Mark Beeson
Technical Director

Key Skills

- Agile Project Management
- Whole Life-Cycle Electronic Product Design
- CSM-RA Experience
- Rail Signalling

Qualifications

- IRSE Exam Qualified
- 1st Class MEng Hons Electronic Engineering - York

Contact details

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Professional Summary

Mark has 20 years of multi-disciplined engineering experience in both railway signalling and academia.

Mark has been instrumental in the design and acceptance of numerous railway signalling products having led the Mpec technical team for over 10 years, acting in a diverse range of roles such as lead designer, project manager and verification engineer.

As technical lead, Mark is accountable for the performance and reliability of Mpec products and sets the company's technical strategy.

Selected Professional History

SA380-IT Insulation Monitor
Mark is lead Engineer and project manager of the SA380-IT multiple busbar insulation monitor. This is a safety related item of railway signalling hardware that requires novel use of technology, reliable operation, and a demanding set of operational parameters at a highly competitive price point. The project was delivered in partnership with Network Rail following the Common Safety Method.

Centrix RCM Platform
Mark has overseen the tripling in size of the Mpec enterprise software development team and with the aid of this team seen the Centrix RCM platform grow from a system that handled a few hundred thousand data events per year to a system that now manages billions of events every year and has users on three continents.

EbiTrack Monitoring with SA380TX-L Data Logger
Mark's work with Bombardier and Network Rail led to the network wide deployment of the remote monitoring of the EbiTrack series of track circuit. This was instrumental in paving the way for EbiTrack to become the first Network Rail signalling asset that is maintained solely using condition monitoring data.

Network Rail Technology Introduction Manager
Working within Network Rail during the early stages of the Intelligent Infrastructure programme Mark was responsible setting the interface specifications between engineering systems and performing the verification work to assure that data logging hardware and central server based could converse effectively.