

Sector Experience

Transport

Objectives >

>Meet Building Regulation (and rail or other) specific requirements including safe and efficient means of escape.

>Provide efficient access and egress from the building, taking into account familiar exit routes;

>Open design solutions with unobtrusive smoke control specifications.

>Integrate security and control requirements with the egress strategy.

Our Service >

Performance based Fire Engineering

>Planning of means of escape including emergency exits and exit width, taking into account transient flows & am/pm peaks. Optimise location of exit routes, which may be limited.

>Specification of active and passive fire safety systems including detection & alarm, suppression and structural fire protection.

Egress modelling of multiple scenarios

>Allows day-to-day and egress analysis to be adequately designed.



>Cork Airport



>Dublin Airport, Pier D Terminal

Smoke modelling

>Assessment of both natural and mechanical strategies provided. Large unobstructed compartments are often sought with a single smoke reservoir.

Compliance with relevant code & guidance

Where fire engineering is not required a code compliant solution is adopted. The detail needed can be extensive. Our fire strategy conveys all key requirements and specifications.

Fire Strategy Drawings, Fire Legislation Applications and Construction Stage Services

Projects >

Dun Laoghaire Ferry Terminal Building Controlled areas were integrated with the fire safety strategy to provide both secure and safe means of escape. MSA advised during all stages of the design of this main passenger terminal to the UK.

Irish Rail Stations – Heuston MSA provided crowd flow analysis during peak periods. This provided an upgrade of the existing Heuston Station. MSA have also provided Building Emergency Safety management with evacuation training for staff etc.

Other Projects Connolly Station, Shannon Airport, Knock Airport, Shannon Air Traffic Control Centre, Dublin Air Traffic Control Tower, Cork Air Traffic Control Tower, Numerous Irish Rail Surface Stations e.g. Adamstown, Baldoye/Clongriffin, Hazelhatch Station.

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