Kerb-Dock Project

Grid Smarter Cities & Southwark Council

CLFQP presentation - 5th April, 2023



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River Freight

minim

Environment

Kerb-Dock Project Summary

The Kerb-Dock Project will pilot a platform providing pre-booking and management of loading bays in a busy urban setting; **safely & successfully enabling cross modal deliveries** moving from river to road.

The project is based on a **consortium of stakeholders** who closely interact with the logistics of deliveries, including stakeholders with responsibilities to manage, operate & provide safe spaces for these activities.

It will capture an abundance of **new and rich data** helping to highlight the benefits of providing river freight vessels with safe and certain landside cross docking locations and practices needed to make **river freight commercially viable**. Onward deliveries via **electric vans and cargo bikes** will also help alleviate the **negative congestion and pollution impacts** of road vehicle mileage in cities.

The project will enable all stakeholders to **record and baseline delivery data**, **highlighting patterns** & contributing to future **infrastructure business cases** and **policy interventions** necessary to smooth the path to greater scale and proportion of light freight moved by river.

Cross-docking deliveries



Delivery location



Journey Stages

The stages of the journey of the logistics is important to note and that we are highlighting the 3rd part of the journey to ensure scale up can happen at this location.



Stakeholders for Kerb Dock

Local authorities - Responsible for decreasing the congestion in their boroughs and ensuring air quality is at a legal limit so that residents do not experience health conditions from air pollution.

Operator - to deliver products/ goods to customers in the city, the health and safety of their drivers. Challenges they are facing are congestion issues which impacts on their logistics plan and can have negative impacts on their staff.

Transport bodies/ landowners - by investing in a new mode of transport from the regular road mode, it means that this will increase congestion potentially in other areas e.g. River. Enabling transport bodies/ landowners such as Port of London Authority to record the impact of creating a new logistics system and ensuring there are safe spaces to deliver goods in cross docking environments.

Businesses, residents, visitors - have direct interaction with the same space as logistics operators, ensuring that each user is respected and given enough space to safely go about their day.



Stakeholder interest





Grid Smarter Cities: Bringing order to the kerbside



Kerb Owners

Local authorities and

landowners with the legal

responsibility for highway and

kerbside management, congestion, planning and

air quality.



Kerb Platform User-centric kerb space

booking platform facilitates a

seamless interface between

kerb owners and kerb users

Kerb Users

Commercial vehicle operators, freight and logistics, delivery drivers, service and maintenance vehicles

Grid's Kerb platform enables dynamic booking of the kerb, revolutionising the urban realm - bringing order to the kerbside with a **flexible, user management tool** enabling **prioritisation** and a **permissions hierarchy** approach to turn a static 2 dimensional piece of real estate into a **3 dimensional flexible and dynamic asset**

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Bankside Pier Location- Permit bays/smart signs and air pollution devices on map



Location- Bankside



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Kerb Delivery Mobile Application - Rogue Vehicles



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Local Authority Dashboard - Southwark



Outputs from project



1.Safer road to river freight activity and managing future deliveries at bankside



2. Air quality and noise monitoring (ambient and focused on freight location) data collected for 10 months



3. Evaluation report showcasing all the lessons learned



4. Engagement with operators, Port of London Authority, Southwark Council teams, residents and businesses



5. Engaging with the community on their relationship to freight/air quality with signage

Any questions?

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