



Fire Door Remediation & Steel Door Installation at Viridor Energy Cardiff ERF School

Client Contact: Viridor Energy

Contract Value: TBC

Contract Duration: TBC

Scope of the Contract

Location / Service: Viridor Energy Recovery Facility, Cardiff

Sector: Energy and Waste Management

Highland Services were appointed to complete fire door remediation works and specialist steel door installations at Viridor Energy's Cardiff Energy Recovery Facility.

The project formed part of a wider programme of fire safety improvements designed to enhance fire compartmentation and ensure access points across the facility met current compliance standards.

Following a detailed fire door inspection report, the works were delivered across two phases and included a combination of new steel door installations and remedial upgrades to existing door sets.

Services Delivered

- Installation of one FD240 steel double door set within a critical high-risk area
- Installation of three additional steel double door sets
- Installation of five steel single door sets
- Remediation works to nine existing steel door sets
- Fire stopping and sealing using approved fire mastic systems
- Full sealing and finishing works to maintain fire integrity
- Remedial works to address non-compliances identified within the fire door inspection report
- Installation and quality-assurance processes completed in line with BM TRADA standards
- Coordination with site management and health and safety teams throughout the programme

Challenges and Mitigation

Challenge 1: Live Industrial Environment

The works were completed within an operational energy recovery facility, where industrial processes and critical infrastructure remained active throughout the project.

Mitigation: Works were delivered through a phased programme, with close coordination alongside site management and health and safety teams to maintain safe working practices and minimise disruption.

Challenge 2: High-Risk Areas

The installation of an FD240-rated steel double door set required a high level of precision due to the enhanced fire-resistance requirements within the affected area.

Mitigation: Experienced installation teams followed tested specifications and BM TRADA-compliant methods to ensure the door set achieved the required level of performance.

Challenge 3: Heavy-Duty Door Installations

The existing doors varied in condition, with some requiring full replacement and others suitable for targeted upgrades.

Mitigation: Each door was assessed individually, allowing Highland Services to recommend the most appropriate compliant solution for each location.

Challenge 3: Compliance-Driven Programme

The remediation works needed to directly address issues identified through a formal fire door inspection report.

Mitigation: Each area was reviewed against the inspection findings, with remedial works completed and quality checked to ensure the identified non-compliances were resolved.

Programme Management

The works were delivered across two phases to align with the operational requirements of the live energy recovery facility.

Highland Services worked closely with site management and health and safety teams to ensure installations and remedial works were completed safely, efficiently, and in accordance with site-specific procedures.

The programme required careful coordination due to the industrial setting, the heavy-duty nature of the steel door sets, and the elevated fire-resistance requirements associated with critical areas of the facility.

Contract Management

All works were delivered in line with BM TRADA standards and fire compartmentation best practice.

Highland Services managed the programme from initial coordination and site-specific planning through to installation, remediation, sealing, finishing, and quality assurance.

Strict adherence to risk assessments, method statements, and site safety procedures ensured the works were completed safely within a complex industrial environment.

Performance

The project successfully delivered the installation of new high-performance steel fire door sets alongside remediation works to existing doors throughout the facility.

The completed works addressed identified non-compliances, strengthened fire compartmentation, and improved protection for personnel, infrastructure, and operational assets.

All works were delivered in line with the agreed programme and compliance requirements.

Impact and Added Value

This project demonstrates Highland Services' ability to deliver complex fire door solutions within high-risk industrial environments.

The installation of specialist FD240-rated steel doors, combined with wider remedial works, required technical expertise, careful planning, and a strong understanding of fire compartmentation requirements.

As a BM TRADA-accredited contractor, Highland Services provides clients with confidence that fire door installations and remedial works are completed to the highest standards of compliance, durability, and long-term performance.