

How to accelerate investment for UK freight transport decarbonisation

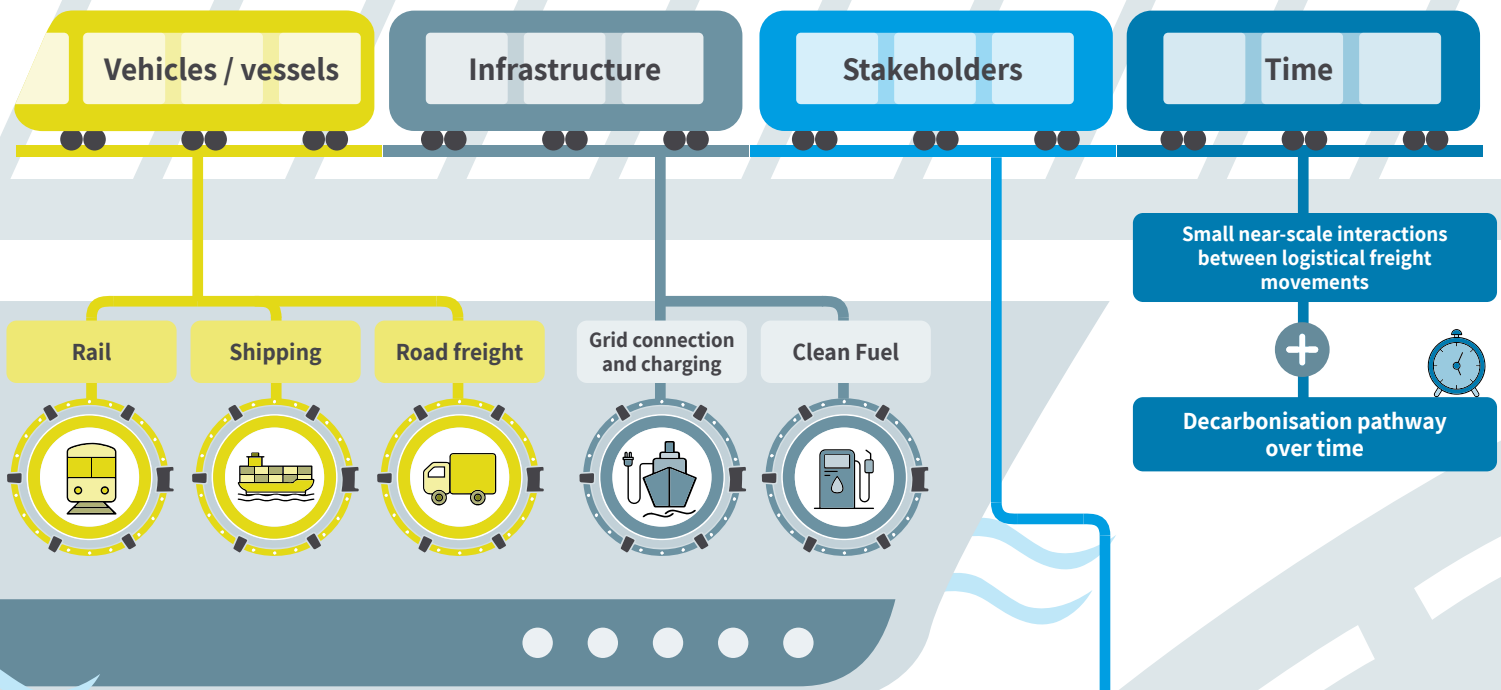
Decarbonising UK freight transport in-line with 1.5 degree goals is feasible, but requires acceleration of investment into its solutions. Academic research has a key role to play – our findings of three key topics are:

1

The need for a whole system, whole UK approach to identify technology pathways

Clarifying the technology pathway for UK freight decarbonisation is critically dependent on integrating understanding of vehicle and infrastructure technology options, with a detailed representation of UK logistics. DUKFT Whole-system modelling simulates the interaction of the following agents:

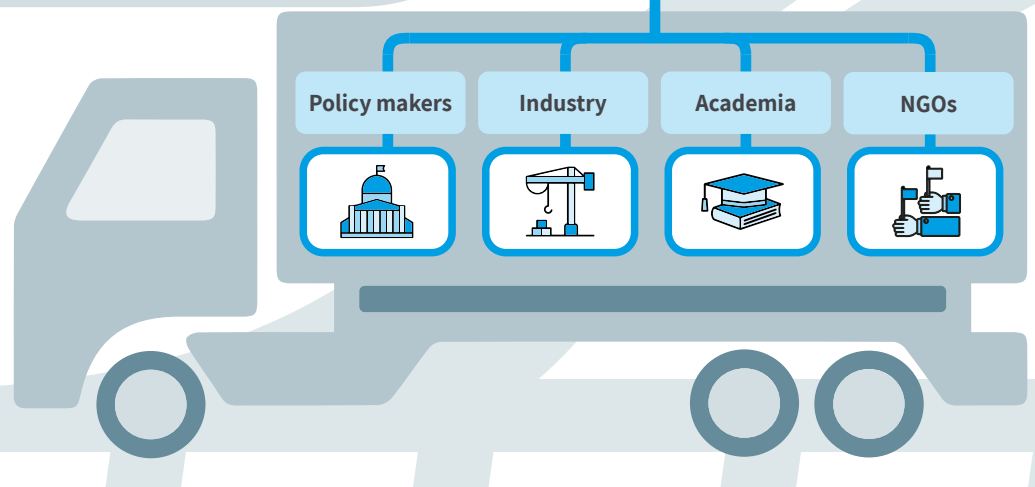
Components of Whole-system modelling



2

The importance of co-creation in freight research

Evidence showed that bringing stakeholders from different parts of freight value chains together to identify a shared vision and co-create ideas for both public and private actions aligned with unlocking investment in decarbonisation.

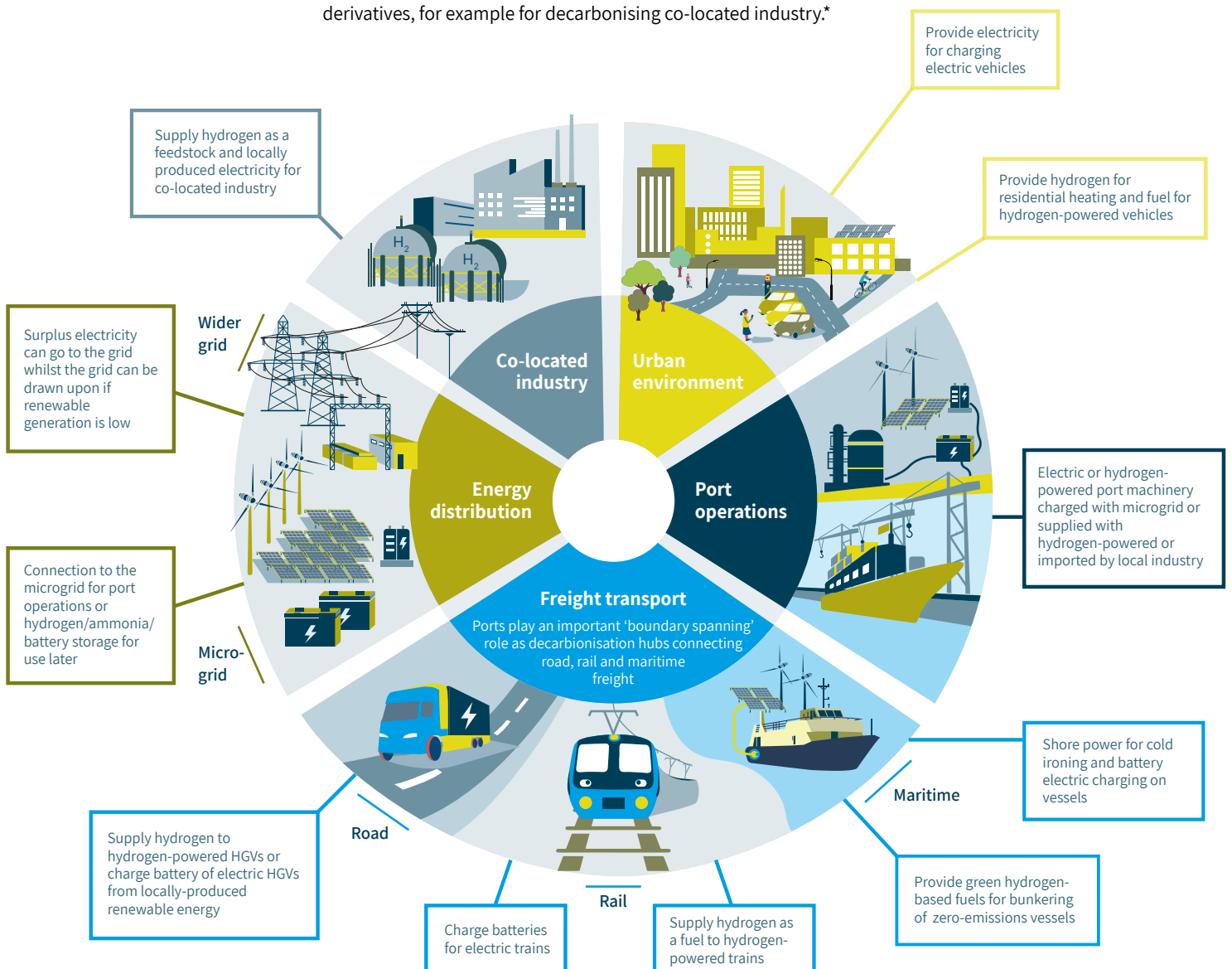


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3 Ports as decarbonisation hubs

Ports are locations where infrastructure and decarbonisation solutions synergies can be exploited for UK freight and wider industries. They are also likely to be hubs for wider offtake of electrification and the development of hydrogen and hydrogen derivatives, for example for decarbonising co-located industry.*



*Synergies between domestic freight decarbonisation and international policies are not being addressed