

## Sector Experience

### Education

#### Objectives >

- >Meet Building Regulation requirements including safe and efficient means of escape.
- >Maximise opening planning where required and meet the functional and architectural requirements.
- >Minimise overdesign.

#### 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.



>Trinity College Dublin New Biosciences

##### Egress modelling

- >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



>UCD Gateway, Dublin Photo Credits Architects: Ingenhoven Architects, Düsseldorf. Illustrator: Peter Wels, Hamburg

#### >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

## Featured Projects >

### Trinity College Library

MSA have been the fire safety engineers on a number of projects at Trinity College Dublin. The most recent is the new Library and the Historic Long Room Library.

### Trinity College Biosciences Buildings, Dublin

Working closely with RKD Architects and Walls Construction the new Biosciences building is now under construction. The building comprises three basement levels and 6 upper levels of laboratories, teaching facilities and commercial offices.

### University College, Dublin (Conway institute and health sciences buildings)

MSA have been the fire safety engineers on a number of projects at University College Dublin. The most notable being the Conway Institute and the Health Sciences Building.



> Trinity College Dublin Library

### University College Dublin Gateway Project Photo Architects: Ingenhoven Architects, Düsseldorf. Illustrator: Peter Wels, Hamburg

The Architects on this very challenging and impressive new development entitled the Gateway Project at UCD are Ingenhoven Architects in Dusseldorf. MSA are involved in the entire development currently provided strategic advice for planning.

### National University of Ireland, Galway (NUIG) – New Engineering School

The client sought an educational environment to inspire learning and innovation. MSA has been involved at an early stage on the new School of Engineering building and construction is due to start in 2009.



> NUIG, New Engineering School

**Other Projects** University of Limerick. Dublin City University Library, Maynooth University, University College Cork, IT Letterkenny ,IT Limerick, IT Sligo, IT Dundalk, IT Tralee, Blackrock College, Belvedere College, East Down Institute (Downpatrick, Ballinachil & Lisburn), Knock Brede Highschool Belfast, Numerous Schools / Colleges, including: Cherry Orchard Dublin, Kilcoole, Wicklow, Dunmanway, Ballinteer, Dublin, Tourism College, Killybegs, National Maritime College Cork.

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2 The Calls,  
Leeds LS2 7JU

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



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