Smarter Suffolk

ADEPT LIVELABS

An overview of BSI's support

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bsi.

Innovation is in our DNA from the first standard developed by BSI to align London's tram track gauges in 1901...

Accelerate change

Share knowledge

Build consensus

"*Coronavirus has fundamentally altered our lives and the role that tech plays within it*... *it's turbocharged the digital transformation of almost every part of our days – of our workplaces, our businesses, the way we shop and stay in touch with family, and the way we use public services.*" Oliver Dowden, secretary of state for Digital, Culture, Media and Sport, 23 June 2020
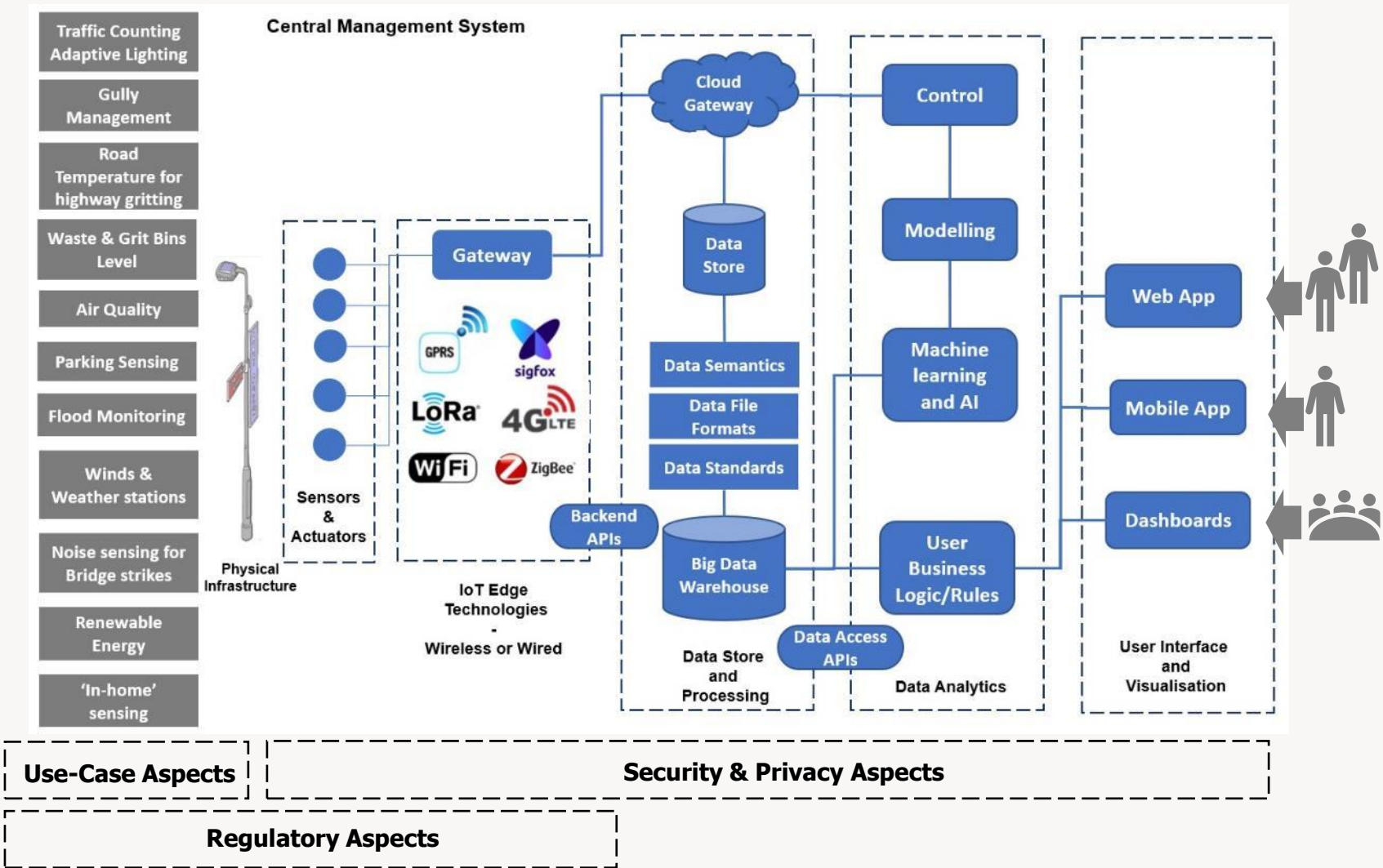
Smarter Suffolk

- £4.41M R&D project (within £23M ADEPT live labs programme & £6.6B roads maintenance)
- Showcase of competing innovative technologies for LAs
- Evaluating adaptive lighting, 13 types of sensors & 5G infrastructure deployment
- BSI support:
  - Standards centric consultancy
  - Research best practices & standards for sensors & related data services
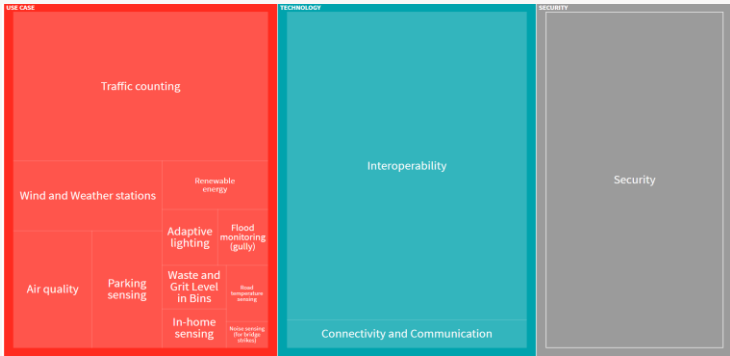 - Standards gap analysis
  - Standardisation roadmap
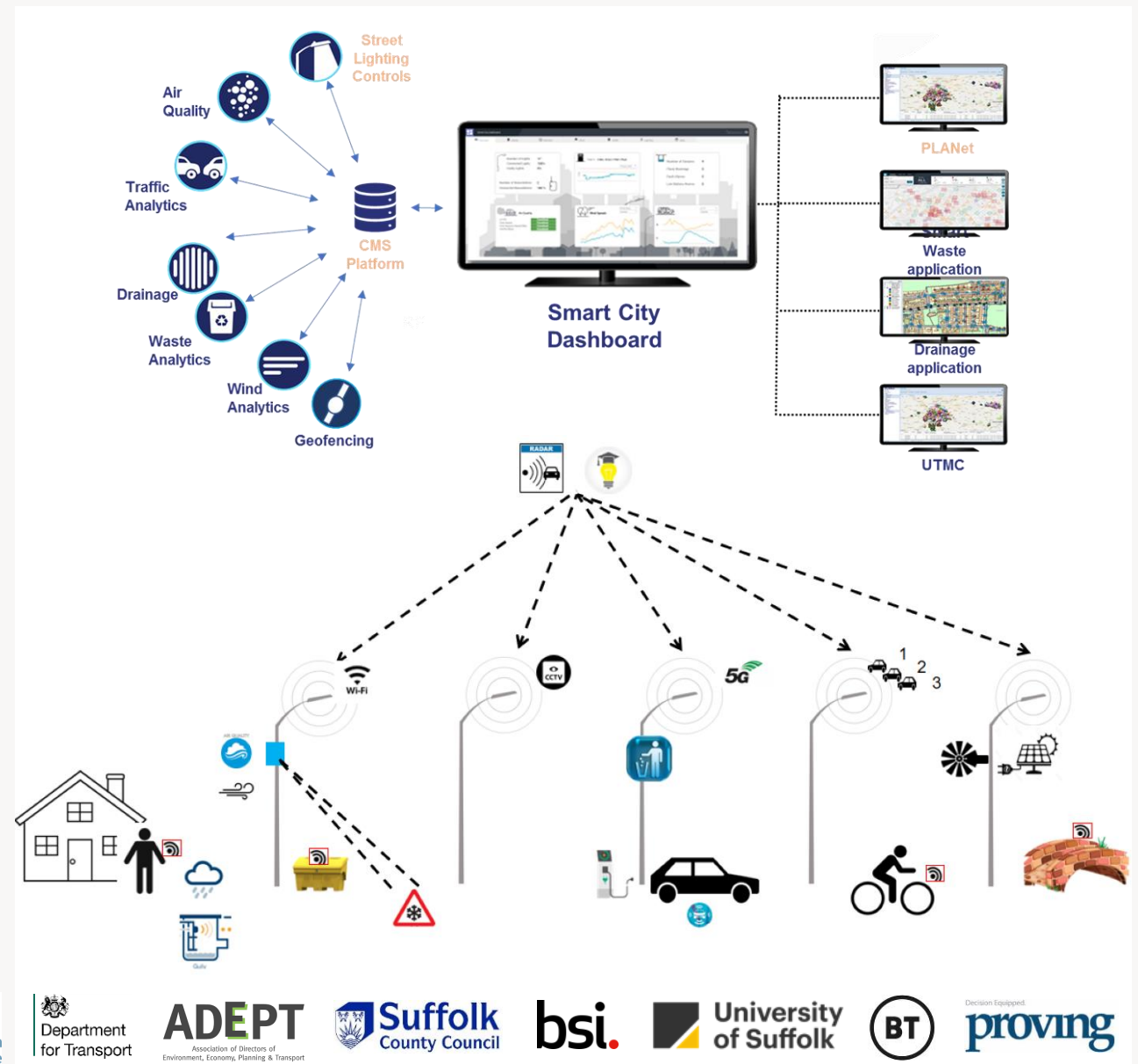
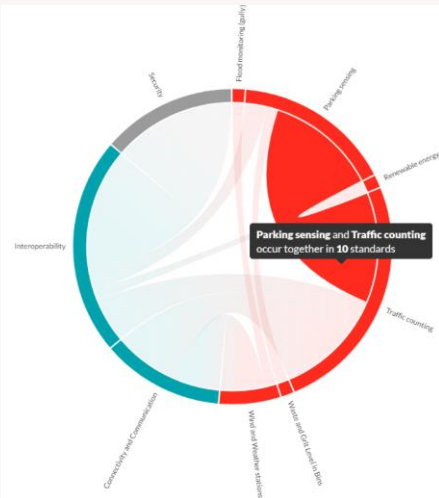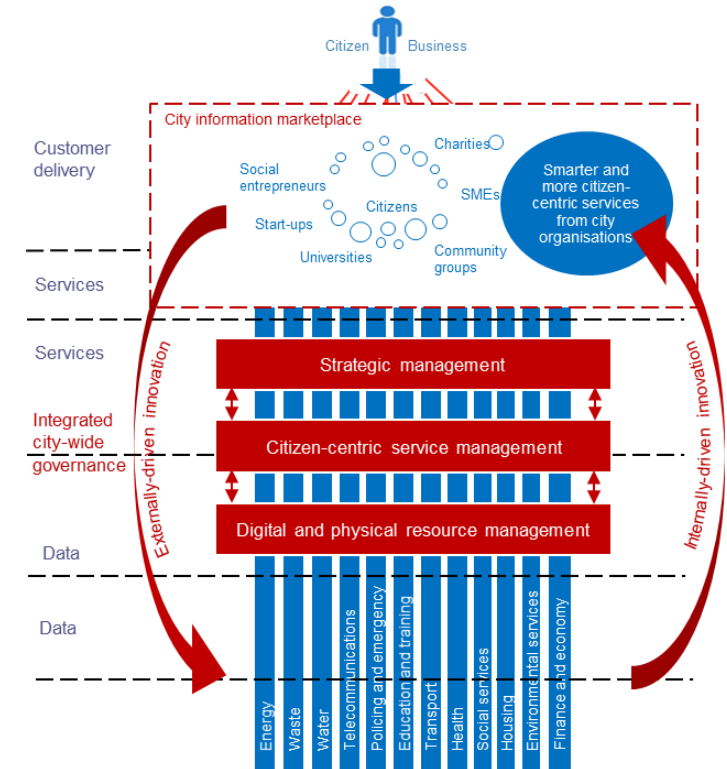# Smarter Suffolk - Simplified IoT architecture

Standards landscape

Draft interactive landscape review available here https://bit.ly/BSI-SSL

For standards mapping research purposes (not to be considered as a technical design due to the many assumptions made)

PAS 181 / ISO 37106 Sustainable cities and communities
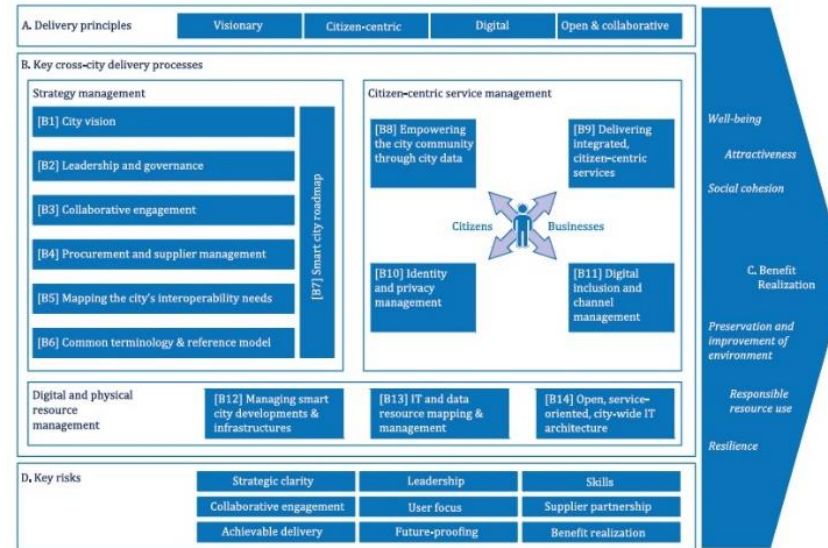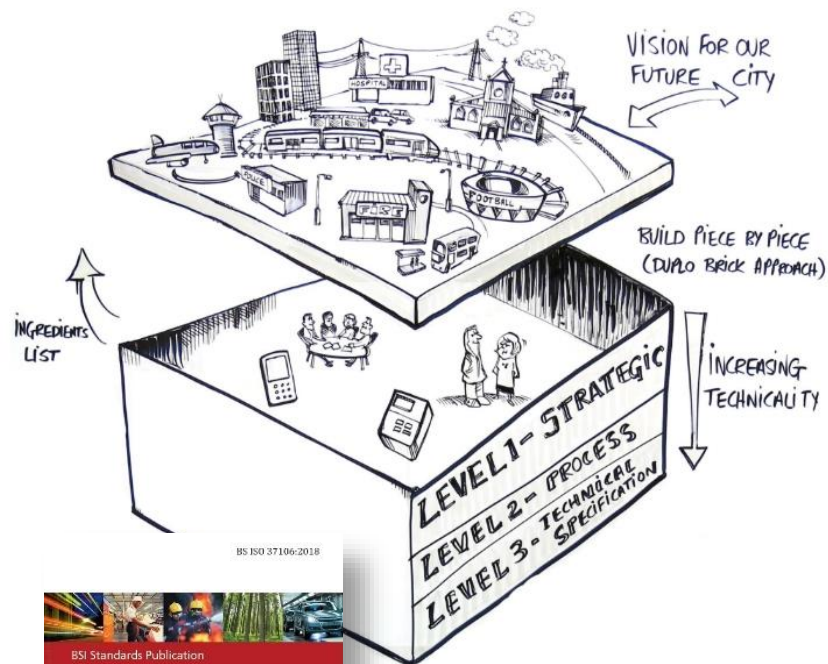
- BSI has been creating a trusted framework to shape, share, embed and support innovation, and the safe and reliable adoption of smart cities and communities.
- BSI is participating actively in ISO committees to develop best practice guidance, frameworks and standards to develop holistic citizen-centric services for governance, strategies and action plans going forward.

Portfolio approach to smart city standards

Tools for supporting the development of smart city strategies

bit.ly/BSI-Cities

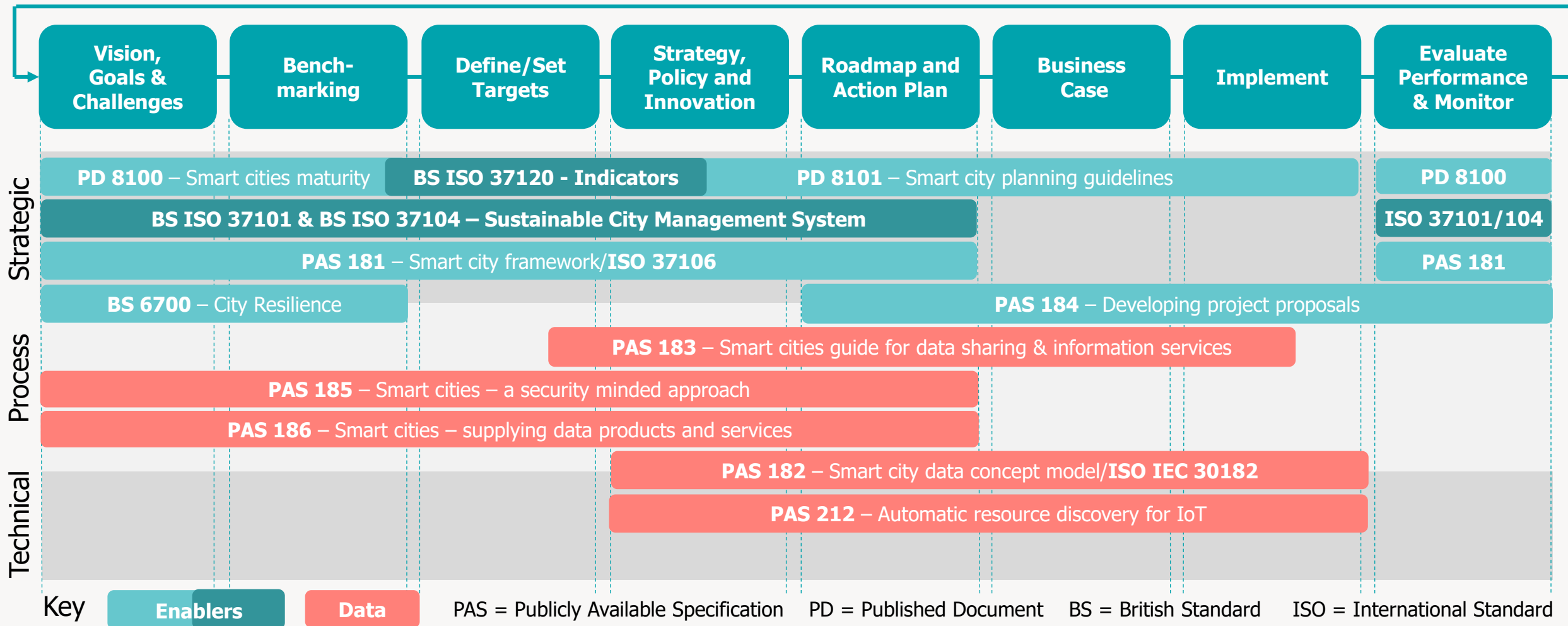| Vision, Goals & Challenges	Bench-marking	Define/Set Targets	Strategy, Policy and Innovation	Roadmap and Action Plan	Business Case	Implement	Evaluate Performance & Monitor

Strategic

- PD 8100 – Smart cities maturity
- BS ISO 37120 - Indicators
- PD 8101 – Smart city planning guidelines
- PD 8100
- BS ISO 37101 & BS ISO 37104 – Sustainable City Management System
- ISO 37101/104
- PAS 181 – Smart city framework/ISO 37106
- PAS 181
- BS 6700 – City Resilience
- PAS 184 – Developing project proposals

Process

- PAS 183 – Smart cities guide for data sharing & information services
- PAS 185 – Smart cities – a security minded approach
- PAS 186 – Smart cities – supplying data products and services

Technical

- PAS 182 – Smart city data concept model/ISO IEC 30182
- PAS 212 – Automatic resource discovery for IoT

Key | Enablers | Data | PAS = Publicly Available Specification   PD = Published Document   BS = British Standard   ISO = International Standard

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Thank you

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