

Decarbonising Transport & Construction – EIP108

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Background

In the UK transport is the largest emitter of Green House Gases contributing to over ¼ of total UK emissions annually.

Utility networks rely on their fleet of vehicles and the use of other vehicles to maintain a high standard of work at a pace to meet the needs of the population.

When selecting construction materials for utility operations, they will be chosen on:

- Low cost
- Availability

Lack of movement towards using more environmentally friendly materials and equipment

The market for low emission vehicles is increasing in the car and low to medium sized vehicle market. Not as advanced in the larger vehicle and machinery market

Previous projects



Future projects links into streetworks, civils etc

Projects discuss future supply for EV infrastructure and hydrogen supply



Barriers

Lack of opportunities in current product and vehicle markets

Networks take individual approaches

Timely change

Providing competitive options compared to existing techniques

No existing funding route for less carbon intensive construction materials and tools

Potential Solutions

High-level technology assessment on existing solutions for zero emission plant & vehicles, sustainable materials, tooling & equipment, creating options dependant on work type (CAPEX/REPEX/OPEX) and will provide a high-level roadmap for implementation and change from existing carbon intensive approaches.

Assessment to identify and evaluate future funding/business incentives for achieving net zero construction through a sustainable approach.

It is anticipated that most solutions will be of a high TRL, with some evidence of previous success, however there is scope to fund lower TRL projects, if appropriate and eligible for network innovation funding.

Thank you

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