

Sector Experience

Stadia

Objectives >

- >Meet Building Regulation requirements including safe and efficient means of escape & fire fighting access.
- >Provide efficient access and egress from the stadia, taking into account the total population.
- >Maximise retail on concourse and meet the functional and architectural design requirements.

Our Service >

Performance based Fire Engineering, including:

- >Planning of means of escape including emergency exits and exit width. This would typically include evacuation modelling including optimum location of vomitories and stair cores or access ramps.
- >Specification of active and passive fire safety systems including detection & alarm and suppression, with consideration to retail on concourse level.
- >Analysis and specification of structural fire protection, which may permit a reduction in applied fire protection to structural elements.

Egress modelling of multiple scenarios

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

Smoke modelling

- >Assessment of both natural and mechanical strategies provided, including those requirements for the concourse.

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



>Croke Park – National Sports Stadium



>Lansdowne Road Stadium



>Thomand Park Stadium

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