

Luke Foy



Profession

Rolling Stock Consultant

Current Position

Managing Consultant

Joined IPEX

January 2018

Nationality

British

Qualifications

MEng (Hons) Mechanical Engineering, University of Nottingham, 2010

Chartered Mechanical Engineer (CEng)

Professional Associations

Member of the Institution of Mechanical Engineers (MIMechE)

Luke is a highly professional Chartered Engineer with experience focused on Railway Vehicles Engineering. Currently developing his career within passenger rolling stock after a specialising in inter-operable plant and engineering vehicles.

Specialisations:

- Managing projects and assurance process through design to delivery.
- Writing specifications to ensure compliance to applicable standards and regulations.
- Development of verification and validation criteria.
- Disseminating assurance deliverables into “routes to success”.

Luke’s experience in inter-operable rail vehicles and their application across complex systems leads him to applying pragmatic and direct approaches to ensuring project success.

Selected projects:

IPEX Consulting, Managing Consultant, Jan 18 – Present:

Rolling Stock Replacement Bid (2018): Support to client to draft and enhance a bid submission for supply of light rail rolling stock to UK client.

Rolling Stock Franchise Bid (2018): Provided the manufacturer with engineering support with clarification and identification of applicable standards for differing performance criteria.

Govia Thameslink Railway – Class 377 Reliability (2018): Provided quantitative review of current data and reports and the effectiveness to drive operational fleet management and engineering decisions.

InterCity Express Programme Stake Bid (2018): Analysis of contract payment schemes and impact of performance and operation impacts.

Transport for London, Engineering Vehicles Project Engineer, Jul 14 – Dec 17:

Modular Points and Crossings Installation System: Managed the engineering through design, manufacturing and testing phases for the delivery of On Track Machines to install track panels within a sub-surface network. The first fully inter-operable On-Track Machines between LU and NR.

Mechanised Overnight Re-Ballasting System: Produced Technical Specifications, managed the engineering aspects of the PQQ and conducted evaluations of potential tenderers for new OTMs.

Multiple Signalling Integration Project: Managed engineering tasks, and produced requirements specifications for a multiple signalling system to ensure multiple line operability during traffic hours for engineering vehicles under Automatic Train Protection.

Transport for London, Mechanical Graduate, Sep 12 - Jul 14:

Rolling Stock: Designed and implemented new maintenance tasks to improve Central Line fleet reliability.