

Please note that the image on the title slide has been changed from the version used in the presentation at the meeting, at the request of the owner of the original image.



# Smart Cambridge

## Update and forward programme

23 Nov 2022





# Smart Cambridge – high level view



# Fibre Ducting in Infrastructure Schemes

Deploying fibre ducting at the same time as delivering infrastructure schemes brings many other benefits as well as better digital connectivity

## BENEFITS

**Saving time & money** by integrating ducting at the same time as infrastructure schemes are built

**Achieving carbon savings** by reducing the need for repeat work and retrofitting

**Minimising disruption** to roads, pavements or cycleways, and reducing congestion

**Solving civils challenges** such as crossing rail lines and road junctions and encouraging telecoms providers to extend fibre networks further

**CARBON SAVINGS**  
**>20 tonnes CO<sup>2</sup>**  
emissions for materials use over 2 years, equivalent to the carbon emissions of driving nearly half a million miles in an average car\*

**FIBRE DUCTING**  
IN  
INFRASTRUCTURE

Approximately  
**21.6km**  
OF FIBRE DUCTING  
installed/planned in roads  
and cycleways by 2025

## OUTCOMES

**Ensuring future facing connectivity** is available to support next generation technology

**Facilitating sustainable economic growth** and increased productivity - including remote working, digital skills and opportunities for businesses

**Contributing to community wealth building** and health & wellbeing with better access to public services, education, training and digital inclusion

**Supporting climate change mitigation/adaptation** and moving towards Net Zero

# CAMBRIDGE AUTONOMOUS SHUTTLE TRIAL

## PASSENGER TRIALS

**3**  
SHUTTLES

**2** SAFETY  
OPERATORS  
ON BOARD

**304**  
passengers  
carried

**5** CCTV  
CAMERAS  
inside and out

**106**  
JOURNEYS

**3** hazard perception cameras

**5** LiDAR  
sensors

Distance travelled  
**1,014**  
KILOMETRES

**31.8TB**  
of journey  
data processed

**34 million**  
data points in the  
PointCloud model

**97**  
local, national  
and international  
media stories



**9** TV AND RADIO BROADCASTS

## SOCIAL MEDIA



Twitter  
11,917 impressions,  
674 engagements,  
633 video views



LinkedIn  
3,043 impressions,  
1,721 video views



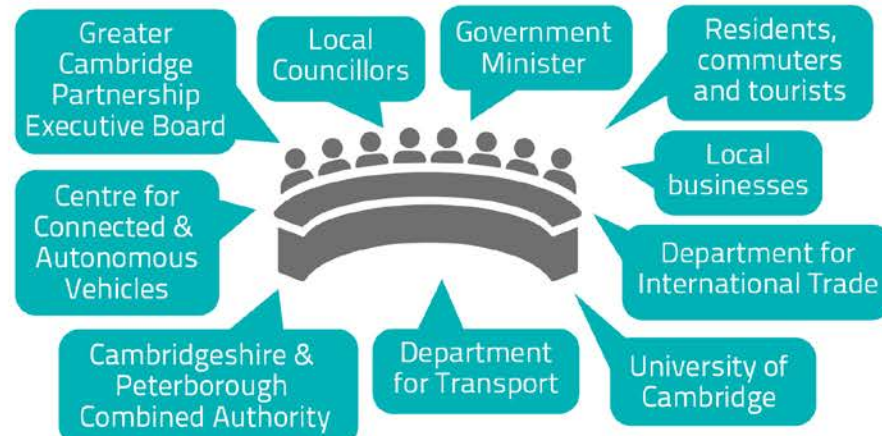
YouTube  
12,669  
video views

**115**  
surveys  
completed



**97.4%**  
of people who  
completed the survey  
said they would ride  
an autonomous  
shuttle again

## Engagement with organisations and authorities:





# Key features of the Smart Cambridge programme to Mar 2024

## Ongoing activities *including*

- Engagement
- Data challenges
- Supporting sustainable new communities

## Concluding activities *including*

- Initial trials – smart signals and junctions
- Permanent sensor network Phase 1
- Current phase of guidance trials

## City Access workstream lead

- Systems, tech and operations
- Behaviour change including MaaS, integrated ticketing etc

## Autonomous vehicles *including*

- Trial delivery (if bid successful)
- Engagement with successful bidders

Maintaining agility in response to new opportunities

Thank you



**GREATER  
CAMBRIDGE  
PARTNERSHIP**