

## Sector Experience

### Residential Developments- High rise

#### Objectives >

- >Meet Building Regulation requirements including safe and efficient means of escape.
- >Minimise overdesign, in particular with regard to stair cores and structural fire protection.

#### Our Service >

##### Performance based Fire Engineering

- >Planning of means of escape including emergency exits and exit width.
- >Optimum location of stair cores.
- >Specification of active and passive fire safety systems including detection & alarm, suppression and structural fire protection.

##### Smoke modelling

- >Assessment of both natural and mechanical strategies provided for common corridors to show achievability of extended travel distances.

##### 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 Cons

#### Projects >

##### Atlantic Quarter Cork Photo Credit. Foster & Partners Architects. Howard Holdings

MSA have developed the fire strategy for this landmark 28 storey building in Cork. Currently in post planning stage, the building includes a number of fire engineered solutions including a roof garden, an evacuation lift, extended travel distances and a single stair serving a basement car park.

##### Heuston Square Residential Development, Dublin

Prestigious mixed use development comprising residential apartments, offices and retail.

**Other Projects** Spencer Dock Apartment Development Dublin, Royceton / Zoe Apartment Development Dublin, Milltown Apartment Development Dublin, Monastery Road Apartment Development Dublin, Sweepstakes Apartment Development Dublin, Custom House Docks Apartment Development Dublin, Rockbrook Sandyford Dublin, Parkview Development Dublin, Phoenix Park Racecourse Residential Development Dublin, Lancaster Gate Cork.



>Atlantic Quarter Photo Credit. Foster & Partners Architects. Howard Holdings



>Point Watchtower, Dublin



> The Grange, Stillorgan, Dublin

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