

Sector Experience

Public Assembly

Objectives >

- >Meet Building Regulation 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.

Our Service >

Performance based Fire Engineering

- >Planning of means of escape including emergency exits and exit width.
- >Optimise location of stair cores.
- >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.

Smoke modelling

- >Assessment of both natural and mechanical strategies provided.

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 >

The O2 Venue, Dublin : MSA provided services from concept to construction and are ongoing with event management services at one of Europe's most state of the art venues.

Guinness Storehouse Visitors Centre, Dublin. Structural fire engineering was provided, among other services, (inc. compliance report) to allow unprotected existing steel structure. The smoke modelling also facilitated the unique atrium design.

Other projects Punchestown Racecourse Grandstand, Curragh Racecourse, Citywest Convention Centre, Royal Theatre Castlebar, Druid Theatre Galway, Cineworld Parnell Street Dublin, Liffey Valley Cineplex Swords, Cineplex



>O2 Venue, Dublin Photo Credits ©Populous



>Grand Canal Theatre, Dublin Photo Credits Lafferty Design Studio



>National Conference Centre Photo Credits Kevin Roche John Dinkeloo & Associates LLC

>Dublin Office

19 Windsor Place,
Lower Pembroke Street,
Dublin 2

Tel: +353 (1)6765713
Fax: +353 (1)6785247
Email: dublin@msa.ie

>Belfast Office

Scottish Mutual Building,
Donegall Square South,
Belfast BT1 5IG

Tel: +44(0)2890312077
Fax: +44(0)2890312077
Email: belfast@msa.ie

>Leeds Office

Calls Wharf,
2 The Calls,
Leeds LS2 7JU

Tel: +44 (0)113 237 2838
Fax: +44 (0)113 237 2701
Email: leeds@msa.ie



ACEI
Association of Consulting
Engineers of Ireland