

CPC437 - Senior Systems Engineer Future Transport

Location	London or Milton Keynes
Reporting to	Mobility Technology 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 enabling a greener, more sustainable and effective transport system fit for the future, goods and people, with the aims to:

- Drive innovation in the transport sector.
- Develop new transport markets.
- Transition to new transport system
- Maintain the 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 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 and Rail 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

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

- Provide technical leadership in projects relating to one or more initiatives on behalf of a range of commercial and government clients
- Enable industry to build required capabilities for growth and innovation in order to address market barriers and create opportunities
- Play a key role in developing strategies and project ideas on one or more initiatives
- Own and manage relationships with customers, project partners and other industry/government/academic stakeholders
- May lead programmes with substantial complexity
- Deliver impactful analysis and reports to customers in a range of new mobility areas
- Provide technical support/coaching to colleagues
- Contribute to business development by identifying opportunities and contributing to proposals and bidding activity as required
- Represent CPC at relevant industry events, conferences and meetings as appropriate

Required skills and experience

- Extremely knowledgeable and technical specialist professional with experience in delivering unique and strategic business contributions
- Broad knowledge of other related disciplines to a high level
- Independently solves complex or unique problems for and with others
- Relevant degree, or significant equivalent experience, in engineering or a related discipline (Masters level is advantageous but not essential)
- Demonstrable experience in a transport industry or related 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
- 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
- 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
- Ability to teach, guide and coach others in technical tasks on a range of projects and delegate appropriately where individual areas of expertise allow
- Ability to thrive with ambiguity

To apply for this role please email us on jobs@cp.catapult.org.uk with your CV and covering letter attached quoting the ref: **CPC437**