



PROJECT PORTFOLIO

 **HIGH RISE PRESENTATION**

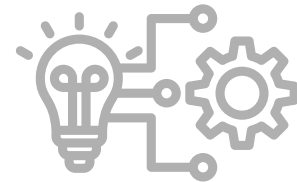
# COMPANY OVERVIEW



350 Employees in the UK & Ireland



600+ Projects in 39 Years



Class-Leading In-House Design Capability



Two Advanced Manufacturing Facilities



 Dublin | Leicester | London | North Lincs.

# DUBLIN FACILITY

## Sustainability Features



Rainwater captured on roofs & fed into storage pond for re-use in processes.



Effluent management system with recycling of aggregates & water.



640 kWp solar array, generating approx. 160,500 kWh's annually.



Geothermal energy for office building - ground source heat pump system.



Recycling plant (EcoFrog) & filter press to separate waste.



Thousands of trees planted around perimeter, encouraging wildlife to flourish.

## Manufacturing Facilities



Window fitting area.



Automated polishing plant.



Casting & Curing carried out in a controlled indoor environment.



Computerised batching plant & bar bending equipment.



Enclosed acid etching building with effluent neutralisation.



Two gantry cranes servicing our yard storage.



**AREA:** 10,700 sqm | **CAPACITY:** 75,000 sqm per year

# BRIGG FACILITY

## Sustainability Features



Rainwater captured on roofs and fed into storage pond for reuse in processes.



Effluent management system with recycling of aggregates & water.



500 kWp solar array, generating approx. 196,800 kWh's annually.



Filter press to separate waste.



Wildlife meadow to encourage flora & fauna to flourish.

## Manufacturing Facilities



Window fitting area.



Brick-cutting facility.



Casting & Curing carried out in a controlled indoor environment



Computerised batching plant & bar bending equipment.



Enclosed acid etching building with effluent neutralisation.



First carousel in the UK for architectural cladding, with 37 steel tilting tables.



**AREA:** 15,000 sqm | **CAPACITY:** 125,000 sqm per year

## > HIGH-RISE PROJECT PORTFOLIO

### DUNCAN HOUSE, STUDENT RESI.

**Contractor:** Watkin Jones

**Architect:** Hodder + Partners

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**Type & Finish:** Reconstructed stone, acid etched.

#### Project in Numbers:

- > 31 storeys, plus 9 storey podium.
  - > 1,487 panels, covering 18,500 sqm.
  - > 2,500 windows fitted at our facility in Brigg.
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**Find out more:** [www.techrete.com/project/duncan-house](http://www.techrete.com/project/duncan-house)



## > HIGH-RISE PROJECT PORTFOLIO

URBANEST, KINGS CROSS, STUDENT RESI.

**Contractor:** Mansells (Balfour Beatty)

**Architect:** Glenn Howells

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**Type & Finish:** Reconstructed stone, acid etched & grit blasted.

**Project in Numbers:**

- > 27 storeys, plus 14 storey shoulder.
  - > 1,000 panels, covering 8,000 sqm.
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**Find out more:** [www.techrete.com/project/kings-cross-urbanest](http://www.techrete.com/project/kings-cross-urbanest)



## > HIGH-RISE PROJECT PORTFOLIO

### ALTUS HOUSE, LEEDS, STUDENT RESI.

**Contractor:** RG group

**Architect:** O'Connell East

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**Type & Finish:** Reconstructed stone, acid etched & grit blasted.

#### Project in Numbers:

- > 32 storeys
  - > 1,273 panels, covering 12,139 sqm.
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**Find out more:** [www.techrete.com/project/altus-house](http://www.techrete.com/project/altus-house)



## > HIGH-RISE PROJECT PORTFOLIO

### LOMBARD WHARF, LONDON

**Contractor:** Barrett Homes

**Architect:** Patel Taylor

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**Type & Finish:** Reconstructed stone, acid etched.

#### Project in Numbers:

- > 26 storeys
  - > 1,239 panels, covering 6,413 sqm.
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**Find out more:** [www.techrete.com/project/lombard-wharf](http://www.techrete.com/project/lombard-wharf)



## > HIGH-RISE PROJECT PORTFOLIO

### VICTORIA SQUARE, WOKING

**Contractor:** Sir Robert McAlpine

**Architect:** Benoy

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**Type & Finish:** Natural stone-faced precast concrete.

**Project in Numbers:**

- > 30 & 34 storeys
  - > 641 panels, covering 7,600 sqm.
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**Find out more:** [www.techrete.com/project/victoria-square](http://www.techrete.com/project/victoria-square)



## > HIGH-RISE PROJECT PORTFOLIO

### PAN PENINSULA, LONDON

**Contractor:** Ballymore Properties

**Architect:** Skidmore Owings & Merrill

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**Type & Finish:** Reconstructed stone, acid etched.

#### Project in Numbers:

> 50 & 40 storeys.

> 1,900 panels, covering 18,000 sqm.

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**Find out more:** [www.techrete.com/project/pan-peninsula](http://www.techrete.com/project/pan-peninsula)



## > HIGH-RISE PROJECT PORTFOLIO

### BRIDGEWATER PLACE, LEEDS

**Contractor:** Lendlease

**Architect:** Aedas

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**Type & Finish:** Reconstructed stone, acid etched.

**Project in Numbers:**

- > 32 storeys.
  - > 1,050 panels, covering 11,000 sqm.
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**Find out more:** [www.techrete.com/project/bridgewater-place](http://www.techrete.com/project/bridgewater-place)



## > HIGH-RISE PROJECT PORTFOLIO

### G3, WOOD WHARF, LONDON

**Contractor:** Canary Wharf

**Architect:** Allies & Morrison

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**Type & Finish:** Reconstructed stone, polished.

#### Project in Numbers:

- > 28 storeys.
  - > 307 panels, covering 3,857 sqm.
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**Find out more:** [www.techrete.com/project/wood-wharf-g3](http://www.techrete.com/project/wood-wharf-g3)



## > HIGH-RISE PROJECT PORTFOLIO

### THE ROBINSON, WEMBLEY PARK

**Contractor:** John Sisk & Son

**Architect:** PRP

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**Type & Finish:** Brick-faced & reconstructed stone, acid etched.

**Project in Numbers:**

- > 21 storeys.
  - > 1,610 panels, covering 17,500 sqm.
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**Find out more:** [www.techrete.com/project/e05-wembley-park](http://www.techrete.com/project/e05-wembley-park)



## > HIGH-RISE PROJECT PORTFOLIO

### 4A & 4B SOUTHBANK PLACE, LONDON

**Contractor:** Canary Wharf

**Architect:** Squire & Partners

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**Type & Finish:** Reconstructed stone, acid etched.

**Project in Numbers:**

> 32 & 28 storeys.

> 1,143 panels, covering 14,000 sqm (combined).

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**Find out more:** [www.techrete.com/project/southbank-place](http://www.techrete.com/project/southbank-place)



## > HIGH-RISE PROJECT PORTFOLIO

### ORCHARD WHARF, LONDON

**Contractor:** CJ O'Shea Contracting

**Architect:** BUJ Architects

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**Type & Finish:** Brick-faced precast concrete.

**Project in Numbers:**

- > 22 storeys, stepped down incrementally.
  - > 928 panels, covering 8,009 sqm.
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**Find out more:** [www.techrete.com/project/orchard-wharf](http://www.techrete.com/project/orchard-wharf)



## > HIGH-RISE PROJECT PORTFOLIO

### 10 THE BROADWAY, WESTMINSTER

**Contractor:** Multiplex

**Architect:** Squire & Partners

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**Type & Finish:** Reconstructed stone & GRC, acid etched & grit blasted finish.

#### **Project in Numbers:**

> 19 storeys.

> 1,311 panels, covering 13,431 sqm.

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**Find out more:** [www.techrete.com/project/10-the-broadway](http://www.techrete.com/project/10-the-broadway)



## > HIGH-RISE PROJECT PORTFOLIO

### UCL POOL ST, STUDENT ACCOMMODATION

**Contractor:** Vinci Construction

**Architect:** Lifschutz Davidson Sandilands

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**Type & Finish:** Reconstructed stone, GRC, acid etched & grit blasted

#### Project in Numbers:

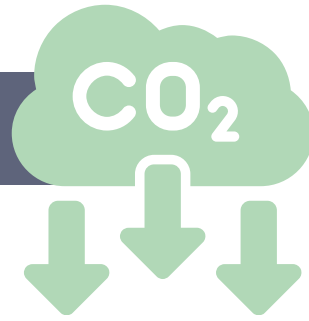
- > 20 storeys including 4 storey podium
  - > 1,136 panels, covering 16,530 sqm.
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**Find out more:** [www.techrete.com/project/ucl-east-pool-st-west](http://www.techrete.com/project/ucl-east-pool-st-west)



# ROUTE TO NET ZERO CARBON EMISSIONS

## 1. Reduce Embodied Carbon

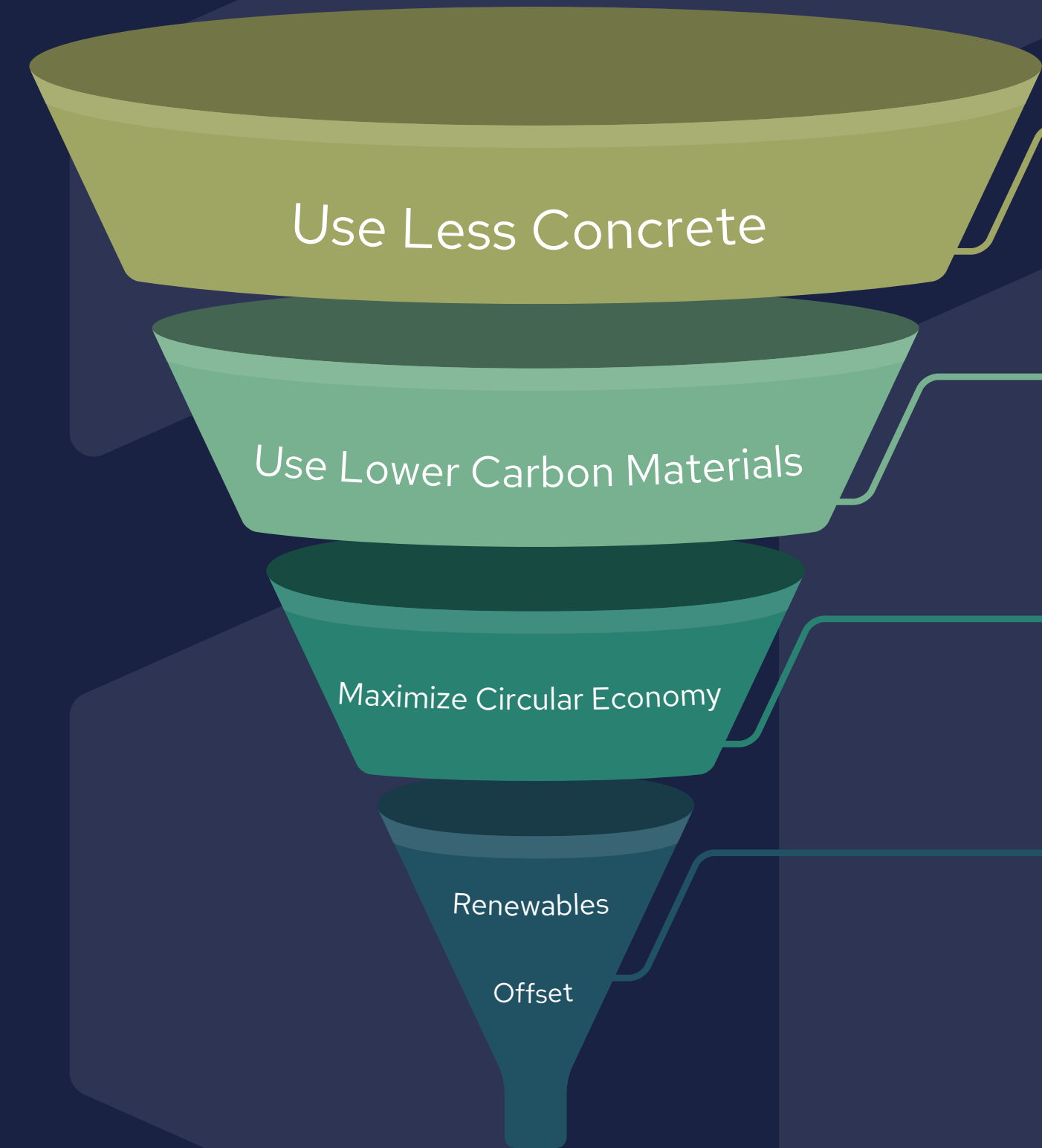


### 1a. Use Less Concrete

- Efficient panel design, unit geometry & degree of repetition.
- 50% thinner sections, using higher strength concrete.
- Early engagement is required.

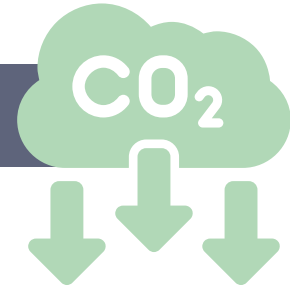
### 1b. Use Lower Carbon Materials

- Use less carbon-heavy clinker in our mixes
- Employ supplementary cementitious materials (SCM's) to reduce carbon load by 50%
- New concrete standards were introduced in Q4 2023, greatly enhancing cement replacement options.



# > ROUTE TO NET ZERO CARBON EMISSIONS

## 2. Reduce Operational Carbon



### 2a. Recycling & Harvesting of Water

- Currently, 25% of our water consumption is recycled water.
- 2 wells with pumps will provide 100% of our water requirements in Dublin from Q3 2024.

### 2b. Renewable Energy

- Combined solar array capacity of 1,140kWp generating 50% of our energy needs.
- Ground source heat pump for Dublin office.

### 2c. Recycling of Waste & Responsible Sourcing

- Use of recycled aggregates, steel & sustainably sourced timber
- Developing novel products which incorporate waste materials.

### 2d. Biodiversity & Improving Natural Habitats

- Thousands of trees planted around our factory perimeters.



# › ROUTE TO NET ZERO CARBON EMISSIONS

## COMMITMENT TO SUSTAINABILITY

### 1. Investment in Research & Development

- Investing significantly in R&D to reduce our embodied carbon further.
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### 2. Environmental Product Declarations

- Proudly the first private company to publish an EPD for architectural precast concrete.
  - Developing a range of product specific EPD's.
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### 3. Voluntary Carbon Offsets

- Offset a portion of our emissions through Gold Standard.
- Providing energy efficient cookstoves in developing countries.

**Find out more:** [www.techrete.com/sustainability](http://www.techrete.com/sustainability)

## SUSTAINABILITY CREDENTIALS

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- › ISO 50001 - Energy Management
- › ISO 14001 - Environmental Management
- › BES 6001 - Responsible Sourcing - Highest Rating
- › British Precast Sustainability Charter - Annual Audit

# > CERTIFICATIONS



ENERGY  
ISO 50001:2018  
NSAI Certified

> ISO 50001 - ENERGY



ENVIRONMENT  
ISO 14001:2015  
NSAI Certified

> ISO 14001 - ENVIRONMENT



QUALITY  
ISO 9001:2015  
NSAI Certified

> ISO 9001 - QUALITY



HEALTH  
& SAFETY  
ISO 45001:2018  
NSAI Certified

> ISO 45001 - H&S



READY-MIX  
CONCRETE  
I.S.EN 206:2013  
NSAI Certified

> IS EN 206 - CONCRETE



> SUSTAINABILITY CHARTER



> BUILDING REGULATIONS



> HEALTH & SAFETY



> HIGHEST RATING



> ADVANCED MEMBER



> AEO AUTHORISED

