



UK Research
and Innovation

Horizon Europe

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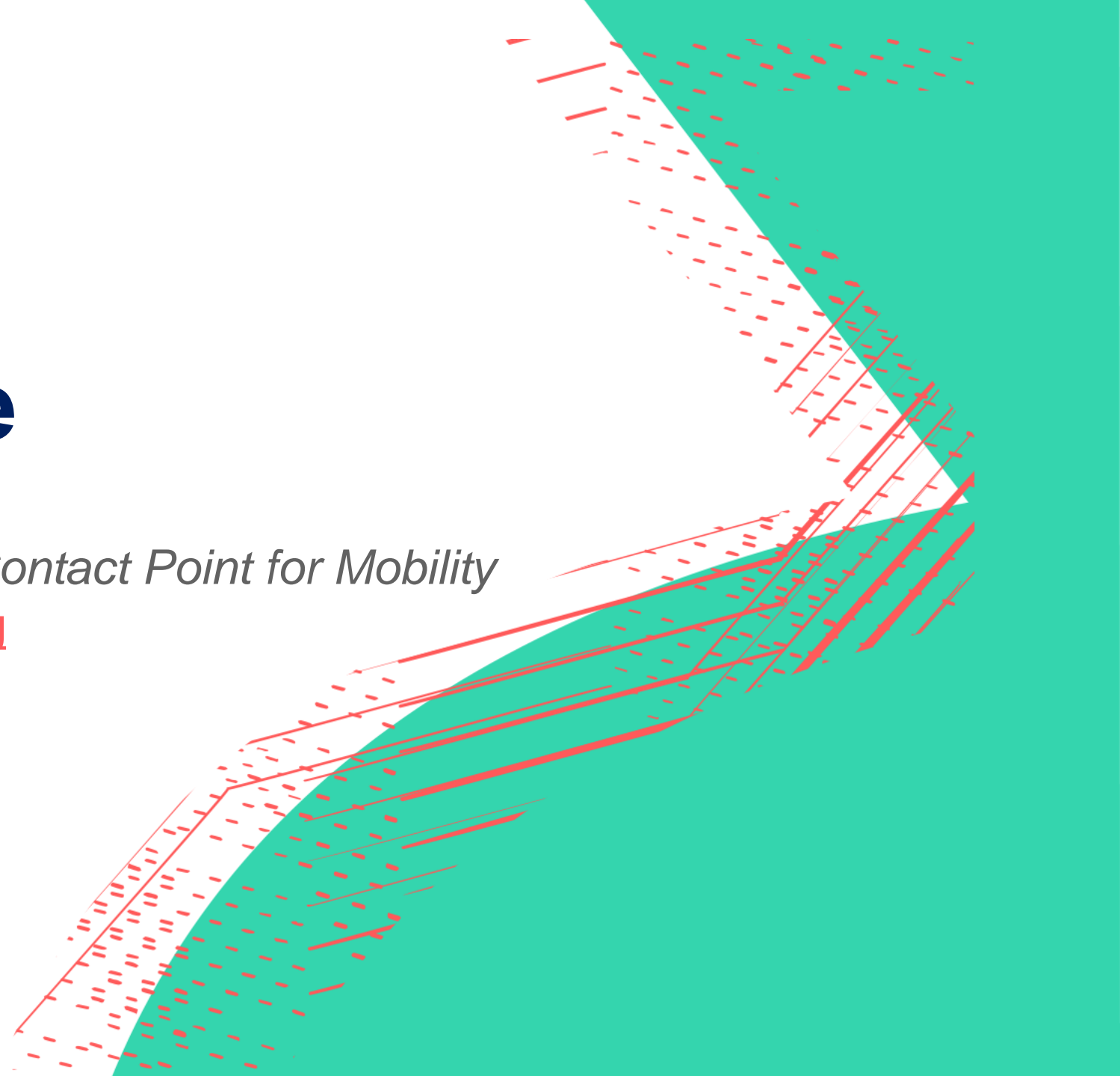
Horizon Europe UK National Contact Point for Mobility

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HORIZON EUROPE

THE NEXT EU RESEARCH & INNOVATION
PROGRAMME (2021 – 2027)



Horizon Europe National Contact Points (NCPs)

Team of country based, sector specific, advisors to support everyone to successfully participate in EU Framework Programmes

- Raising Awareness of the programme
 - Finding the right Topic
 - Identifying the best ways to find partners
 - Navigating the portal
 - Developing the proposal
 - Answering questions
 - Supporting you to succeed!
-
- EU Funded project [GREENET](#)

Full [list of UK National Contact Points](#)

NCPs for [Europe and the rest of the world](#)



What is Horizon Europe?

€95.5bn funding agreed for 2021-2027

€53.8bn

€24.9bn



€13.4bn

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

Why International collaboration is important

- Solve global grand challenges through collaborative R&I
- Collaborate with world leading organisations to learn from the best
- Access cutting edge technologies, infrastructure, talent & markets
- Contribute to the dialogue on standards, regulations and research policies
- Ensure that technology development aligns with global market place
- Collaborative relationships frequently become transactional ones – developing system solutions in supply chain partnerships
- **Creating jobs, growth and stronger supply chains**



Current Status of UK Association to Horizon Europe

- The UK government has stated that its priority remains association to Horizon Europe, as both the UK and the EU agreed under the Trade and Cooperation Agreement last year, and that it stands ready to formalise UK association
- UK organisations are fully eligible to APPLY for Horizon Europe funding as if they are from an Associate Country. Until the UK's association to the programme is complete, however, UK organisations are not eligible to RECEIVE Horizon Europe.
- The UK government has guaranteed funding for successful applicants to Horizon Europe who are unable to sign grant agreements with the EU prior to formalisation of the UK's association to the programme.

Next Generation Electric Truck (NextETruck)

Supported by the Horizon Europe guarantee, Tevva, the UK-based manufacturer of electric trucks, is part of a Horizon Europe project that will use digital twins to help decarbonise transportation.

The project brings together universities, research technology organisations and manufacturers from several European countries, including Austria, Spain, Germany and the Netherlands. The UK is represented by electric-truck manufacturer [Tevva](#) and low-emission vehicle research consultancy [CENEX](#).

Tevva's Programme Manager, Peter Scanes, explains: "Our role is to take all of the innovation that's engineered in the project by the consortium, build at least one truck with those innovations, and put it on the road for the trial period" See more [here](#)



Optimised Wind Supported Vessels (OPTIWISE)



Optiwise is a Horizon Europe project that's exploring how the wind could be used to help get shipping on track for net zero. It expects to reduce the energy used by commercial ships by 30 to 50%”

The project is run by a consortium of partners from seven European countries, including Italy, Sweden and the Netherlands. The UK is represented by wind propulsion company [Anemoi Marine Technologies](#).

More information [here](#)

Shared European Logistics Intelligent Information Space (SELIS)

The main aim of [SELIS](#) is to give every logistics provider and every supply chain access to an information sharing space using cloud technology. It would eliminate problems people have of exchanging information and finding the optimum way of transporting things.

SELIS, a €17.7m project, managed by **Inlecom Ltd** a UK SME, brought together 38 European logistics organisations with the outcomes of more than 40 previous innovation projects to build a proof-of-concept common communication and navigation platform for European logistics.

Inlecom has now partnered with leading European authorities and businesses on 13 EU-funded projects in the fields of freight, shipping, travel, and green and secure supply chains.

inlecom



Safe RoadTrains for the Environment (SARTRE)

- *In 2016, Ricardo were invited to join 15 consortia, they chose their preferred 5 and all 5 were successful*
- *50% of the funding awarded to UK automotive projects in 2016 was to Ricardo*



SARTRE demonstrated the mitigation of environmental impact and traffic congestion, as well as enhanced efficiency and driver comfort in personal transportation, through the use of safe environmental roadtrains or platoons. The project received very high levels of publicity and significantly raised the profile and customer base of **Ricardo PLC**, the project lead.

Neville Jackson, then CTO of Ricardo said “Apart from the funding, the main benefits are generally about exposure to a wider group of potential customers and better contacts with existing customers. EU projects also provide an opportunity to test new ideas and technologies with international manufacturers and suppliers. Additionally, they provide an opportunity to understand future customer needs and priorities, a broader vision of how a particular sector works and when working with competitors, an opportunity to benchmark your capabilities”.

Protecting the new generation of cars from cybercriminals

Cars are becoming smarter and 'greener' through connectivity and artificial intelligence, and cybersecurity is emerging as a new concern.

Considering the entire supply chain, CARMEL aims to introduce innovative anti-hacking intrusion detection/prevention systems for the European automotive industry

Consortium members include Electronics and Telecommunications Research Institute of South Korea; the Korea Automotive Technology Institute; and Mobigen Co Ltd also of South Korea. This gives *O Infinity Ltd*, the only UK partner, fantastic access to potential new markets.





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Thank you



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Questions?

