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.

Photo: CamCycle

Smart Cambridge

Update and forward programme

15th December 2022

GREATER CAMBRIDGE PARTNERSHIP

Growing and sharing prosperity

Delivering our City Deal

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

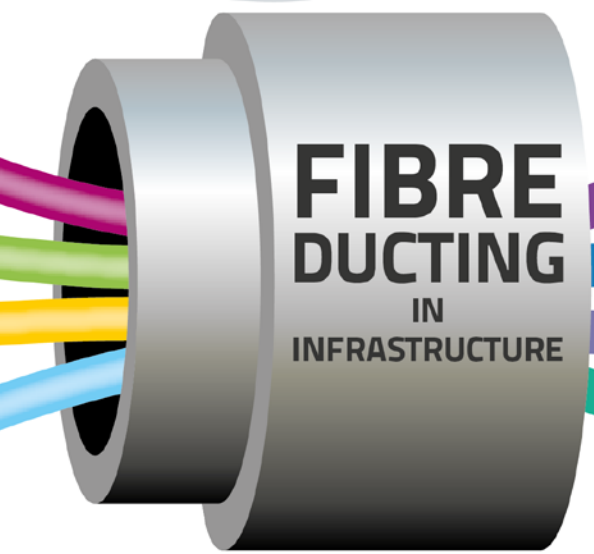
Saving time & money by integrating ducting at the same time as infrastructure schemes are built

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^2
emissions for materials use over 2 years, equivalent to the carbon emissions of driving nearly half a million miles in an average car*



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

*Estimated using Highways England calculator

connecting CAMBRIDGESHIRE

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

NEWS

SOCIAL MEDIA

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

LinkedIn
3,043 impressions, 1,721 video views

YouTube
12,669 video views

9 TV AND RADIO BROADCASTS

115 surveys completed

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

Engagement with organisations and authorities:

- Greater Cambridge Partnership Executive Board
- Local Councillors
- Government Minister
- Residents, commuters and tourists
- Local businesses
- Department for International Trade
- University of Cambridge
- Department for Transport
- Cambridgeshire & Peterborough Combined Authority
- Centre for Connected & Autonomous Vehicles

Centre for Connected & Autonomous Vehicles · UKRI Innovate UK · AURRIGO · GREATER CAMBRIDGE PARTNERSHIP · smart CAMBRIDGE

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

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Thank you