

Accelerating Accessibility: How EFA Engineering Enhanced Fire Safety for Wixams and Meir Stations



Introduction

Supporting Network Rail on the new Wixams and Meir stations, EFA Engineering was engaged to provide expert fire safety assurance and stakeholder coordination. Both stations required full compliance with modern fire strategy standards and seamless integration into the operational rail network.

Background

As part of Network Rail's enhancement programme, Wixams and Meir stations required compliant fire strategies to meet modern standards. Early submissions lacked detail and coordination, leading to the need for independent assurance and clearer stakeholder alignment.

The Challenge

Delivering fire strategies for Wixams and Meir Stations posed major hurdles:

- Incomplete documentation delayed approvals and reduced stakeholder confidence
- Fragmented coordination between architects, consultants, and emergency services created inefficiencies
- Complex fire engineering and escape route validation required specialist expertise
- Evolving safety standards demanded full compliance while maintaining programme momentum



Why EFA Engineering

EFA Engineering was chosen for our expertise in fire strategy assurance and multidisciplinary coordination, ensuring technically sound, compliant, and practical solutions for both stations. Our approach combined technical precision with proactive stakeholder engagement, resolving key design issues early.

How EFA Engineering Responded

We delivered targeted, independent fire safety assurance for Wixams and Meir stations through four key pillars, ensuring robust compliance, technical accuracy and effective stakeholder coordination:

- **Advanced Fire Engineering:** Modelling and escape route validation to ensure compliance
- **Comprehensive Reviews:** Checked and refined fire strategy documentation for accuracy and approvals.
- **Stakeholder Coordination:** Aligned architects, consultants, emergency services & Network Rail.
- **Technical Guidance:** Provided clear direction to integrate fire safety into operational design

We worked closely with Network Rail teams, acting as true delivery partners focused on outcome

The Results

The impact of EFA Engineering's work was immediate and long-lasting, strengthening fire safety assurance and stakeholder collaboration across both stations:

Our work delivered measurable impact:

- **Clear approvals** - strategies met all fire safety regulations, enabling timely project progression
- **Improved coordination** - structured communication reduced delays and increased efficiency

- **Strong assurance** - validated evacuation routes confirmed safe, compliant passenger egress
- **Enhanced preparedness** - station design supports safe evacuation and effective emergency response.

If you're facing delivery challenges or want to improve efficiency in complex infrastructure programmes, EFA Engineering can help. Our team brings clarity, speed, and value to every engagement — with solutions that are grounded in data, experience and built for impact.

Contact us today to explore how we can support your next project.