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Challenge, Change, Learn

Welcome to TechLive 2022

by CitA, Ireland's premier multidisciplinary construction network.

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How the **Build Digital** Project will make a difference

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Answering your questions about the **Build Digital** Project?

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Robert Moore

Project Lead

project lead in **Build Digital** Project since February 2022. Involved in the **AEC industry since 1995**, Previously worked **client-side in the public sector** with the Grangegorman Development Agency (GDA).

first class honours in **MSc in Construction Informatics** has published three papers, two on information process standards and a third paper on the Irish digital transformation roadmap.

coauthored ISO Technical Report ‘CEN/TR 17654:2021’ a guideline for the **implementation of EIR and BEP**

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Why is the **Build Digital** Project important?

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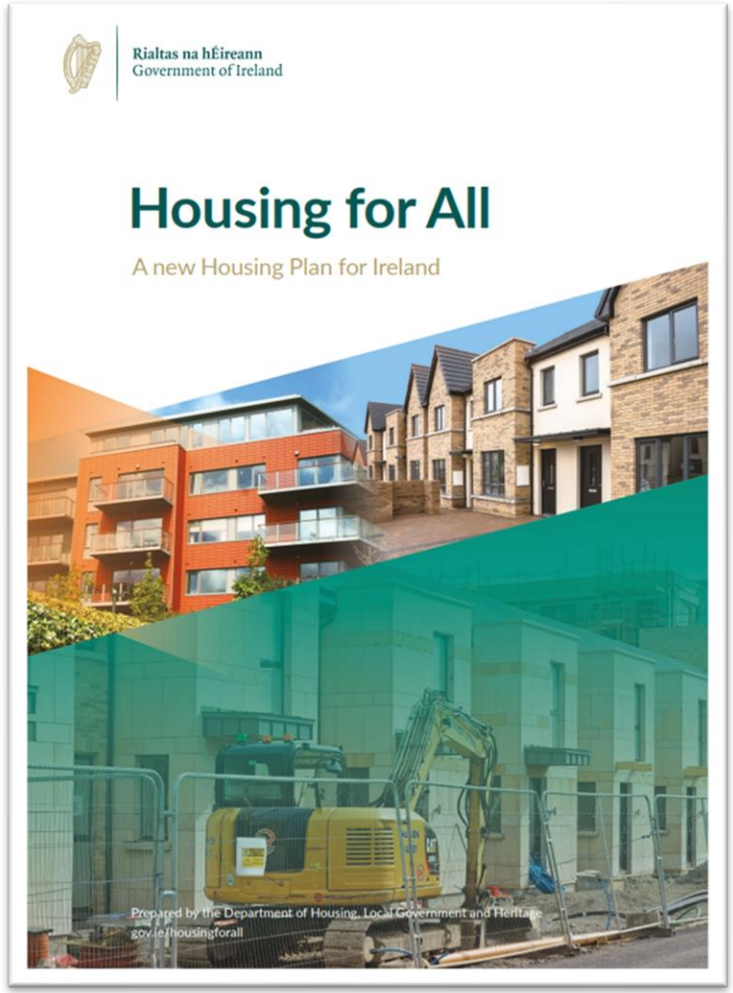

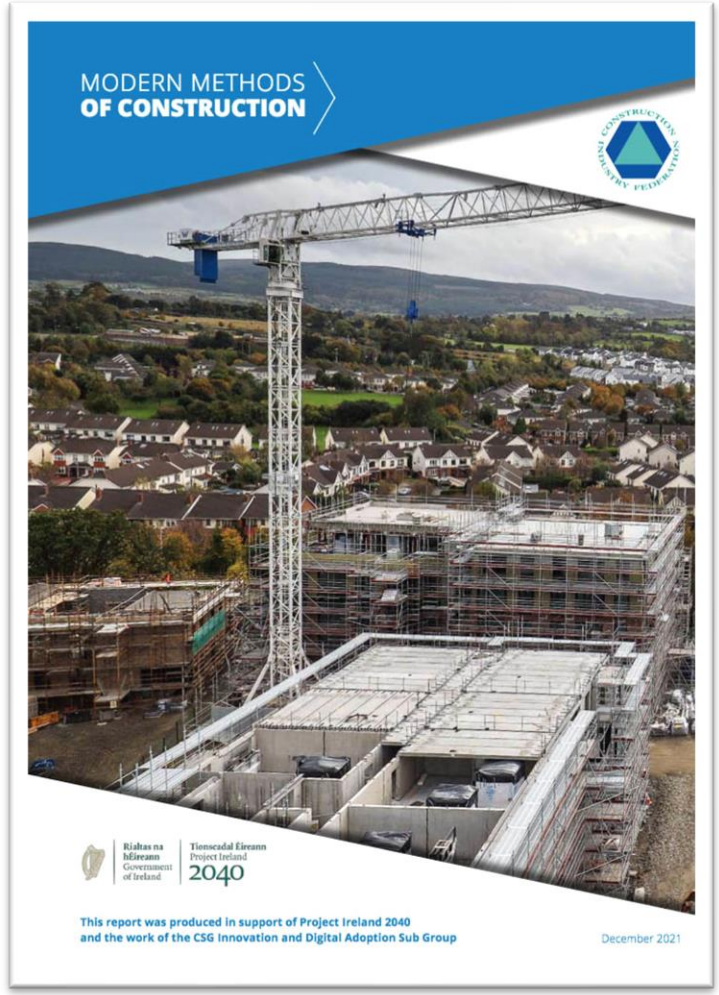

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What problems will the **Build Digital** Project work to solve?

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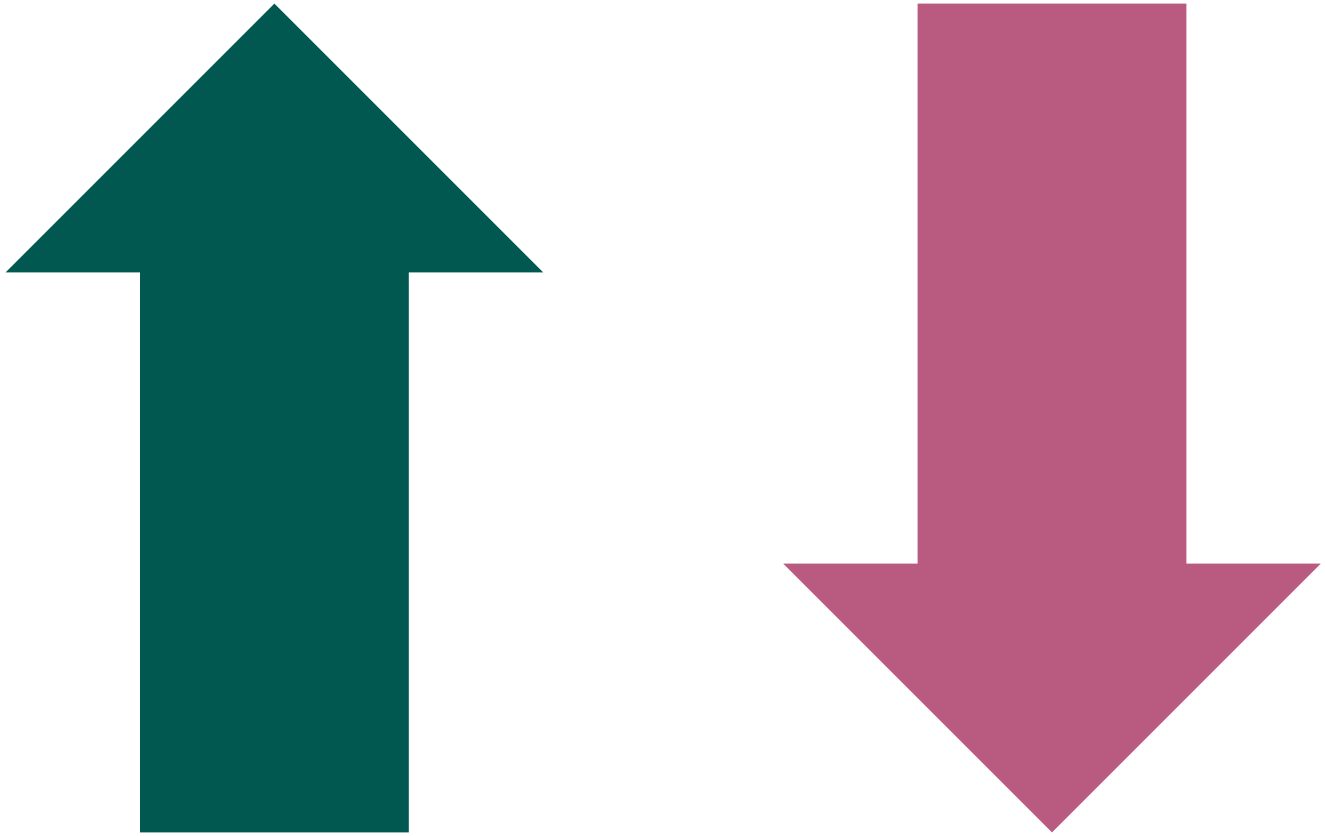

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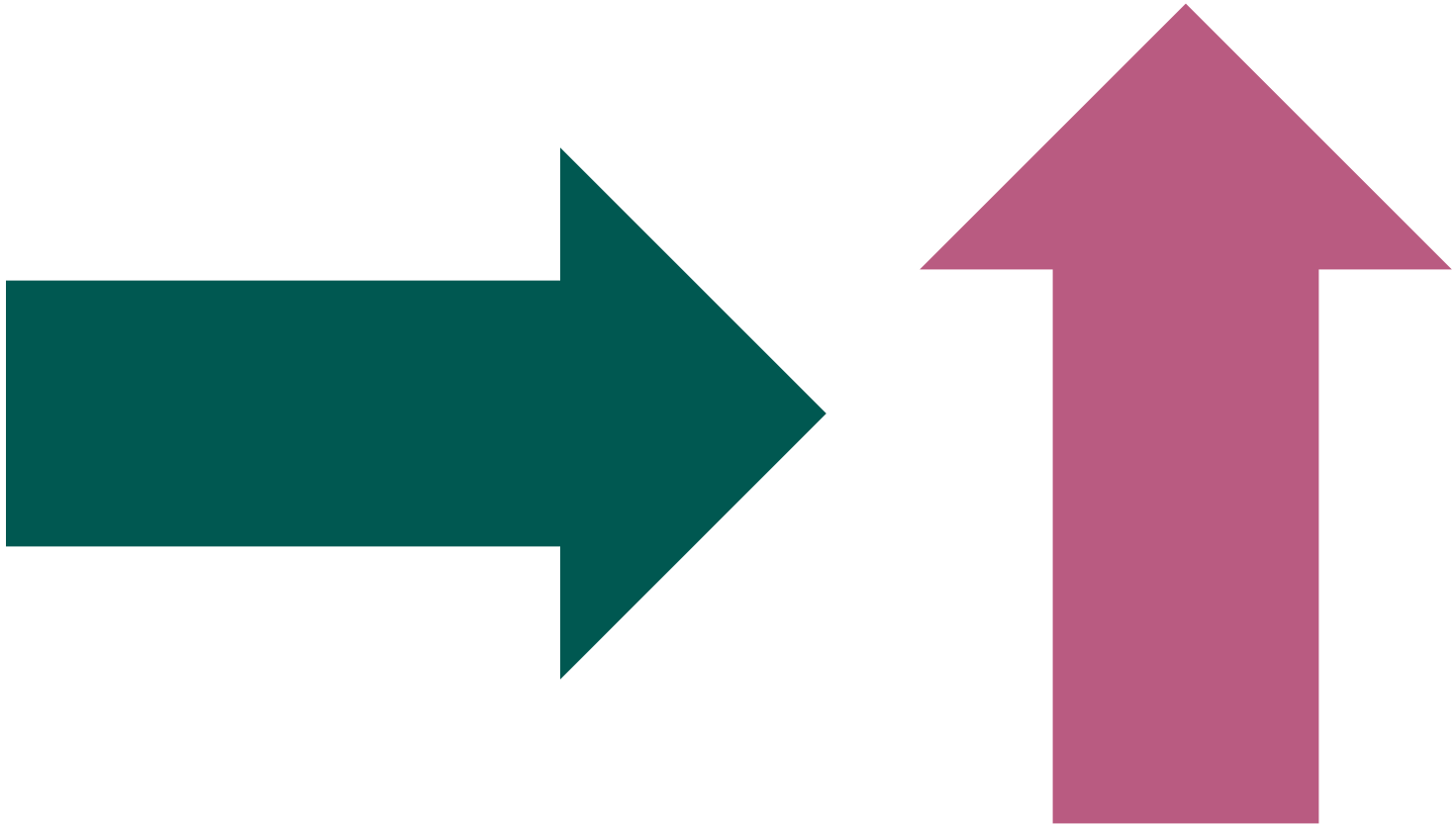

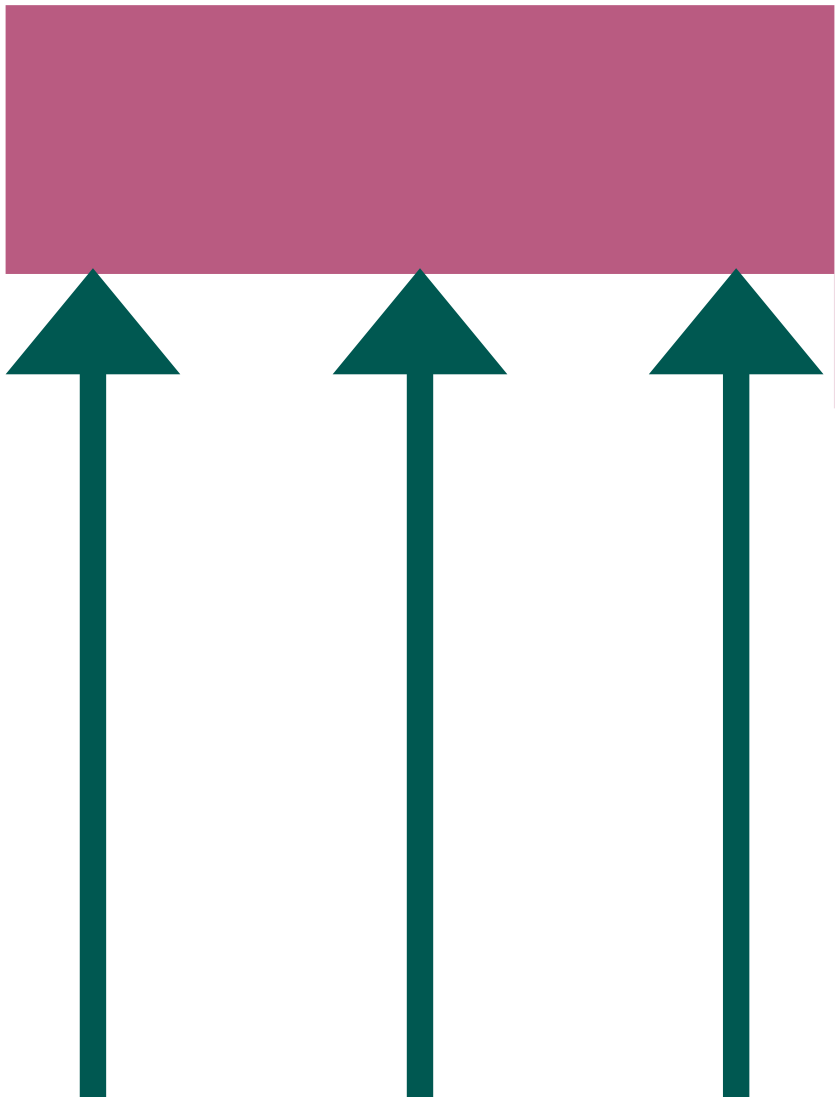

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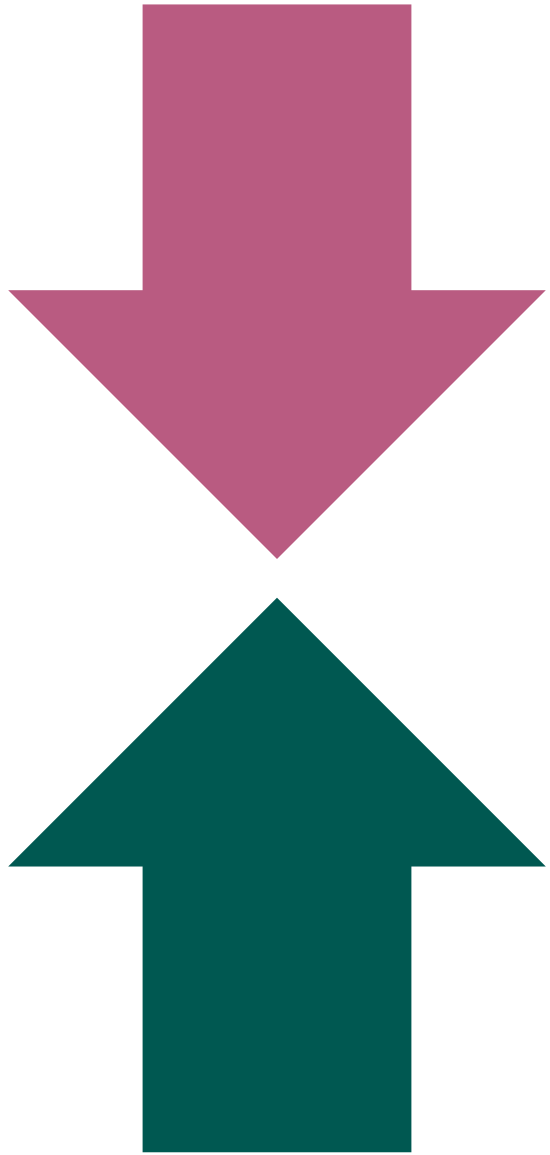

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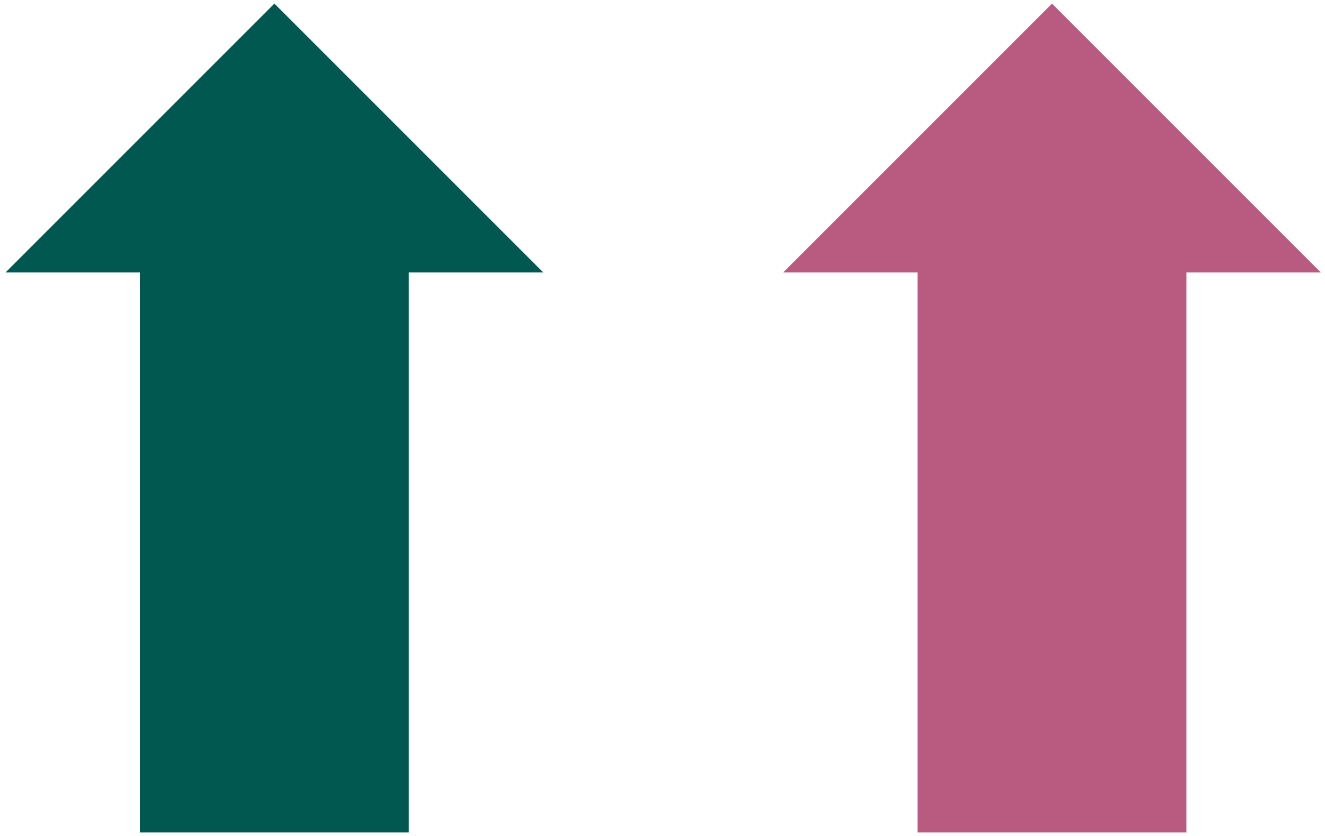

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What challenges does the **Build Digital** Project aim to overcome?

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Fear of change

Low productivity of projects and assets

Lack of supporting information and materials

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What is the **Build Digital** Project?

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The Digital Leadership & Cultural Change pillar's role is to drive the **culture change** required to realise **digital transformation** in support of innovative, effective, and sustainable evolution in **mindset and practice** within the sector. Delivering **toolkits** and **supports** for good practice.

The Digital Standards pillar will champion the benefits of a **common language, rules, guidelines, and workflows** to a reduction in cost, rework, and disputes.

The Digital Education & Training pillar will support the development of relevant knowledge and abilities to collectively **advance the design, construction, and life-cycle management of the built environment**.

The Digital Procurement pillar will adapt national and international **best practice in sustainable digital procurement** into supports that will enable SMEs to adopt **agile, digitally enabled, sustainable procurement practices**.

The Sustainability & Climate Action pillar will **produce toolkits** to enable the **circular economy, prioritise the designing out of waste** and the retention of utility for as long as possible.

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Build Digital Project will engage with people

Leadership forum

Annual survey

1/2 yearly event

Annual conference

Living Labs

Workshops

Regional engagement activities

Irish Build Digital Exchange Hub

Social media

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Build Digital Project will be sharing materials with people

Ireland Build Digital Exchange Hub and showcased at all events

- Toolkits
  - Information Management toolkits
  - Digital construction product supply chain toolkits
  - Digitalisation for a Circular Economy (DiCE) toolkits
- Guidelines
  - Irish (BIM) Information Management Framework
  - Guidelines on Standards
  - Recommended workflows
  - Templates
- Case studies
  - Exemplars
- Training and educational materials
- Reports
  - Annual impact review report
  - Survey findings

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The **Build Digital** Project will bring people together

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The **Build Digital** Project needs to work with people

People solve problems

People drive change

People help people

People will deliver the Build Digital Project

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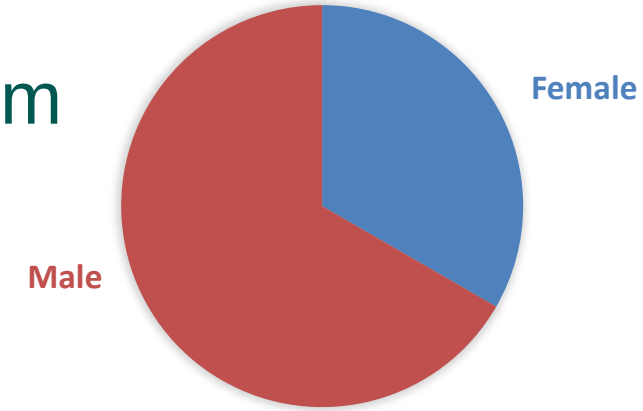
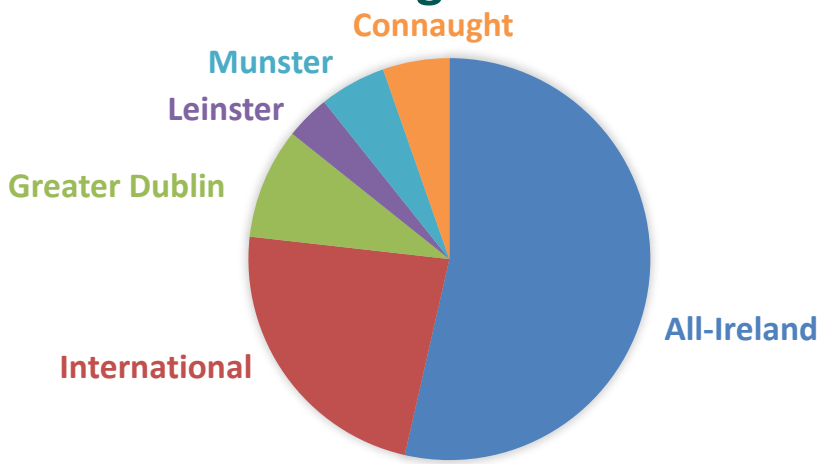
Our Industry Forum

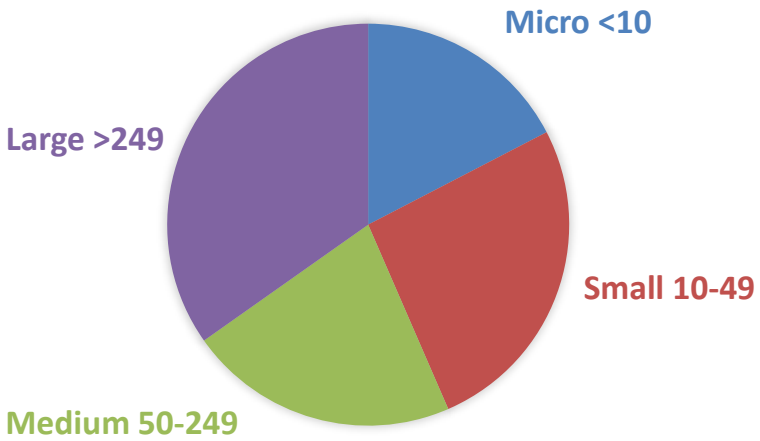
Gender



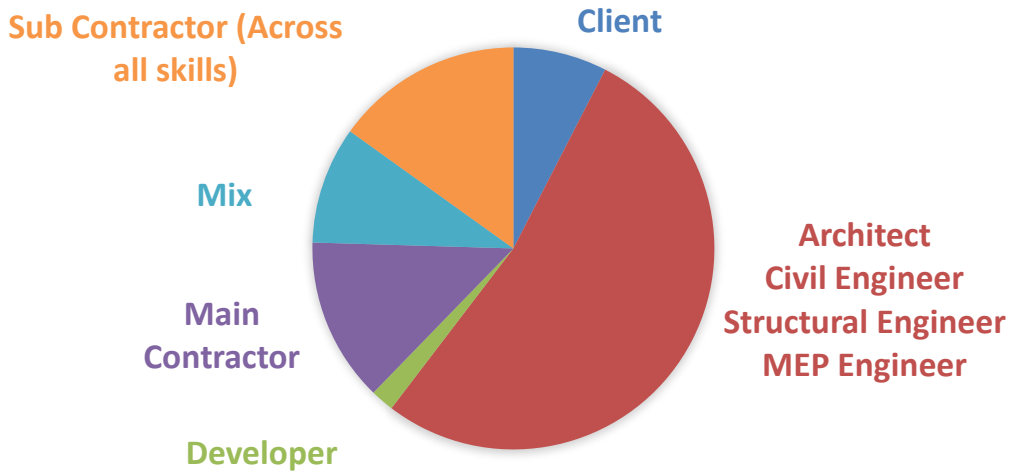
Region



Employer Scale



Company Types



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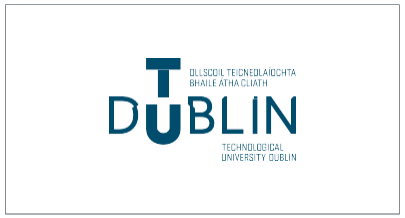
Our partners



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Our Team

Robert Moore

Project Lead

Pat Lucey

Steering Group Chair & Industry Lead

Avril Behan

Project Director

Suzanne Purcell

PMO Lead

David Bourke

Digital Standards

Claire Eriksson

Digital Procurement

Joe Harrington

Digital Education & Training

Alan Hore

Digital Procurement

Mark Kelly

Sustainability & Climate Action

Barry McAuley

Digital Standards

Ted McKenna

Digital Leadership & Cultural Change

Ciaran McNally

Digital Procurement

Róisín Murphy

Digital Leadership & Cultural Change

James O'Donnell

Sustainability & Climate Action

Derek Sinnott

Sustainability & Climate Action

Ken Thomas

Digital Education & Training

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Construction Sector Group

Construction Sector Innovation and Digital Adoption Group – Chair PJ Rudden

DPER | Eng. Ire. | BMF | RIAI | CIF | Ent. Ire. | NSAI | DBEI | SCSI | LGMA/LAs | ACEI

Innovation 7 Actions - Project Team – Chair PJ Rudden

1. Construction Research
2. Productivity and Sustainability Funding
3. Modern Methods of Construction (MMC)
4. Construction Technology Centre
5. Construction Skillnet
6. ePlanning
7. **Build Digital**

Housing for All, Circular Economy, Sustainability

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How will the **Build Digital** Project helping people?

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26°C
THERMO TEMP
85°C
SET TEMP
RARE
HAM
MEDIUM
WELL
ThermoPro

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What could **Build Digital** Project materials look like?

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Deliverables Schedule

Order	Document Name									Object (Classification Name)	File Name (Hyperlink)	Title	Format	Current Revision Date	A2b
Order	Project	Originator	Volumes and system	Levels and location	Type	Role	Classification	Number	Description	*Object (Classification Name)*	*File Name*				20200819
1	08WQ	BLL	ZZ	00	DR	YL	Ss_70_80_33_35	1000	LightingPlan	*Hardwired general lighting systems*	08WQ-BLL-ZZ-00-DR-YL-Ss_70_80_33_35-1000-LightingPlan.pdf	Lighting Plan Level 00	.pdf	20200819	A2b-D01
2	08WQ	BLL	ZZ	01	DR	YL	Ss_70_80_33_35	1001	LightingPlan	*Hardwired general lighting systems*	08WQ-BLL-ZZ-01-DR-YL-Ss_70_80_33_35-1001-LightingPlan.pdf	Lighting Plan Level 01	.pdf	20200819	A2b-D01
3	08WQ	BLL	ZZ	02	DR	YL	Ss_70_80_33_35	1002	LightingPlan	*Hardwired general lighting systems*	08WQ-BLL-ZZ-02-DR-YL-Ss_70_80_33_35-1002-LightingPlan.pdf	Lighting Plan Level 02	.pdf	20200819	A2b-D01
4	08WQ	BLL	ZZ	03	DR	YL	Ss_70_80_33_35	1003	LightingPlan	*Hardwired general lighting systems*	08WQ-BLL-ZZ-03-DR-YL-Ss_70_80_33_35-1003-LightingPlan.pdf	Lighting Plan Level 03	.pdf	20200819	A2b-D01
5	08WQ	BLL	ZZ	04	DR	YL	Ss_70_80_33_35	1004	LightingPlan	*Hardwired general lighting systems*	08WQ-BLL-ZZ-04-DR-YL-Ss_70_80_33_35-1004-LightingPlan.pdf	Lighting Plan Level 04	.pdf	20200819	A2b-D01
6	08WQ	BLL	ZZ	05	DR	YL	Ss_70_80_33_35	1005	LightingPlan	*Hardwired general lighting systems*	08WQ-BLL-ZZ-05-DR-YL-Ss_70_80_33_35-1005-LightingPlan.pdf	Lighting Plan Level 05	.pdf	20200819	A2b-D01
7	08WQ	BLL	ZZ	B1	DR	YL	Ss_70_80_33_35	1009	LightingPlan	*Hardwired general lighting systems*	08WQ-BLL-ZZ-B1-DR-YL-Ss_70_80_33_35-1009-LightingPlan.pdf	Lighting Plan Level B1	.pdf	20200819	A2b-D01
8	08WQ	BLL	ZZ	ZZ	SP	YL	Ss_70_80_33_35	4010	Specification	*Hardwired general lighting systems*	08WQ-BLL-ZZ-ZZ-SP-YL-Ss_70_80_33_35-4010-Specification.pdf	LED Lighting	.pdf	20200819	A2b-D01
9	08WQ	BLL	ZZ	ZZ	SP	YL	Ss_70_80_33_35	4020	Specification	*Hardwired general lighting systems*	08WQ-BLL-ZZ-ZZ-SP-YL-Ss_70_80_33_35-4020-Specification.pdf	LED Lighting	.pdf	20200819	A2b-D01
10	08WQ	BLL	ZZ	ZZ	SP	YL	Ss_70_80_33_35	4021	Specification	*Hardwired general lighting systems*	08WQ-BLL-ZZ-ZZ-SP-YL-Ss_70_80_33_35-4021-Specification.pdf	LED Lighting	.pdf	20200819	A2b-D01
11	08WQ	BLL	ZZ	ZZ	SP	YL	Ss_70_80_33_35	4030	Specification	*Hardwired general lighting systems*	08WQ-BLL-ZZ-ZZ-SP-YL-Ss_70_80_33_35-4030-Specification.pdf	LED Lighting	.pdf	20200819	A2b-D01
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23	08WQ	BLL	ZZ	ZZ	SP	YL	Ss_70_80_33_35	4100	Specification	*Hardwired general lighting systems*	08WQ-BLL-ZZ-ZZ-SP-YL-Ss_70_80_33_35-4100-Specification.pdf	LED Lighting	.pdf	20200819	A2b-D01
24	08WQ	MFS	ZZ	ZZ	SP	YFD	Ss_25_60_35	9001	Specification	*Glazing systems*	08WQ-MFS-ZZ-ZZ-SP-YFD-Ss_25_60_35-9001-Specification.pdf	Façade Specification	.pdf	20200819	A2b-D01
25	08WQ	AWN	ZZ	ZZ	RP	YA	En_25_10_60	9001	AcousticSpecification	*Tertiary educational buildings*	08WQ-AWN-ZZ-ZZ-RP-YA-En_25_10_60-9001-AcousticSpecification.pdf	Acoustic Specification	.pdf	20200819	A2b-D01
26	08WQ	FLN	ZZ	00	DR	YF	En_25_10_60	0001	SitePlan	*Tertiary educational buildings*	08WQ-FLN-ZZ-00-DR-YF-En_25_10_60-0001-SitePlan.pdf	Site Plan	.pdf	20200819	A2b-D01
27	08WQ	FLN	ZZ	00	DR	YF	En_25_10_60	0002	BlockPlan	*Tertiary educational buildings*	08WQ-FLN-ZZ-00-DR-YF-En_25_10_60-0002-BlockPlan.pdf	Block Plan	.pdf	20200819	A2b-D01
28	08WQ	FLN	ZZ	XX	DR	YF	En_25_10_60	0010	Legend	*Tertiary educational buildings*	08WQ-FLN-ZZ-XX-DR-YF-En_25_10_60-0010-Legend.pdf	Legend	.pdf	20200819	A2b-D01
29	08WQ	FLN	ZZ	B1	DR	YF	En_25_10_60	1009	CompartmentPlan	*Tertiary educational buildings*	08WQ-FLN-ZZ-B1-DR-YF-En_25_10_60-1009-CompartmentPlan.pdf	Compartment Plan	.pdf	20200819	A2b-D01
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Finally, a disconnect between the theory and practice and potential 'BIM/Digital bubbles' must be avoided. The project must have a strong focus on practical adoption across all sectors of the industry.

The **Build Digital** Project has the right structures in place to deliver a practical approach based on best-in-class international theory and Irish industry experience.

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Website: www.builddigitalproject.ie

LinkedIn: Build Digital Project

Twitter: @BuildDigitalPrj

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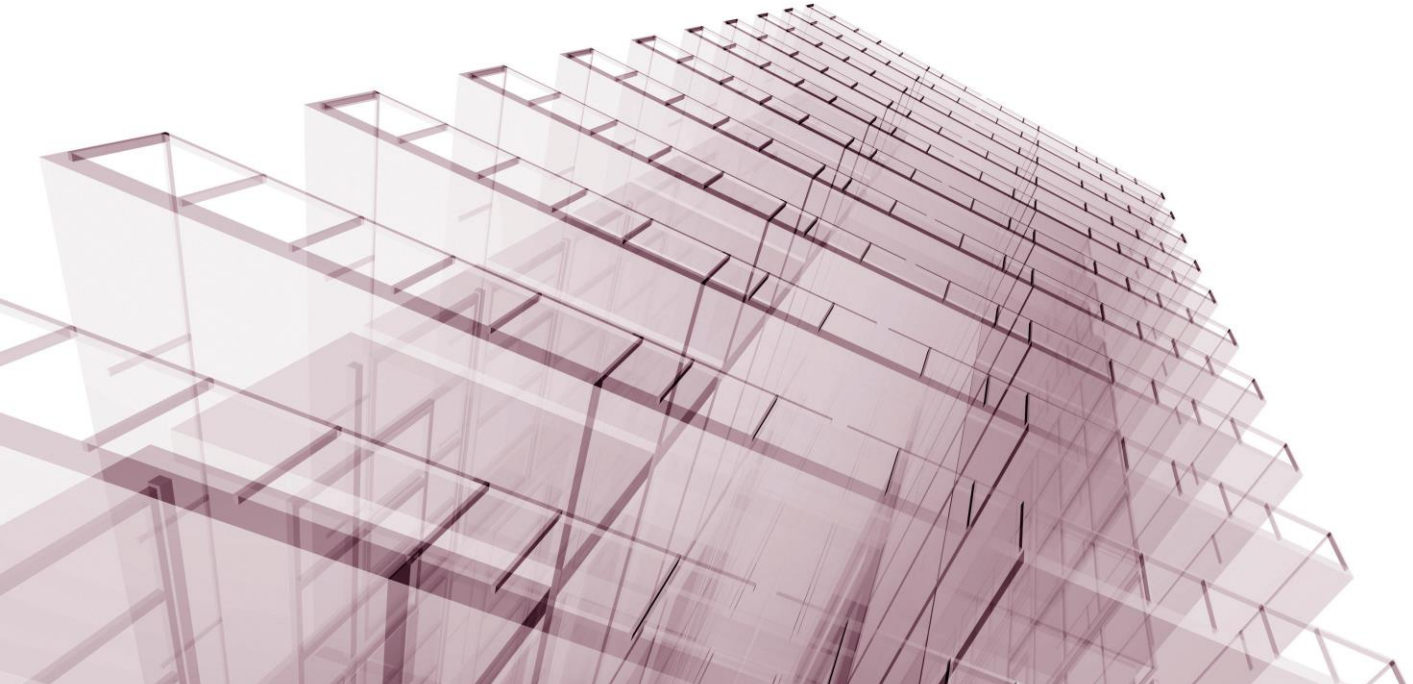

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Thank you