

# Innovate UK

**Results of Competition: Integrated Transport: Enhancing the End to End Journey**  
**Competition Code: 1508\_CRD2\_TRANS\_ITEEJ**

**Total available funding for this competition was £10M from Innovate UK**

**Note: These proposals have succeeded in the assessment stage of this competition. All are subject to grant offer and conditions being met.**

Participant organisation names	Project title	Proposed project costs	Proposed project grant
<b>Peel Ports Investments Ltd</b> Unilever UK Ltd University of Hull Railfreight Consulting Ltd Associated British Ports Oxford Rail Strategies Ltd Lancaster University	LHOFT - Liverpool - Humber Optimisation of Freight Transport	£1,685,626	£1,300,414
<b>Project description - provided by applicants</b>			
<p>The LHOFT Project - Liverpool - Humber Optimisation of Freight Transport uniquely brings together the combined strength of a major cargo owner (Unilever) the two key port operators at each end of the M62 corridor (ABP on the Humber and Peel Ports on the Mersey) to combine with experts from the rail industry to input into a study lead by the University of Hull's Logistics Institute to develop an end-to-end journey model that promotes the diversion of trade from long distance North-South road routes to ports on the East and West of the country. These freight journey's could be further optimised by the use of rail and offers the potential for a huge reduction in the number of freight miles on the UK road system. Technology to be developed by the University will enable multiple cargo owners to pool volumes to de-risk new sea and rail services through northern ports so removing risk barrier that prevents more cargo using northern ports today. Flows to be targeted include ferry services to the continent and all container services where the origin or destination of the cargo is on the M62 corridor.</p>			

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E-Car Club Ltd EValu8 Transport Innovations Ltd Hourbike Ltd Transport Systems Catapult Southend-on-sea Borough Council	Utilising EMobility Hubs to Enhance the End to End Journey	£929,847	£568,415
<b>Project description - provided by applicants</b>			
This project will develop, establish and test 'Mobility as a Service' based e-mobility hubs to support the end-to-end journey. The website will form a transport integration hub facilitating journey planning and bookings for trains, buses and other local transport options. The aim is to create a viable mechanism for actively encouraging behaviour change to the more sustainable e-mobility hub modes while integrating transport services to provide convenient transport choices for passengers to enhance end-to-end journey options.			

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Caution Your Blast Ltd Ayoupa Ltd InterDigital Europe Ltd Birmingham City Council University of Aberdeen	Smart Routing	£1,252,837	£940,067
<b>Project description - provided by applicants</b>			
Smart Routing will provide a step change in the user experience of door to door journeys involving public transport through greater personalisation of travel information, multi-regional real-time planning, strong user data privacy, better data quality through attention to provenance, and new business models. It provides new sources of user verified data to extend the oneTRANSPORT platform (using the oneM2M standard as core platform & HyperCat for search & discoverability of data & services), and leverages the award winning Commuter mobile App (Ayoupa & Caution Your Blast). Project outcomes include reporting on end-to-end trials across multiple geographical regions and a strategy for national/global adoption. New IP is anticipated in travel behavior, data management & analysis & new route planning mechanisms and technology. The project is delivered by a consortium comprising: Caution Your Blast Ltd, (Lead Partner), InterDigital Europe Ltd, Ayoupa Ltd, University of Aberdeen and Birmingham City Council.			

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<b>Omnia Smart Technologies Ltd</b> IBM UK Ltd TNT UK Ltd GT GetTaxi (UK) Ltd Atkins Ltd Sunderland City Council	DASH - Delivery As a Service for High-streets	£755,779	£491,017
<b>Project description - provided by applicants</b>			
DASH (Delivery As a Service for Highstreets) combines multiple technology & transport partners to create a collaborative, emissions-reducing delivery proposition involving crowd-sourced deliveries & revitalisation of inner-city high-streets via an 'easy-entry' B2B & B2C mobile software platform. This enables: (a) utilisation of low occupancy local authority car parks as delivery hubs (X'Doc) for courier operators, with adjacent Electric Vehicle rapid charging infrastructure, (b) operators to reduce inner city courier fleets & replace with multiple crowd-sourced onward delivery options, (c) customers to have variable delivery options (B2B & B2C), (d) a scalable business opportunity for electric cargo bicycles, (e) option for taxi drivers to multi-purpose vehicles, (f) a platform for local independent high-street traders to offer goods for delivery, click & collect & drop-off points, (g) integrated pricing, payment, routing, scheduling & customer parcel tracking options. DASH is an interoperable, scalable platform technology that can be expanded to target multiple freight operators & retailers to maximise socio-economic & environmental impact.			

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Fernhay Partners Ltd Skotkonung Ltd UPS Ltd Outspoken Delivery LLP University of Huddersfield City of Westminster	Delivering a partnership between 'net neutral load' trike trailers and traditional delivery vehicles	£823,204	£575,086
<b>Project description - provided by applicants</b>			
The project partners will develop then test a scaleable, multi-modal freight delivery system enabling a transformation in parcel delivery for congested urban areas. Based on a powered trike trailer and unique control software, we will develop a system that optimises the use of our product with existing vans to deliver a holistic approach to last mile deliveries combining the best of van and emerging cycle logistics solutions. Potential savings to an operator include increased parcel drop rates, reduced labour costs, reduced mileage travelled and the use of electric vehicles improving the health of the city and reducing carbon and energy consumption.			

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<b>Avanti Communications Ltd</b> Terrafix Ltd ContainerPort Ltd Freight Transport Association Ltd AIMES Grid Services CIC NPL Management Ltd Zipabout Ltd Route Monkey Ltd Voyage Control Ltd Trinity House Corporation Transport Systems Catapult Satellite Applications Catapult Ltd Hull City Council Liverpool City Council University of Hull	Collaborative and AdaPtive Integrated Transport Across Land and Sea (CAPITALS)	£2,984,608	£2,171,957

### **Project description - provided by applicants**

Collaborative and Adaptive Integrated Transport Across Land and Sea' (CAPITALS) is a 2 year project that brings together 15 organisations and stakeholders covering the land and sea logistics chain. The project will develop novel multi-modal transport solutions for seamless movement of freight and people across transport modes (sea, road and rail). The project specifically addresses congestion and delays around ports and their hinterlands resulting from the growing numbers and sizes of vessels, lorries and rail wagons. As an island nation, with more than 95% of imports and exports going by sea, the UK economy is critically dependent on shipping and inland connections. Using pioneering techniques and advanced algorithms to exploit maritime, road, rail, local authority and other data, CAPITALS will develop user-centred applications and services to better synchronise shipping, vehicle and rail movements to achieve greater capacity and efficiency from existing infrastructure. CAPITALS solutions will initially be trialled in Liverpool and Humber to validate the benefits, and then define a roadmap for national and international scale-up.

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<b>ESP Systex Holdings Ltd</b> JMP Consultants Ltd Young Scot Enterprise The Mudlark Production Company Ltd Route Monkey Ltd National Entitlement Card Programme Office - Dundee City Council	Pick & Mix: A mobility service for 16-25 year olds that outshine the car	£394,114	£302,968
<b>Project description - provided by applicants</b>			
<p>Pick&amp;Mix' will be a mobility service for 16-25 year olds created by young people, for young people. It will be designed by a team of volunteers selected from the 620,000 members of Young Scot (the Scottish youth information &amp; citizenship charity) in collaboration with designers, user experience experts, technology services companies, behavioural experts and the public sector. Pick&amp;Mix will reduce the need or desire for car ownership. Imagine a 19 year old using the Pick&amp;Mix app, 'Mobility Insight Tool' or webchat and being shown how integrated options (e.g. car club + bus + walk) are perfect for his lifestyle. His Young Scot card becomes his bus pass, car club token and reward card. Multi-modal, end-to-end journeys will thus be enabled and enhanced within this 24-month project. The design and functions of the service will be guided by the young participants to ensure it fits with the true needs of users. The project has the potential for a strong commercial return and options will be developed to deliver a sustainable business model. The project will model the potential impacts of the service and explore the opportunities for creating similar services targeted at alternative user segments.</p>			

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