability





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Smart Oxford - The Learning

Caring Thriving City

- **Small City / Big Impact** – 160K population with full range of large city issues (social deprivation, pollution, traffic, flooding)
- A place where **innovative ideas, active citizens and stakeholders** come together and collaborate openly and inclusively
- An **integrated ecosystem** where public sector organisations work with innovators to develop and deliver novel solutions to city challenges



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Smart Oxford Delivering the Oxford 2050 Vision

<https://oxford2050.com/>

- Employment & Learning – Education/employability initiatives
- People & Communities – Healthy New Towns Barton Park, Bicester, social / health care integration initiative, home monitoring systems, reduction in deprivation/inequality
- Built & Natural Environment – Heritage, air pollution/flooding sensors, energy reduction/low carbon, Zero Emission Zone
- Transport & Connectivity – Mobox, DRIVEN, MaaS (Mobility-as-a-Service) apps, V2GO (vehicle to grid)/EV charging, BBfO (Better Broadband for Oxfordshire)
- Culture & Leisure – Retail/tourist info, footfall tracking, smart phone apps, AR games, cultural link-ups





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Smart Oxford – Living Lab potentials

- People & Communities
 - Healthy New Towns (HNTs): Barton Park, Bicester (using Ami tool from OCC)
 - Blackbird Leys & Rose Hill Community Centres
 - Didcot Garden Town and urban extensions
- Transport & Connectivity
 - Botley Road Corridor, Oxpens (Beckett Street extension), Osney Mead Innovation Quarter, Smart Jericho, Smart Culham



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Core Infrastructure Requirement: Ubiquitous Device Connectivity Network

- Interconnect for all sensor/control devices
 - Traffic/Lighting control systems
 - Transport/People mobility tracking
 - Air pollution/Flooding sensors
- Technologies
 - LoRaWAN, 5G, whitespaces etc
 - Interlinked (or not) with city Wifi network
- Using Gigabit Voucher Scheme to get Gigabit Broadband deployed to businesses across Oxford



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Core Infrastructure Requirement: Open Data Platform / Open Access to Data

The platform can store data sets that businesses, academics and the public can use to develop solutions



The platform can help us visualise and overlay datasets

We can show data points on a map to help explain issues to the public (eg TPOs/ Parking fines)



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Smart Oxford Priorities

- Get Tech Infrastructure Deployed
 - Ubiquitous device connectivity network
 - Open access to local authority (City/County) data
- Deliver/Support LIS (Local Industrial Strategy) Living Labs
 - Underpinned by academic / technology innovation expertise
- Help Commercialise Tech for smart cities
 - Smart Oxford co-working space for smart city start-ups / SMEs
 - Focus on Tech for Good (well-being of citizens/communities etc)
- Deliver Oxford 2050 Vision
- Support Oxfordshire 2030 Zero Carbon objective



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Smart Oxford Short Term Plans / Asks

- Workshop series to build and deploy smart city solutions
 - SP#1 x3 - Engaging SMEs
 - SP#2 x3 - Engaging Communities to work with SMEs
 - SP#3 x1 - Collaboration with Universities and Technical colleges
 - SP#4 x1 - Collaboration with Catapults and research institutions
 - SP#5 x1 - Understanding smart city markets
- Co-working Space 216 sqm, available by end 2019
 - For Smart city related start-ups/SMEs.
- Asks
 - Support Smart Oxford priorities
 - Collaborate on Living Lab projects