



Doncaster Hydrogen Refuelling Hub

Feasibility Project Overview

The project is to determine the feasibility for one or more hydrogen refuelling hubs to be centred within the Doncaster Borough at a logistics or similar development.

The project's proposition is that for hydrogen as a fuel for logistics operations to be taken seriously, then large users will need to be engaged. The siting of refuelling hubs at logistics centres would make sense and part of the feasibility study is to examine where in the Doncaster Borough one or more hydrogen refuelling hubs could be located. The first site would act as a demonstrator and engage hauliers and other stakeholders in the practicalities of running HGV (Heavy Goods Vehicle) fleets using hydrogen as a fuel.

The study is primarily aimed at HGV fleets but will also encompass light commercial vehicles, public service vehicles and any associated off-road applications.

Project Objectives:

- To determine the infrastructure (land, access, hydrogen storage, accessibility to green hydrogen, safety and planning) requirements for a full-scale hydrogen refuelling station.
- To understand the demand for hydrogen from logistics hubs, hauliers and other potential users in Doncaster, and produce a 'roadmap' to understand how this demand will develop and be met over time.
- To engage with HGV OEMs to be partners in the subsequent roll out of the technology.
- To determine the need and opportunity to develop the skills base to service and maintain hydrogen HGV fleets and the associated refuelling infrastructure.

Project Timescales:

Project start: 14th March 2022

Final report to be delivered by: 30th June 2022

Project Outputs:

- Roadmap for Doncaster towards a hydrogen transport fuel economy.
- Implementation Plan for a hydrogen refuelling infrastructure, including funding options.

Project Team:

The project is being led by Beta Technology Limited (Beta), based in Doncaster. Beta builds collaborations to support innovation that will develop game-changing technologies, and has many years of experience engaging with stakeholders and developing strategic plans in several sectors including transport and environment. Beta will be supported by specialist delivery partners.

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