

Sector Experience

Office and Commercial Developments

Objectives >

- > Meet Building Regulation requirements including safe and efficient means of escape.
- > Meet the functional and architectural requirements.
- > Provide open un-compartmented spaces including voids and atria where required.
- > Minimise overdesign, with particular reference to voids connecting floors.

Our Service >

Performance based Fire Engineering

- > Planning of means of escape including emergency exits and exit width.
- > Optimum location of stair cores including options for single stair design solutions.
- > External fire spread analysis.
- > 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 for voids and atria is provided. This includes integration with the building's day-to-day ventilation requirements to remove duplication of systems.

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

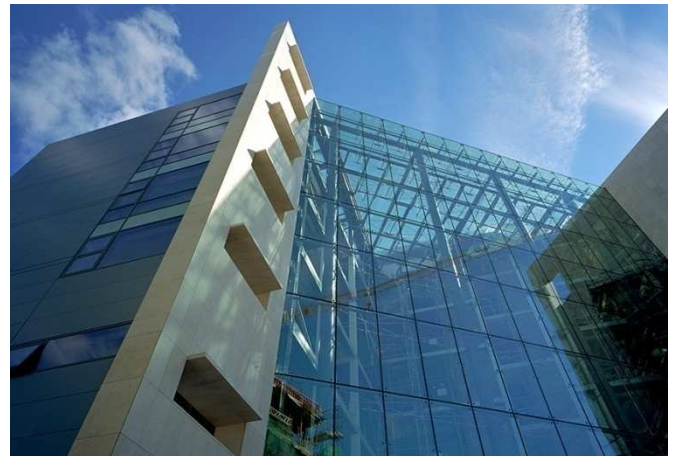
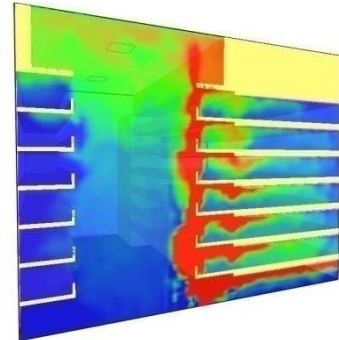
Projects >

Montevetro Tower, Dublin Photo credit Architects DEGW Architects, Dublin

A 13 storey office block provided over a three storey basement car park. MSA provided planning and fire certificate application services. A phased evacuation strategy allowed stair cores to be rationalised improving lettable space.

Fingal Civic Offices, Co. Dublin. Photo credit Architects Scott Tallon Walker Architects, Dublin

The award winning Fingal Civic Offices incorporates a large atrium. A smoke control system for the atrium was provided including means of escape and compartmentation. MSA provided concept through to completion including opinion of compliance.



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ACEI
Association of Consulting
Engineers of Ireland

The AIB headquarters includes a large atrium for ventilation and light. MSA's fire design strategy and fire/smoke modelling verifies life safety of architect's design approach.

Allegro Development

Mixed use development at the former Allegro Site in Sandyford, Dublin comprising of 6 office buildings and 6 retail (or other) commercial uses. The lower ground and basement level car parks extend under the entire complex of 12 buildings.

Citibank

MSA provided the innovative fire engineering design from concept to construction for the leading international bank in Dublin's Financial Centre.

Grand Canal Square Offices Photo credit Architects DMOD Architects, Dublin

14,500 square metre office and retail development fronting onto the new Grand Canal Square.

Invest NI Headquarters, Belfast Photo credit Architects Todd Architects, Belfast



Design and construction involvement on this prestigious headquarters in Belfast City Centre. Water mist suppression was adopted on this project to maximise the net lettable area in this commercial development.

One Warrington Place Photo credit Architects Henry J Lyons Architects, Dublin

This 7 storey building facing the canal and within the heart of Georgian Dublin is over a basement level of car parking and plant rooms. By using car lift access to the car park it allows the client to maximise the building's net lettable area.

Other Projects, IFSC Dublin, Spencer Dock Development Civic Offices Dublin, One Grand Parade Dublin, Mespil / Burlington Road Development Dun Laoghaire Civic Offices Dublin, Decentralised Government Office Development Portlaoise, Bar Council Offices Dublin, Harcourt Centre Office Development Dublin, Park Place Dublin, Citygate Cork.

>Heuston Square Development, Dublin – Eircom HQ



>Blackfriars London Photo credit Architects HKR Architects, London



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