

# Industrial Buildings & Specialist Structures

Mott MacDonald Ireland Limited



General Instrument - electronics assembly.

## Mott MacDonald Ireland

**Mott MacDonald Ireland, a wholly owned subsidiary of the Mott MacDonald Group operates as a multi-disciplinary consultancy with capabilities in the areas of civil/structural engineering, utilities and building services, power generation, transport, specialist industrial architectural services and environmental engineering.**

We are a quality assured company under the international quality standard ISO 9001:2000 & ISO 14001:2004. The company employs full time quality managers and regular audits are conducted by trained auditors to ensure our high quality standards are maintained.

With over 150 personnel in our Irish offices, and the support of +14,000 worldwide, we can mobilise the required specialist teams to provide a tailored service to industry at all times.

Industrial Buildings vary from a simple weatherproof enclosure, to a sophisticated structure that forms an integral part of the process. Our track record in the design of specialised buildings for industry extends for more than 30 years, and includes many different sectors, such as:

- General Manufacturing
- Food Industry
- Pharmaceutical
- Electronics
- Extractive Industry
- Waste Handling
- Cement Industry

## Building Architecture

Challenges that we have successfully addressed include the aesthetics of very large buildings, internal environments with high temperatures and humidity, hygienic and GMP construction for example.

Industrial buildings usually require the integration of a large number of services and utilities, and we are familiar with the various ways of incorporating these, for example with walk on ceilings.

[www.mottmac.ie](http://www.mottmac.ie)

## Key areas of expertise

- Industrial Architecture
- Civil and Structural Engineering
- Cost Consultancy
- Fire Safety
- Project and Construction Management
- Energy Ratings



Irish Cement Plant, Platin, County Louth - Limestone storage building.

  
**Mott MacDonald**



**Warner Lambert - Heavily serviced ceiling void.**



**Ballyogan - Waste transfer and bailing station.**

We can offer particular expertise in the design of enclosures for the manufacturing process such as:

- Chemical Resistant floors and walls
- Clean room consultation
- Air and water tight consultation
- Odour control
- Acoustic control
- Access control, security and hygiene

### **Structural Engineering**

Our Structural Engineers work closely with the architects and process designers to integrate the structure with the function of the building.

Key areas of input are:

- Roof and ceiling mounted equipment
- Special foundations for equipment
- Floor loadings
- Explosion relief and control
- Silos and chimney stacks
- Hazardous chemical containment
- Large and special structures

### **Safety**

We employ full time safety manager to administer our duties as designers to provide buildings that are safe to construct and use.

Our integrated approach looks at:

- Construction Safety
- Fire Safety
- Operational Issues
- Environmental Issues

### **Contact us**

#### **Ireland**

Jim Sherry

T +353 (0)1 2916700

E jim.sherry@mottmac.com

SG/06/11

**Pfizer -25,000 sq. m Pharmaceutical Tablet facility - ACEI Award**



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