

AECOM in Ireland brings a comprehensive portfolio of building services and engineering skills to projects encompassing all types of building form and use.

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**A commitment to quality and value for money drives AECOM's approach to civil and structural engineering. Sensitive consideration is given to aesthetics, sustainability, innovation, buildability and durability, all within the context of delivering to tight construction deadlines.**

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#### Structural Engineering

Our structural engineers have the core skills needed to undertake all types of construction projects. Their design experience ranges from structures which use traditional materials like concrete, steel, timber and masonry to more innovative solutions incorporating structural glass, steel suspension cables and high strength concrete. Specialist expertise is offered in the following areas: long span structures; listed building restoration and heritage conservation; deep basements; low energy buildings; structural assessments, repairs and underpinning.

Clients using our structural engineering consultancy services cover all sectors of industry and commerce.

#### Civil Engineering

We offer a total civil engineering capability covering conceptual design through to construction. This is provided either as an integral part of the engineering team or as a standalone service to complement project and cost management.

Recognising the potential impact of ground conditions on the viability of a project, AECOM's in house geotechnical and environmental specialists provide crucial on line support and advice to our engineering staff and external clients. This ensures cost-effective and viable solutions are found wherever difficult or unusual ground conditions are encountered.

#### Building Services Engineering

Our building services engineers are at the forefront of their discipline for the design of the mechanical, electrical and public health (MEP) systems required for the safe, comfortable and environmentally friendly operation of buildings. We embrace world class methodologies and technologies, including information rich Building Information Modelling (BIM) and Computational Fluid Dynamics(CFD), to facilitate more efficient ways of working and design at all stages of the project life-cycle. We pride ourselves on our innovative approach and design of MEP systems.

The quality of a building's internal environment plays a significant role in determining its fitness for the purpose for which it was designed. The application of modern control technology, allied to energy efficient heating, ventilation air-conditioning systems and lighting allows for optimum internal environmental conditions deliver the optimum solution balancing environmental performance with whole life cycle costs.

We deliver expert thinking to drive efficient solutions for heating, ventilation, air conditioning, security, lighting, and power with a focus on critical systems and resilience levels, medium/low voltage electrical distribution, incorporating uninterruptible power supplies, generators, metering and fault detection, cable management, general & emergency lighting, information & communications technology, building energy management, fire protection and security, public address, lighting protection, micro-generation technologies and lift transportation.

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**AECOM**

## Building Engineering

Delivering Excellence in Ireland



The Curragh Racecourse Redevelopment (Image copyright of Grimshaw Architects)

2017

## Building Engineering with AECOM

The AECOM Buildings + Places team in Dublin has been working successfully in Ireland since 2007 providing Civil+ Structural Engineering services.

In recent years we added Mechanical and Electrical services to the team allowing us to deliver a full multi-disciplinary engineering service to the Irish market.

We have approximately 52 engineers working in our civil and structural department and approximately 28 mechanical and electrical engineers throughout Ireland.

All staff in our five offices across Ireland are supported by more than 100,000 colleagues around the world. This means our clients have access to the range of skills and expertise of a global company, with the knowledge and responsiveness of a local business.

Our AECOM Ltd teams in Ireland have substantial fit out and new build experience and can provide a full BIM service, to suit the requirements of the client and project.

Aecom takes a multidisciplinary and full-lifecycle approach to project delivery, from inception and design through to operation and eventual closure.

In recent years, we have become a leading provider of integrated design consultancy services to a wide range of public and private sector clients.

We have been involved in developing some of the biggest hospitals, busiest roads and most complex contaminated land schemes across Ireland. We also pride ourselves on providing specialist services to niche and unique schemes to improve local communities.



# List of Services



## Our Markets

Commercial  
Education  
Government  
Healthcare  
Industrial  
Data Centre  
Leisure  
Power  
Sports  
Transportation  
Water

## Our Services

Structural Design  
Civil Engineering  
Building Services  
BIM  
BC(A)R Assigned Certifier  
Transport Engineering  
Environmental Services  
Health & Safety Coordination  
Sustainability/Leed/Breem  
HV Power Transmission  
Fire Engineering  
Acoustics  
Façade Engineering  
Expert Witness  
Geotechnical Engineering  
Remediation & Contaminated Land  
Ecology  
Digital Media  
Waste Planning  
Water Engineering

# Sample Clients & Projects



## Commercial

Confidential EMEA HQ  
Central Bank of Ireland  
McDonalds  
Tifco Hotels

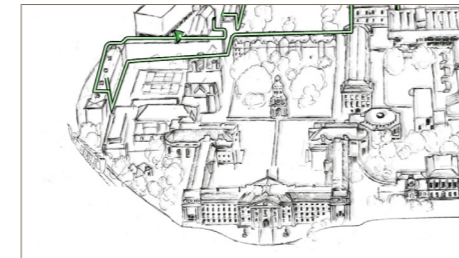
Mechanical & Electrical services  
Civil & Structural services  
Technical inspection services  
BIM



## Datacentres

Confidential Clients

Mechanical & Electrical services  
Civil & Structural services  
BIM



## Energy, Utilities & Industrial

Trinity College Dublin MV Upgrade

Mechanical & Electrical services  
Civil & Structural services



## Aviation

DAA Capacity Development  
DAA Fire Station  
DAA Arrivals Upgrade

Mechanical & Electrical services  
Civil & Structural services  
BIM



## Commercial Fit-out

Ernst & Young, UBS, Novartis, Parliament Hotel  
Google, Vodafone, SAP Ireland, Goodbody's

Mechanical & Electrical services  
Civil & Structural services



## Education

UCD Confucius  
Grangegorman  
IT Tallaght  
Trinity College Dublin

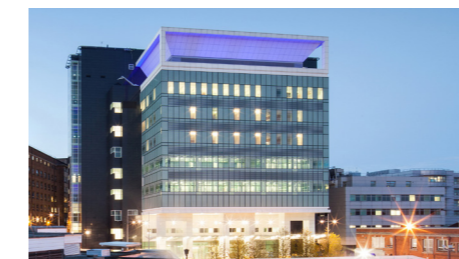
Mechanical & Electrical services  
Civil & Structural services  
BIM



## Culture, Sports & Leisure

The Curragh Racecourse  
Tyrone GAA Centre of Excellence  
Windsor Park (Belfast)

Mechanical & Electrical services  
Civil & Structural services  
BIM



## Healthcare

Royal Victoria Hospital  
Ulster Hospital  
Belfast City Hospitals

Mechanical & Electrical services  
Civil & Structural services  
BIM

# Key Contacts



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