

CPC435 & CPC436 Systems Engineer Future Transport (2 positions)

Location	London or Milton Keynes
Reporting to	Mobility Technology Team Lead
Working hours	Full time
Contract type / duration	Permanent
Equal opportunities	CPC is committed to ensuring it recognises equal opportunities

Purpose of the role

Technology will drive radical changes in transport in the next 10 years. You will be part of the New Mobility Technology directorate enable a greener, more sustainable and effective transport system of the future, for goods and people, with the aims to:

- Stimulate innovation in the transport sector.
- Create new transport markets.
- Transition to new transport system.
- Maintain UK's position as world leading innovator, decarbonizing the transport for the benefit of the society.

To achieve these aims, we apply a holistic systems approach to innovation, bringing together the inter-related components of a successful innovation Programme to maximize impact and leverage initiatives. -

- Enabling deployment of CAV through removing barriers & transferring our knowledge to industry through collaboration and trial design as well as studying the Minimum Risk Manoeuvre/Condition.
- Supporting the maritime industry through free port innovation, becoming smart and transition to clean maritime.
- Decarbonisation of transport across modes in energy evaluation/selection and through large scale implementation and deployment planning working with Government and industry sector in Road, Maritime, Rail and Aviation infrastructure.
- Design and develop future traffic management and integration guidance through working with Government, local authority and technology companies. Enabling open market, transforming future intelligence transport.
- Develop an End-to-end logistic roadmap, understand the value of freight. Unlocking investment to support the UK economic.

Key Responsibilities

We are looking for creative and energetic individuals, with a passion for making a difference and the ability to contribute to, and accelerate, the development of future transport. You will work collaboratively across CPC and with industry to shape and deliver collaborative projects enabling development of future transport that enable regional growth, decarbonization and enable economic growth.

This means you will play a key role in delivering work packages or entire projects, working with colleagues and stakeholders. Project demands will vary, and we will aim to utilize your strengths to make the impact CPC required.

As a Systems Engineer in the New Mobility Technology directorate, your main technical responsibilities will be:

- Take responsibility for analysis and horizon-scanning activities to help identify new, innovative opportunities, primarily in transport and clean mobility sectors.
- Provide technical ownership of projects relating to clean mobility or more effective transport solutions on behalf of a range of commercial and government clients.
- Work collaboratively with customers, project partners and other industry/government/academic stakeholders to understand their requirements in relation to the transition to clean mobility.
- Deliver impactful analysis and reports to customers in a range of areas relating to clean mobility.
- Work closely with colleagues, to contribute to the successful delivery of projects. For areas of individual expertise, provide technical guidance and leadership.
- Support in business development by identifying opportunities, supporting the appropriate teams to prepare proposals and bidding activity as required.
- Represent the CPC at relevant industry events, conferences and meetings where and when appropriate.

Required skills and experience

- Relevant engineering or physical sciences discipline, or equivalent experience.
- Demonstrable experience in a transport industry or relatable role (e.g. supply chain, operating company, consultancy, research and technology organisation).
- Experience of working in a flexible, project-focused environment, requiring pro-active internal communication.
- Excellent communication and written skills, appropriate for publicly published documents and reports, with the ability to communicate complex concepts to expert and non-expert audiences.
- Proven ability to establish relationships and work with a wide range of external stakeholders (e.g. industrial, government, academic).
- A self-starter, able to work without supervision and take project level decisions.

- Comfortable to teach, guide and coach others in technical tasks on a range of projects and delegate appropriately where individual areas of expertise allow.
- Comfortable with ambiguity, and ability to turn into focused outputs.
- Numerate with excellent data analysis skills.
- Flexible, with ability to contribute to multiple projects at the same time and pick up new skills/capabilities as required for different projects.

To apply for this role please email us on jobs@cp.catapult.org.uk with your CV and covering letter attached quoting the ref: **CPC435 and CPC436**