



# Enterprise Ireland: Proud to support Irish businesses

At Enterprise Ireland, we work with ambitious and innovative Irish companies across all sectors to help them grow and compete internationally. Whether it's funding, capability building or advice on exporting to new markets, we have the support to help you achieve your global ambition.

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#### **Chairperson's Welcome**

The Irish Concrete Society is delighted to welcome you to its annual awards and members' dinner evening. The Society was established in 1973 to support and encourage technical excellence in concrete design and construction. We do this, in part, by offering industry formal education, technical seminars, technical guidance/support and by offering recognition of achievements through our awards scheme.

This is the 41st Irish Concrete Society Awards event. Our distinguished jury have reviewed all entries and have picked a worthy winner in each category. From these they have had to choose just one project to be the overall winner. While this evening we will honour these winners in particular, I would like to pay tribute to all who entered into the competition. The entries in the Infrastructure, Building and Element categories published in this illustrated catalogue showcase the excellence which continues to be achieved in the use of concrete in Ireland.

Our student award bears the name of the late Professor Sean de Courcy, a former chair of the Society as well as an inspirational lecturer in civil engineering in UCD. I was delighted to see a large number of entries for this award this year. This bodes well for the future of the industry as it strives to become ever more sustainable. I wish all the entrants all the very best in their future careers and endeavours.

For the eleventh time, in collaboration with Enterprise Ireland, we honour those who export technical excellence in concrete from the island of Ireland. Based on the quality of the entries into the competition, this year, as ever, we can be proud of what Irish industry is delivering internationally on high profile projects.

On behalf of the Society, I would like to thank all jury members who gave of their time and expertise to make difficult decisions on our behalf.

Finally, I would like to thank you all – members, guests and award entrants, for attending and supporting the celebration of the 41st Irish Concrete Society Awards. This is your event and I wish you a most enjoyable evening.

Mr Robert Laird

**Chair of the Irish Concrete Society** 



### The Irish Concrete Society gratefully acknowledges the support of the following organisations





















































Client Private

Architect Brennan Furlong Architects

& Urban Planners

Engineer Kavanagh Ryan & Associates

Contractor Major Supplier Izota Construction Roadstone







## BALLINTEER EDUCATE TOGETHER NATIONAL SCHOOL



BUILDING 2

Client Architect Engineer Department of Education COADY Architects DBFL Consulting Engineers

Contractor Major Supplier BAM Concast



Health Service Executive Rhatigan Architects Roughan & O'Donovan Contractor Major Supplier Boyle Construction Kerrigan Quarries







## DONORE ROAD 3DCP DEMONSTRATION BUILDING



BUILDING

Client Architect Engineer Harcourt Technologies Harcourt Architects

Cundall

Major Supplier

Mattest / Roadstone



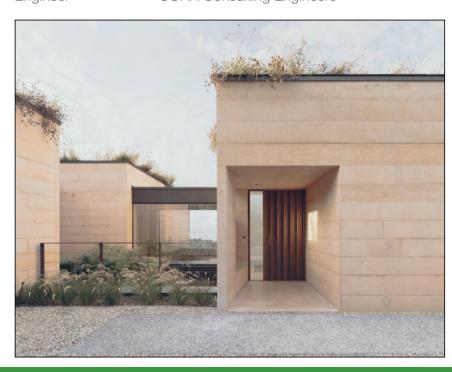
### LIVING IN A LANDSCAPE

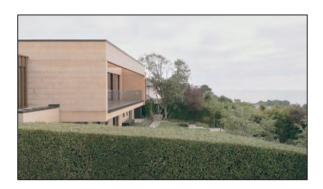


BUILDING

Client Architect Engineer Private
Arigho Larmour Wheeler Architects
CORA Consulting Engineers

Contractor Major Supplier Wallace Contracting Kilsaran







#### **CHURCH OF OAK DISTILLERY**



Client Architect Engineer Oakmount
Office of David O'Shea
JJ Campbell & Associates

Contractor Major Supplier Ormonde Construction Kilsaran





### **PRINTING HOUSE SQUARE**



BUILDING

Client Architect Trinity College Dublin McCullough Mulvin Architects / O'Mahony Pike Architects

O'Connor Sutton Cronin

Contractor Major Supplier Bennett Construction
Apex Group / Flood Precast /
Kilsaran

Engineer





Ballymore Group Reddy Architecture + Urbanism JB Barry & Partners Contractor Major Supplier Ballymore Group Flood Precast / Kilsaran



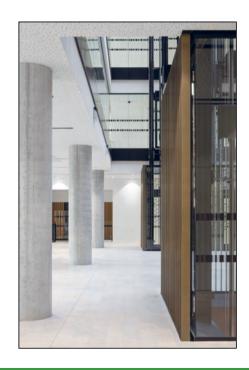


Department of Education Healy Partners Architects O'Connor Sutton Cronin Contractor Major Supplier JJ Rhatigan Kilsaran



Marlet Property Group Henry J Lyons O'Connor Sutton Cronin Contractor Major Supplier Walls Construction Kilsaran





### **UHG ONCOLOGY CENTRE**



BUILDING 1

Client Architect Health Service Executive

MCA Architects

Engineer T.J. O'Connor & Associates

Contractor

Major Supplier

John Paul Construction / RAPS

Construction Roadstone



International Rugby Experience Niall McLaughlin Architects Punch Consulting Engineers Contractor Major Supplier Flynn
O'Connell Quarries / Techrete







#### **GLENCAR HOUSE**



BUILDING 13

Client Architect Engineer Killeen Properties

Reddy Architecture + Urbanism

O'Connor Sutton Cronin

Contractor Major Supplier

Walls Construction Techrete





## GARDA SECURITY AND CRIME OPERATIONS CENTRE



BUILDING 1

Client / Architect Engineer Office of Public Works
DBFL Consulting Engineers

Contractor Major Supplier John Paul Construction Techrete



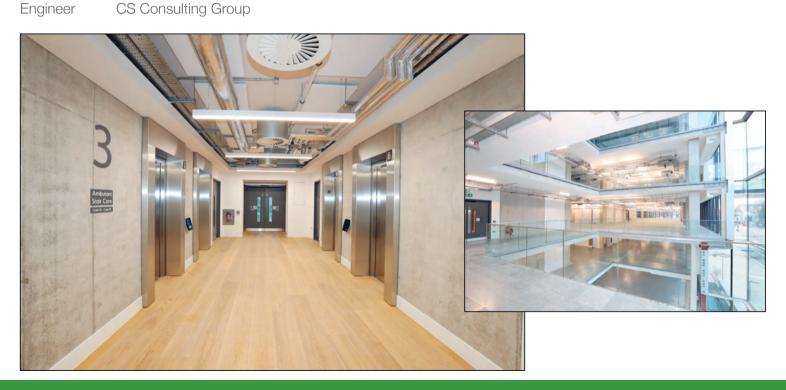
### **FIBONACCI SQUARE**



BUILDING 15

Client F Architect F

Ronan Group Henry J Lyons CS Consulting Group Contractor Major Supplier John Sisk & Son Kilsaran









### S02C ARCH BRIDGE - N22 BAILE BHUIRNE TO MACROOM BYPASS



Client Designer Engineer Transport Infrastructure Ireland
Barry Transportation
Barry Transportation / Martin Heffernan

Contractor Major Supplier Jons Civil Engineering - John Cradock JV Banagher Precast Concrete / Roadstone



#### **SAGGART RESERVOIR**



Client Uisce Éireann Designer / Engineer Ayesa

Contractor Major Supplier Coffey Banagher Precast Concrete / Kilsaran





### **HOWTH MIDDLE PIER**



Client Department of Agriculture, Food

and the Marine

Engineer MWP

Contractor Major Supplier John Sisk & Son Roadstone



## NATIONAL TRAIN CONTROL CENTRE, HEUSTON STATION



Client larnród Éireann

Arhitect larnród Éireann Architects /

Pascall+Watson

Engineer AECOM

Contractor Major Supplier Purcell Construction

Kilsaran









Client / Designer

Office of Public Works

Engineer / Major Supplier

Banagher Precast Concrete





Client Architect Alanna Homes desiun Architects / Gannon + Associates Landscape Architecture Engineer Contractor

Major Supplier

DBFL Consulting Engineers Joe Matthews Landscaping & Paving Kilsaran







### UNIVERSITY OF GALWAY STUDENT ACCOMMODATION



ELEMENT 3

Client Architect University of Galway COADY Architects / Mitchell + Associates Engineer Contractor Major Supplier Punch Consulting Engineers JJ Rhatigan / Premier Paving Kilsaran





Client Architect Spencer Place Development Company Henry J Lyons / Niall Montgomery + Partners Engineer Contractor

Major Supplier

CS Consulting Group
PJ Hegarty & Sons / O'Brien
Landscaping
Kilsaran





### **VIRGINIA TOWN CENTRE**



Client / Designer / Engineer Ca

Cavan County Council

Contractor Major Supplier S Wilkin & Sons Kilsaran







#### **DEANSGRANGE ROAD**

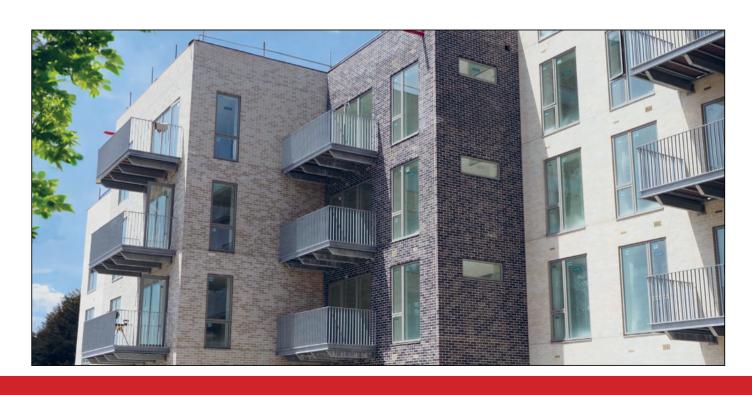


ELEMENT 6

Client Architect Homeland Group Reddy Architecture + Urbanism

Major Supplier

O'Reilly Precast



Client Architect Designer Private
Arigho Larmour Wheeler Architects
Bernard Hickie Design / Enzo
Michel Landscape Studio

Engineer Contractor Major Supplier CORA Consulting Engineers Wallace Contracting Gerry Brennan / Kilsaran







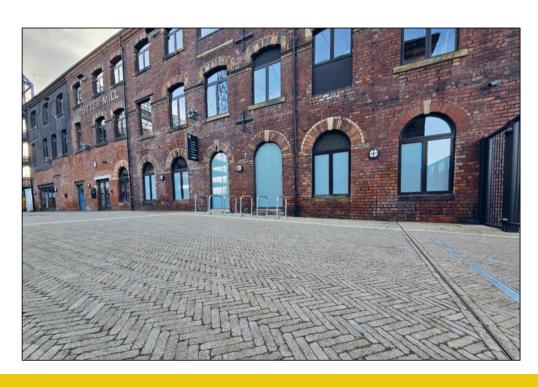




Kilsaran

Location

Wakefield, UK

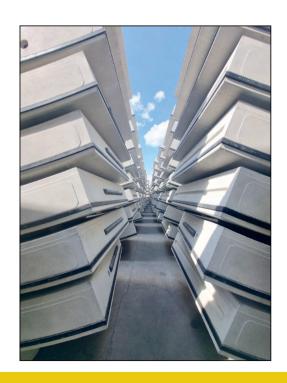




Banagher Precast Concrete

Location

London, UK





Irish Company Concast

Location

Cheshire, UK







# CARNWATH ROAD SHAFT MASS BENCHING



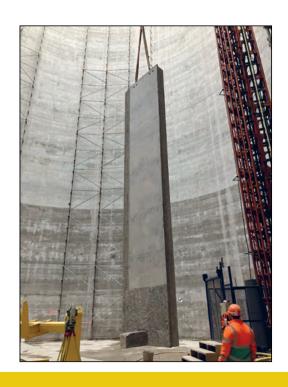
INTERNATIONAL

Irish Company

FLI Precast

Location

London, UK

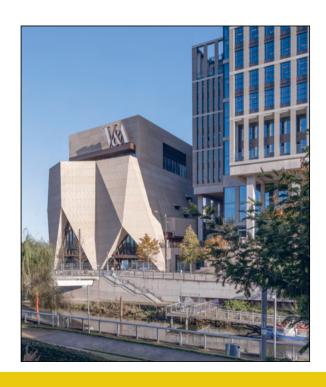




Techrete / O'Donnell+Tuomey

Location

London, UK







Techrete

Location

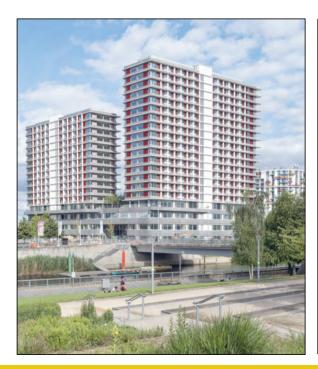
Manchester, UK



Techrete

Location

Manchester, UK









## **SEAN DE COURCY STUDENT AWARD**

- **1. Kate Brady** Munster Technological University

  Complex Stress Behaviour of Hollow Core Slabs on Rigid and Flexible Supports
- 2. David Ryan Technological University of the Shannon Fines are Finite: An Exploration of the Mechanical Properties of Concrete Incorporating Glass Cullet as a Replacement Agent for Natural Sand
- **3. John Carmody** Munster Technological University

  A Study into the Immediate and Time-Dependent Deformations on the Camber of Pre-Stressed Concrete

  Hollow Core Units
- **4. Vasudha Rani Bhagat** Trinity College Dublin Impact Resistance of Bamboo-Reinforced Epoxy Slabs
- **5. Diarmuid McCarthy** Dundalk Institute of Technology
  A Critical Assessment of the Performance of Recycled Concrete Aggregate as a Substitute for Natural Aggregate in a Model Roadbase
- **6. Niall O'Connor** University College Cork Sustainable Concrete Solutions for Irish Infrastructure
- **7. Seán Heffernan** Technological University Dublin

  The Strength Properties and Embodied Carbon of Alternative Concrete Mixes
- **8.** Jack Collins University College Dublin Precast Column Connections Under Progressive Collapse

### **AWARDS JUDGING CRITERIA**



#### Main Awards

The Award Scheme is organised to enable the Society to acknowledge construction achievements in which concrete, in any form contributes significantly to the built environment. Entries relating to the contribution made by concrete to any aspect of building, civil engineering, architecture, art or landscaping will be accepted by the Society.

#### Entries are subdivided into three categories:

• Building • Infrastructure • Element (housing or small projects e.g. walls, stairs, paving)
The jury will consider awarding special recognition for the use of concrete in a sustainable context.
There will be one overall winner chosen, with category winners in the other sections,
depending on the level and quality of entries.

#### International Award

The jury will judge entries on the basis of the following criteria:

- Technical excellence in the use of concrete displayed by the Irish entrant company.
- Demonstration of a commitment to sustainability.
- Use or development of an innovative solution to overcome a technical challenge.
- Representing a significant achievement for the Irish entrant company, illustrating both ambition and innovation in the company's overseas target markets.

<sup>\*</sup> all text taken directly from this year's competition entry forms

# **IRISH CONCRETE SOCIETY AWARDS** For more information on the Irish Concrete Society Awards please visit our website: www.concrete.ie