

# CASE STUDY

## LAMP

### *Equipping local authorities with a toolkit for technology procurement*

#### WHO WE ARE

The Connected Places Catapult (CPC) is an independent, trusted, expert broker operating at the intersection between the public and private sectors and between local, regional and national decision making. We promote UK innovation and broker relationships between government, academia and industry providing support and solutions for innovators to commercialise their projects and research. With our deep expertise in technology, we bridge the gap between buyers, suppliers, innovators and industry. Our agile approach enables us to convene our partners to act rapidly to create new market collaborations responding to public funders and industry needs. We boost demand for innovation to unlock wider economic and environmental benefits.



#### Challenge

An ambition of the Department of Transport (DfT) is to make Britain the best place in the world to do transport digitally. LAMP will help local authorities to deliver that goal by supporting them in procuring and implementing service, unblocking innovation and traffic management has largely been about controlling vehicles, but in the future:

- ◆ As travel options increase and connected vehicles proliferate it will be more about influencing behaviour.
- ◆ Services will increasingly be delivered through interfaces to mobile phone and satnav service providers.
- ◆ Data management will be at the heart of the services.

Local authorities are well placed to use innovative solutions and services to deliver their statutory duty to manage their network, tackle congestion and traffic growth, but this depends on evolving the way local authorities procure and manage traffic management systems and embrace digitalisation. However, technology procurement is a challenge for local authorities, for example:

- ◆ Different stages of capability and knowledge, with 343 local authorities in England at different stages on the digital journey.
- ◆ Identifying and reaching procurement decision-makers and influencers is a challenge.
- ◆ Roles and responsibilities vary across county councils, district councils, unitary authorities, metropolitan districts, and London boroughs.

DfT commissioned an independent review of local authority transport data use. **Local transport data discovery: findings and recommendations** published in August 2018 concludes that better access and use of data in transport is critical to increase resilience to congestion, disruption, security challenges and unpredictable weather. A local authority framework is required that equips public bodies with the skills to procure innovative services to support sustainable, integrated, and seamless intelligent mobility.

#### Solution

DfT commissioned the CPC to engage with local authorities in the Local Authority Mobility Platform (LAMP) feasibility study. Phase 1 carried out between April 2018 to March 2019. The aim was to drive consensus from government, local authorities and industry for the vision and roadmap towards the next generation local authority mobility platform with data sharing as a core principle.

CPC managed engagement workshops attended by 53 stakeholders, with local authorities including City of York Council, Oxfordshire County Council and Bedford Borough Council and industry players including Siemens Mobility, Mott MacDonald and dynniq. It was recognised that technology procurement is a challenge for local authorities. There was agreement on the need for a framework, technical standards and guidance on implementation.



LAMP2 project commenced in May 2019 to provide a set of guiding principles and an approach to enable local authorities to procure and use new technology driven services in managing their local transport services.

CPC re-engaged with local authorities through two workshops over the summer of 2019 to develop a more detailed understanding of where the real challenges lay in the procurement process. Additional stakeholders Coventry City Council, Birmingham City Council, Transport for Greater Manchester and DSI Bulk Transport were represented.

### Outcomes

LAMP supports a common approach for UK local authorities to deliver services, generate intelligence and share complex datasets across authority boundaries with regional and national services. It provides the right tools to conceive and procure what is required to meet specific local circumstances. LAMP does not replace existing system-level standards but provides a strategic context within which they can be effectively employed.

The approach supports each stage of the procurement life cycle to: Define high level needs, carry out market testing, generate strategy and plan, agree specification, identify procurement route, frame RFI and tender, carry out tender evaluation, award contract, implement and operate contract and decommission legacy infrastructure. The LAMP Framework provides:

- ◆ **A Mobility Solutions Toolkit:** Contains 10 Use Cases with guidance, information and links to standards. It provides the structure to develop case studies, lessons learnt and links to potential suppliers including SMEs. Use Cases are categorised by service type and products procured by local authorities to deliver specific policy objectives.
- ◆ **Use Cases:** Parking Information Management, On Demand Transport Management, Air Quality Management Information, Traffic Management, Road User Information, Transport Data Management, EV Charging Information, Transport Payment, Freight Management, Mobility as a Service.
- ◆ **Use Case content:** Objectives and outcomes, policies, business case guidance, technical guidelines on the actors, architecture, data flows, interfaces, standards, and future development.
- ◆ **Integrated Service Procurement Guidelines:** A checklist supporting alignment of services procured by a local authority with its tactical and strategic objectives and the vision and principles in the *DfT's Future of Mobility*. [\[Link\]](#)

- ◆ Procurement process considerations include: Data standards, formats and quality; data ownership and governance; data opening and sharing policy and data access cost and cybersecurity.

LAMP principles are designed to address the internal and external procurement challenges around data enabled services whilst aligning with wider transport policies and existing guidelines. The principles recognise that traffic management services will be delivered through interlinked systems, a system of systems approach is necessary.

CPC presented *LAMP-The story so far* at the Transport Technology Forum whose mission to *'To bring together the prospective purchasers and operators of transport technology'* on 27th February 2020. CPC presented a technical paper *Local Authority Mobility Platform (LAMP) Framework* at the ITS World Congress Singapore on 22nd October 2019.

### CPC creates value

- ◆ Supporting market creation by helping local authorities develop procurement expertise in buying solutions and creating additional market for those solutions.
- ◆ Potentially opening the market to build space for innovative and affordable SME service providers to support local authority clients.

### Benefits

- ◆ The LAMP Framework provides a comprehensive toolkit to support targeted procurement of digital capabilities by local authorities.
- ◆ Enable faster take up of innovative transport services, delivering the benefits of digitisation and digitalisation.
- ◆ Support local authorities in delivering more flexible and responsive traffic management to promote economic growth.

### Next steps

Working with DfT, the CPC ambition is to continue to build the LAMP Framework to validate the toolkit and embed its use into the transformation programme that local authorities are engaged in as they move towards the future of transport.

To find out more about the Connected Places Catapult and how we can help you develop the future skills that address the needs of your organisation please contact [info@cp.catapult.org.uk](mailto:info@cp.catapult.org.uk)

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