

# CitA Waterford BIM Regions Meeting

Granville Hotel, Meagher's Quay, Waterford, 21<sup>ST</sup> March, 2018



**The BIM Collective Research Group**



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# BIM@WIT.ie

A suite of integrated services in conjunction with core programmes to help Irish companies and public bodies adopt Building Information Modeling (BIM) Technologies.

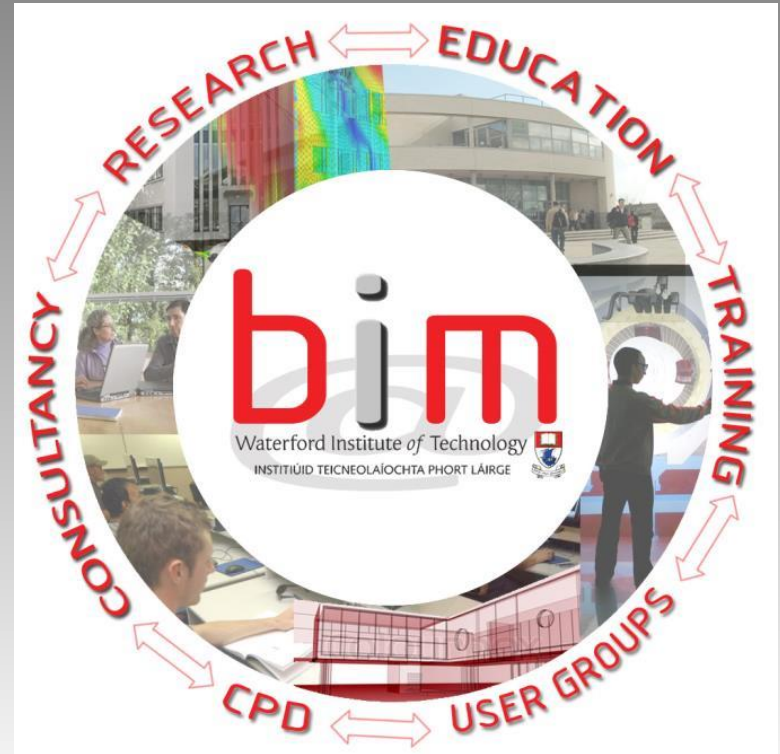
These services include Education, CPD, Training, Consultancy, Research and User Group Meetings

BSc. (Hons) Architectural & BIM Technology

Higher Diploma in BIM

Autodesk Authorised Training Centre (ATC)

BIM Collective Research Group

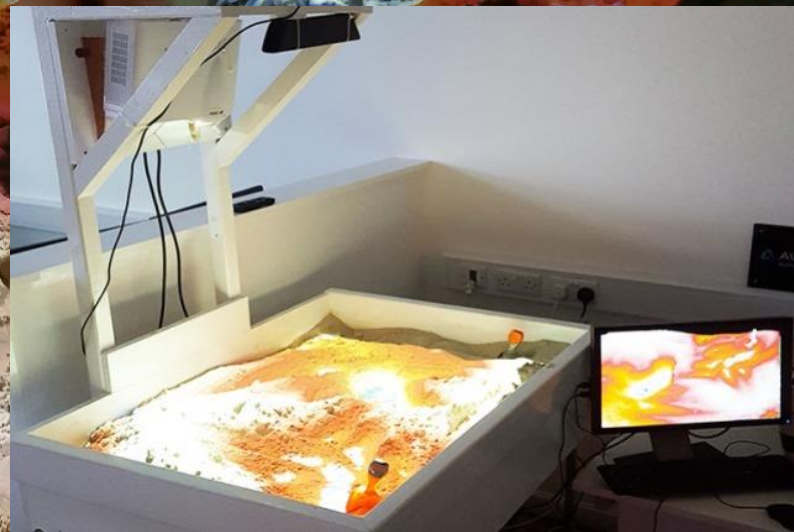


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## Fields of Interest:

- BIM authoring tools, standards, methodologies
- Authorised Autodesk Training Centre
- Thermal Bridging Analysis
- Immersive Technologies: VR, AR & MR
- High Definition Drone aerial
- Photogrammetry
- HBIM: Historic Building Information Modelling
- .....



## Research Funding:

- Enterprise Ireland Innovation Voucher
- Enterprise Ireland Innovation Partnerships
- Enterprise Ireland Commercialisation Fund
- Enterprise Ireland Competitive Start Fund
- Horizon 2020: SME Instrument 2017

ENTERPRISE  
IRELAND  
where innovation means business



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# BIMC Lab

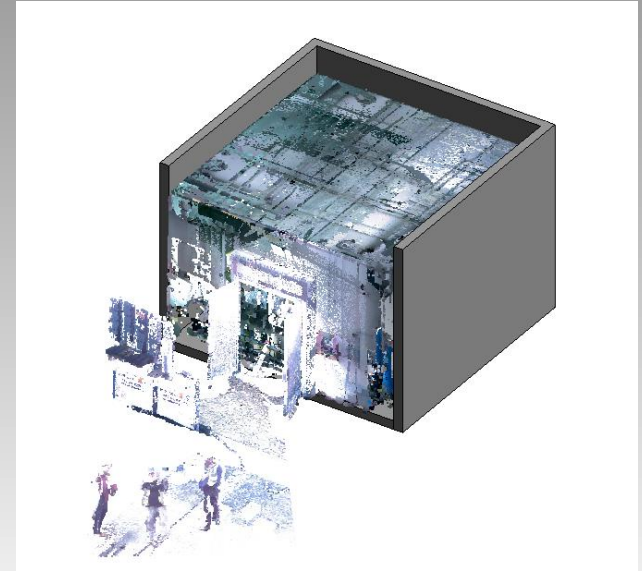
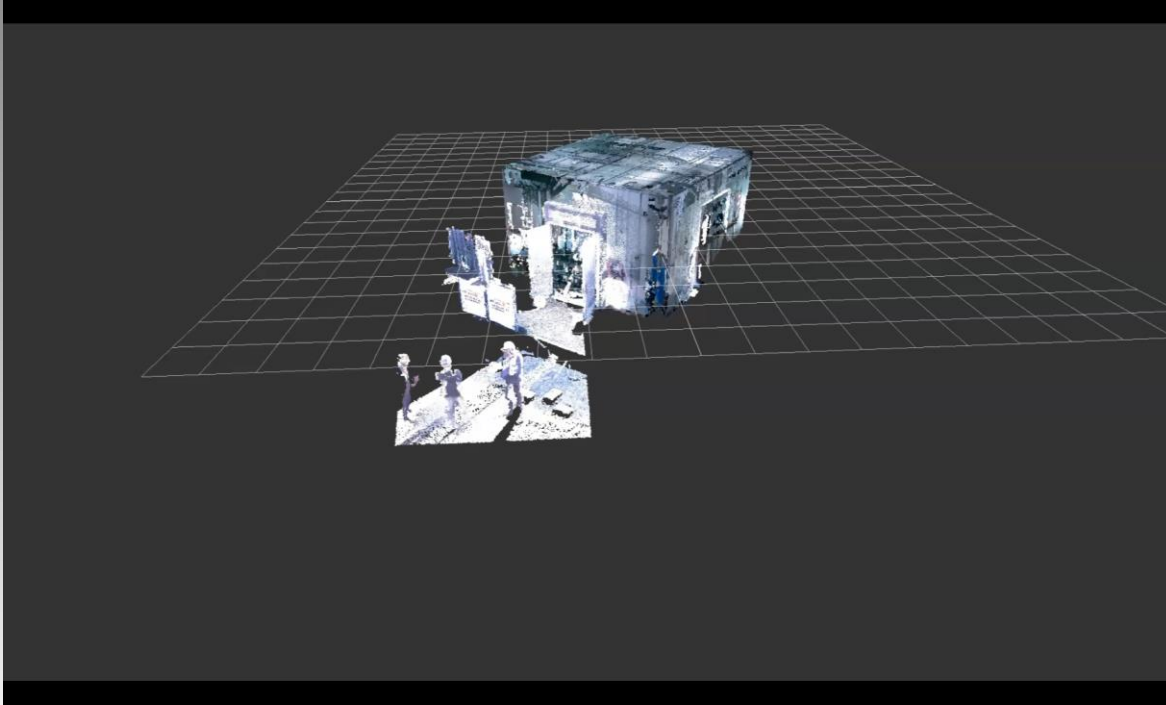


# Recent Events





# Scan to BIM Workflow

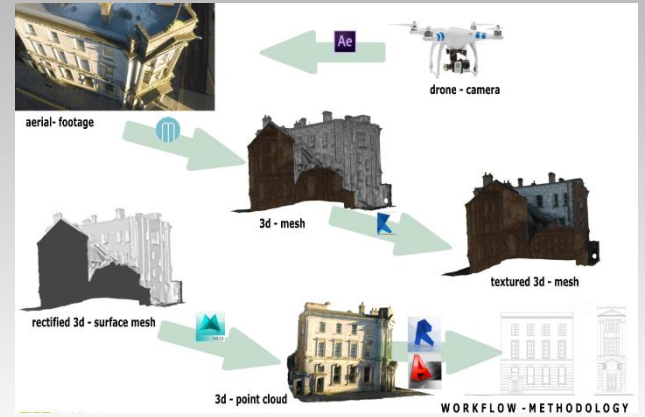
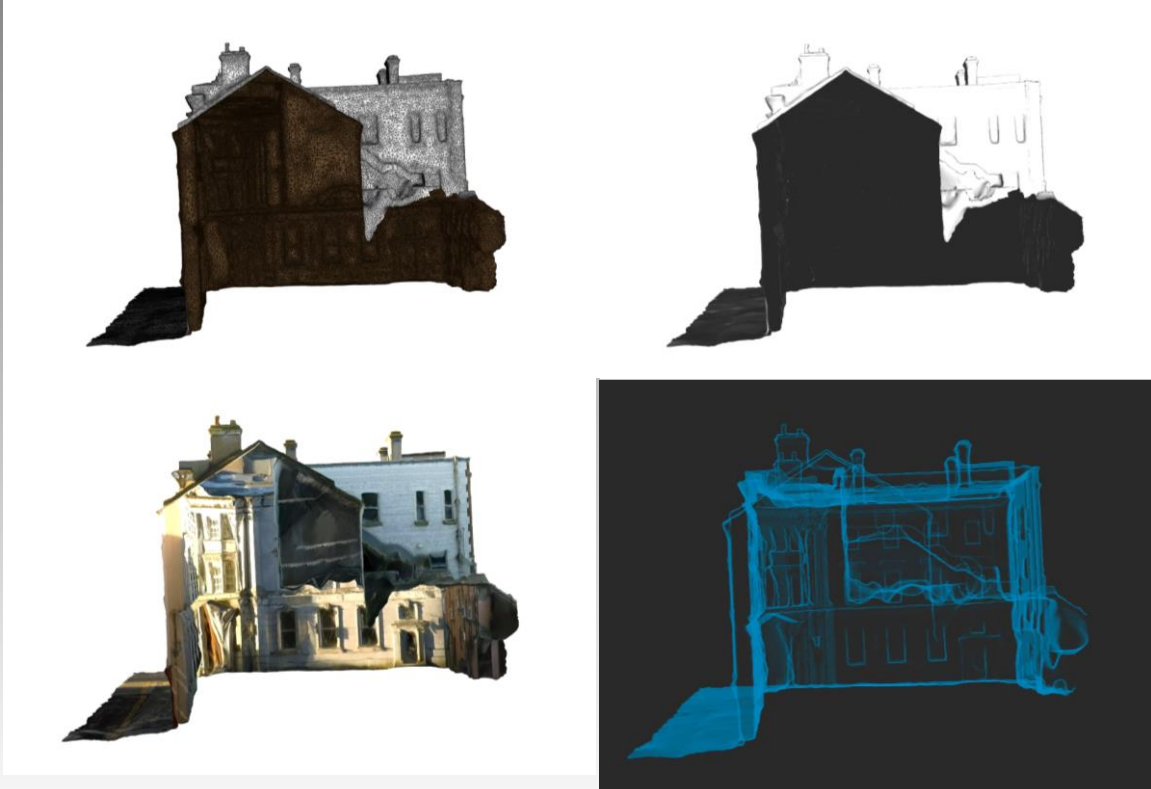


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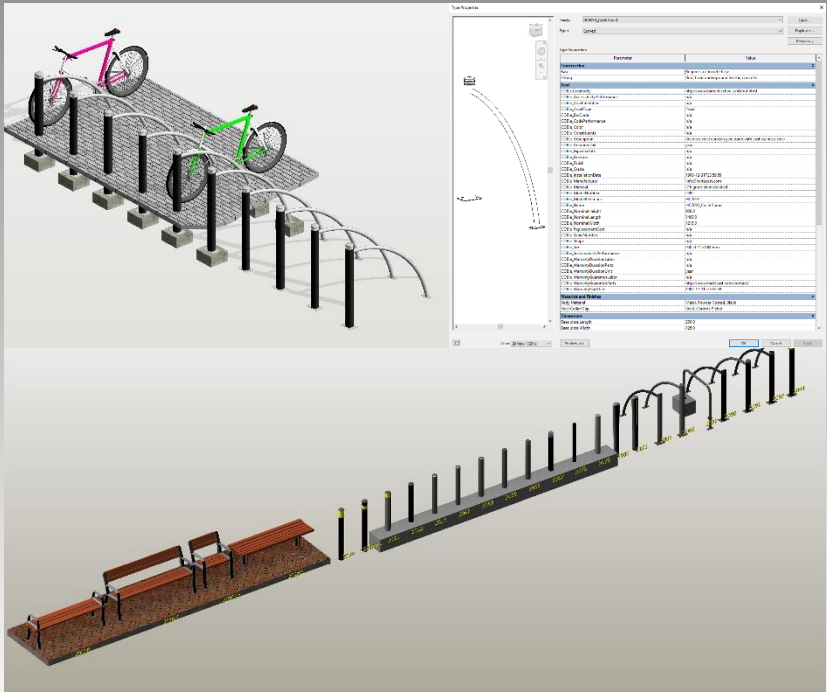
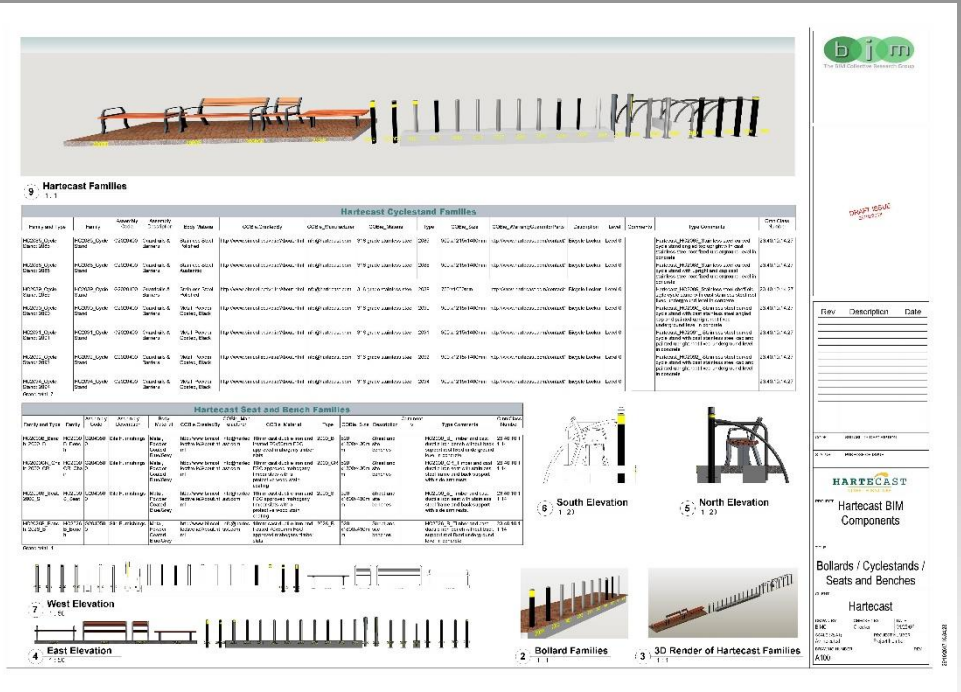


# Photogrammetry



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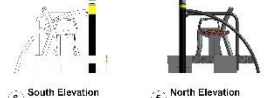



### Hartecast Families

Family and Type	Family	Subfamily	Assembly	Item Name	COB & Category	COB & Description	COB & Name	Type	COB & Code	COB & Description	Category	Level	Comments	Rev	Description	Date
HRTCAST-LOAN-BENCH-2021	HRTCAST-LOAN-BENCH	COBENCH	COBENCH	COBENCH	100	100	100	100	100	100	100	100	100	1	100	100
HRTCAST-LOAN-BENCH-2022	HRTCAST-LOAN-BENCH	COBENCH	COBENCH	COBENCH	100	100	100	100	100	100	100	100	100	1	100	100
HRTCAST-LOAN-BENCH-2023	HRTCAST-LOAN-BENCH	COBENCH	COBENCH	COBENCH	100	100	100	100	100	100	100	100	100	1	100	100
HRTCAST-LOAN-BENCH-2024	HRTCAST-LOAN-BENCH	COBENCH	COBENCH	COBENCH	100	100	100	100	100	100	100	100	100	1	100	100

### Hartecast Seat and Bench Families

Family and Type	Family	Subfamily	Assembly	Item Name	COB & Category	COB & Description	COB & Name	Type	COB & Code	COB & Description	Category	Level	Comments	Rev	Description	Date
HRTCAST-LOAN-BENCH-2021	HRTCAST-LOAN-BENCH	COBENCH	COBENCH	COBENCH	100	100	100	100	100	100	100	100	100	1	100	100
HRTCAST-LOAN-BENCH-2022	HRTCAST-LOAN-BENCH	COBENCH	COBENCH	COBENCH	100	100	100	100	100	100	100	100	100	1	100	100
HRTCAST-LOAN-BENCH-2023	HRTCAST-LOAN-BENCH	COBENCH	COBENCH	COBENCH	100	100	100	100	100	100	100	100	100	1	100	100
HRTCAST-LOAN-BENCH-2024	HRTCAST-LOAN-BENCH	COBENCH	COBENCH	COBENCH	100	100	100	100	100	100	100	100	100	1	100	100



Rev	Description	Date

Hartecast BIM Components

Bollards / Cyclesstands / Seats and Benches

Hartecast  
BIM  
Components  
Rev: 1.0  
Date: 2021-01-01  
Author: [Name]

# BIM Visualisation

- VR
- CGI and Photogrammetry



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# BIM VR



# Record footage of VR Experience



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# Future of VR



Windows MR Headset



Standalone Headset (3dof)



Vive Pro

# CGI and Photogrammetry

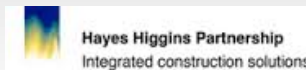
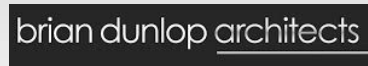


# Eurofins Extension



eurofins





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