

# Gathering23

Accelerating BIM adoption

CitA BIM Gathering 2023

Brian Lahiff  
GARLAND

**Lean BIM: an Engineer's  
Perspective**

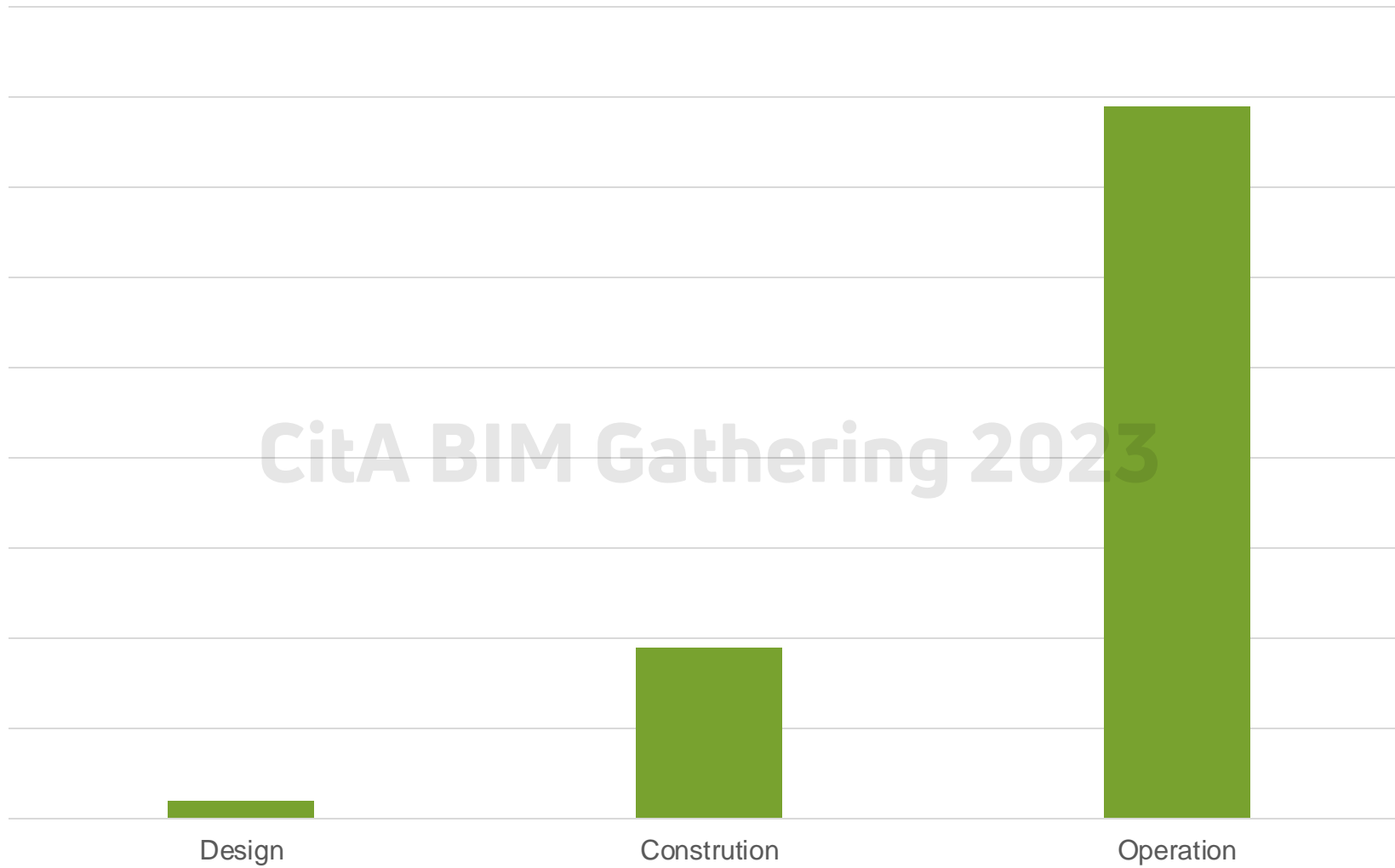


“Agile management is about working smarter rather than harder. Its not about doing more work in less time: Its about generating more value from less work”

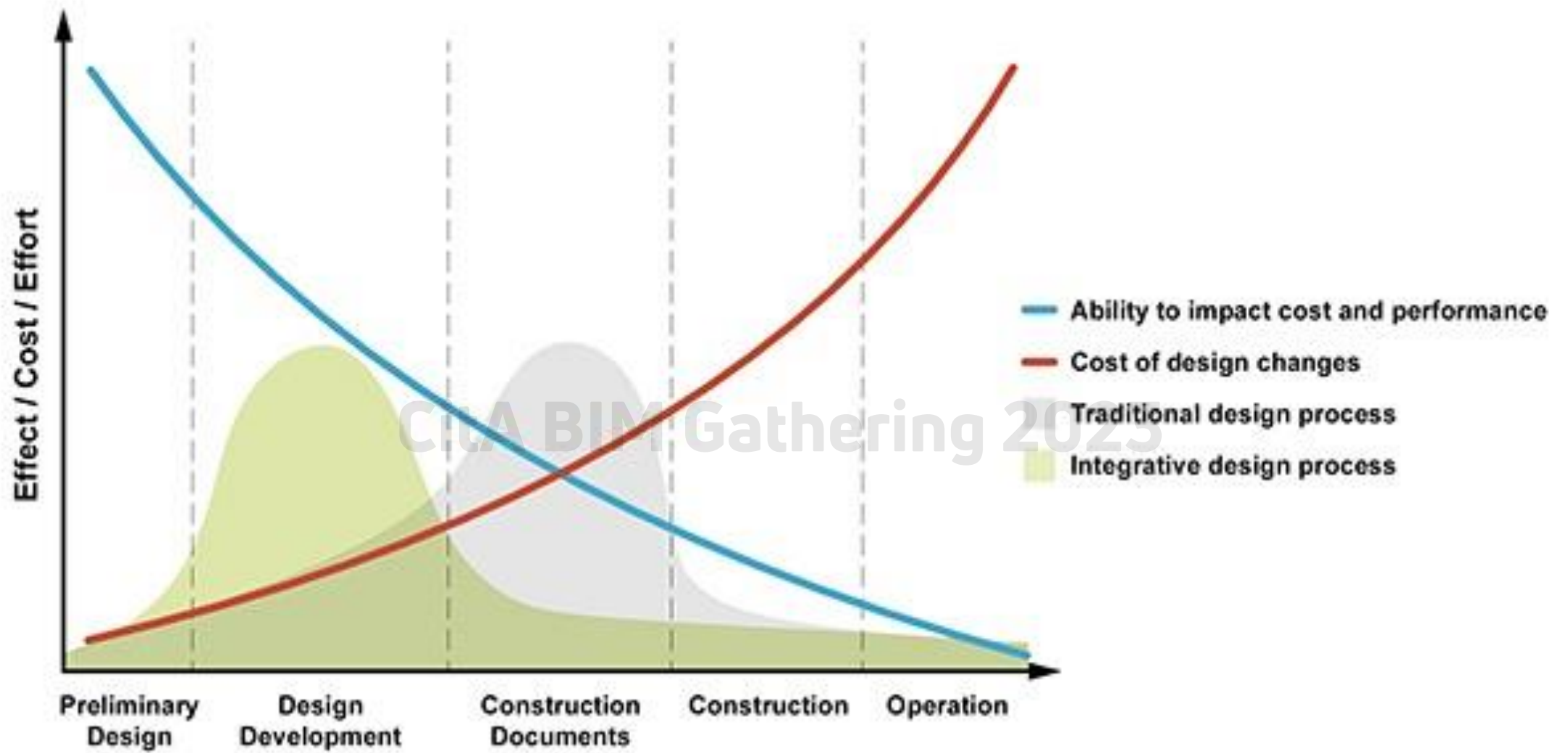
Stephen Denning



# Construction Project Relative Spend



CitA BIM Gathering 2023





Citi BIM Gathering 2018

A person wearing a dark pinstriped suit jacket is holding a large white rectangular sign in front of their chest. The sign contains the text 'Level of Information Need' in large, bold, black font, and 'CitA BIM Gathering 2023' in a smaller, grey font below it. The person's hands are visible, holding the corners of the sign. They are wearing rings on their fingers.

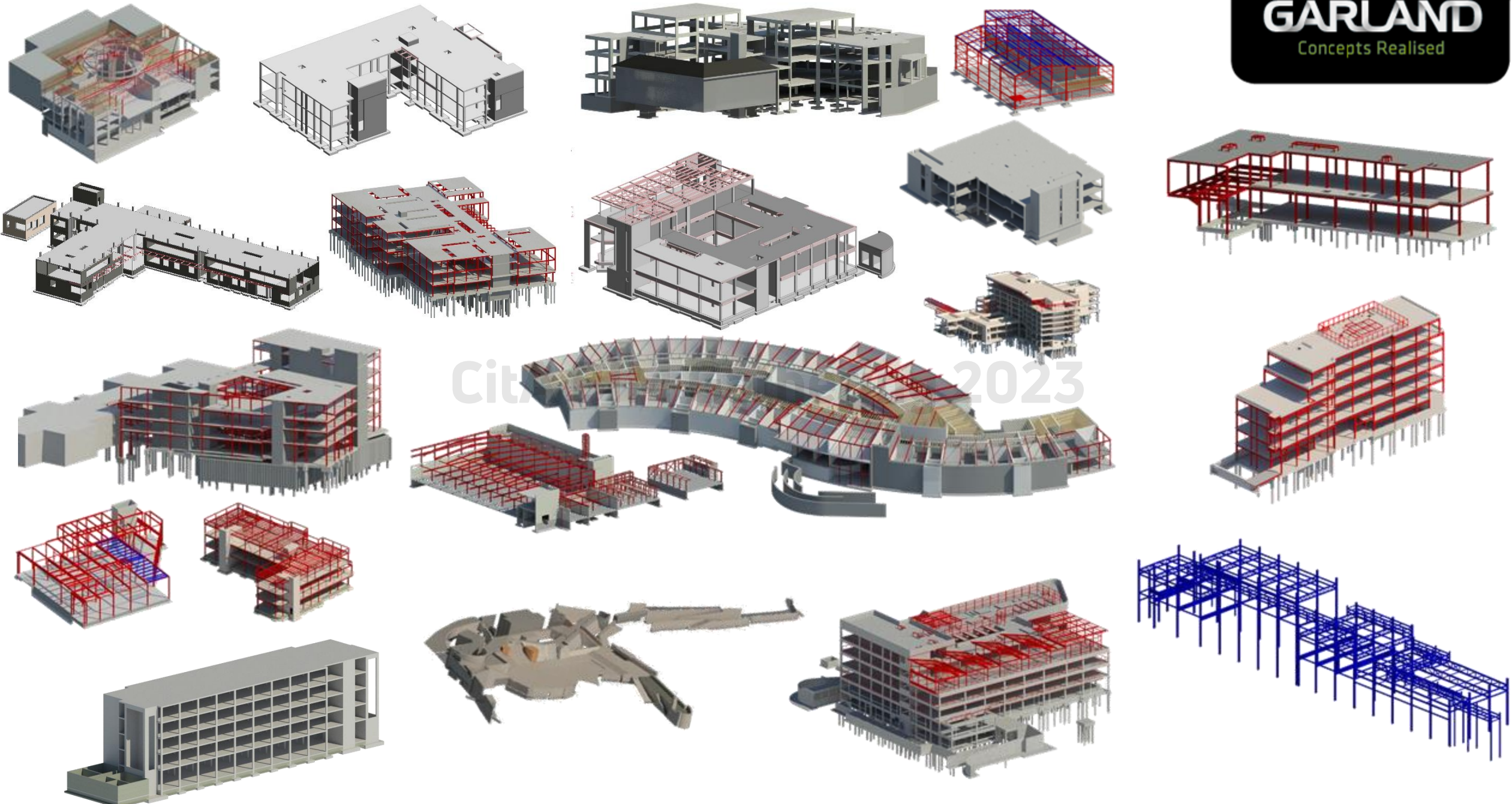
# Level of Information Need

CitA BIM Gathering 2023



athering 202





City 2023

# Mercer Institute for Successful Aging, St. James's Hospital, Dublin

**GARLAND**  
Concepts Realised



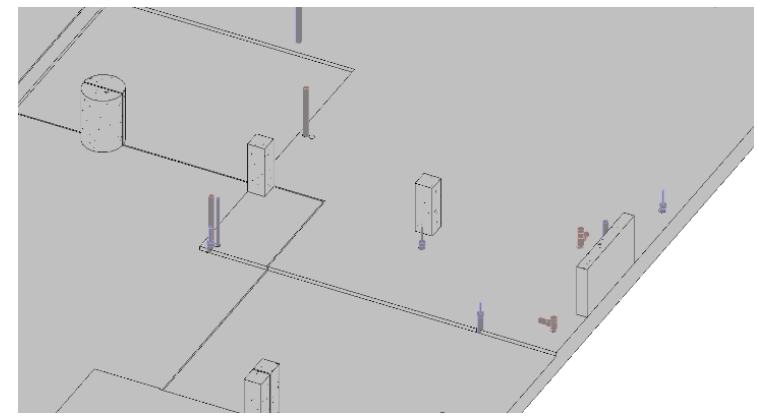
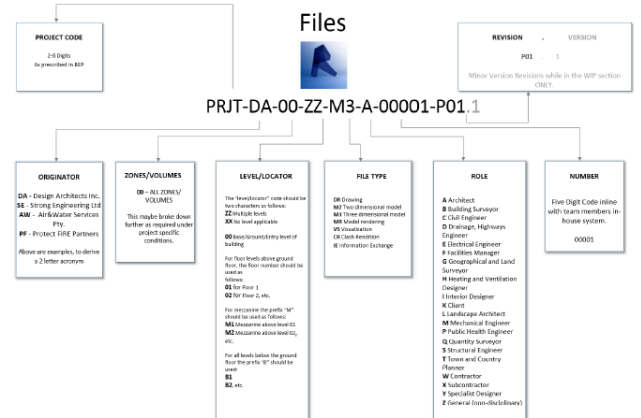


Name	Type	Description
Drop Files Here	Drop Files Here	
1-3 of 3 items	Updated: Tue 11:32	View   Shared
Filter		
Drawing Publication	Default Folder	
Model Content	Default Folder	
Specification	Default Folder	

**BIM Models & 2d Drawings (Examples)**

Project	Originator	Zone	Level	File Type	Role	Number (In-house standard)	Revision	Version (Only in WIP Area)
MISA	OC	00	ZZ	M3	A	00001	P01	
MISA	GA	00	ZZ	M3	S	00100	P03	
MISA	BP	00	ZZ	M2	M	50001	P01	
MISA	BP	00	ZZ	M3	E	50010	P01	
MISA	BC	00	ZZ	CR	W	00001	P01	

Note: The intended suitability status of the file must be included in the title block and also as metadata when uploading to the CDE. The status will not form part of the file name.

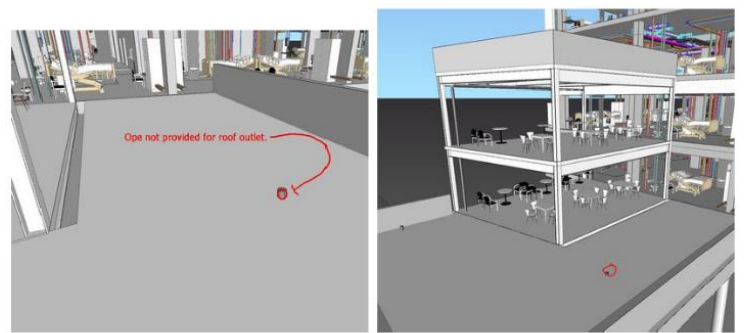


Description	Open not provided in roof for roof drain.
Location	2 Storey Building=02 Roof Level
Location Detail	

**Custom Properties for ID 000440**

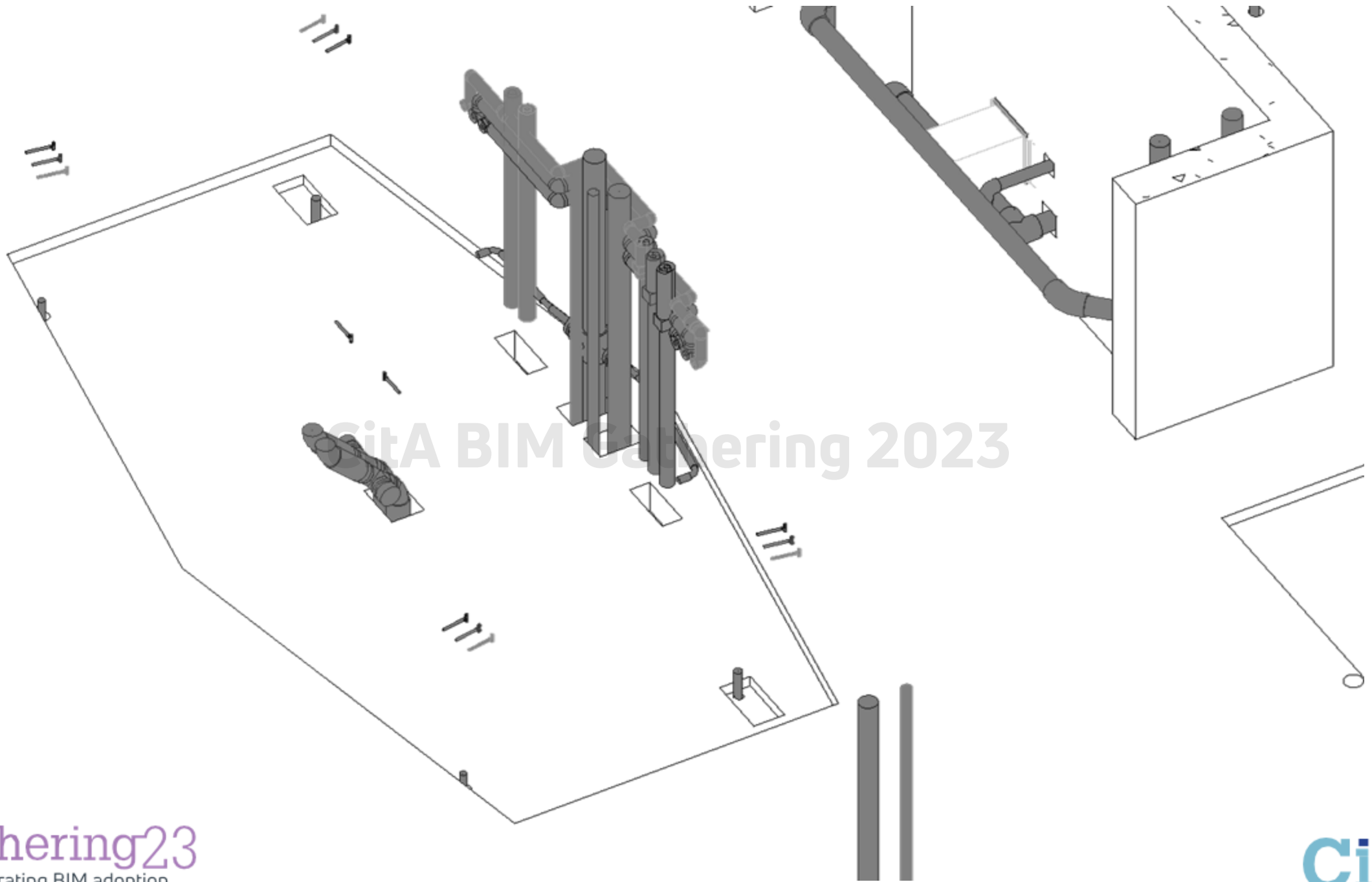
Action Register Ref No.	BC-VP-931
Item Type	Issue

Attached Images for ID 000440

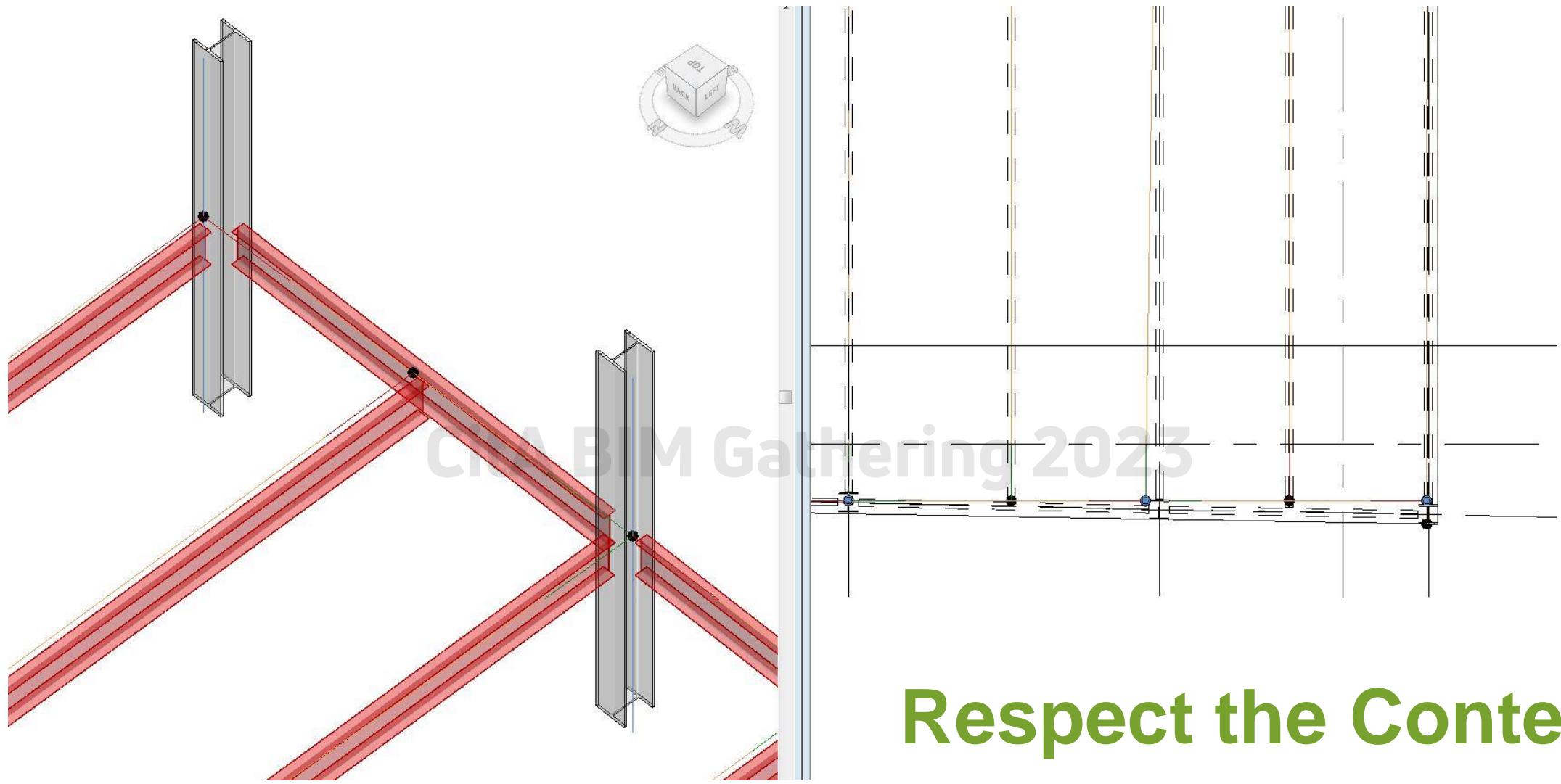


931

931a



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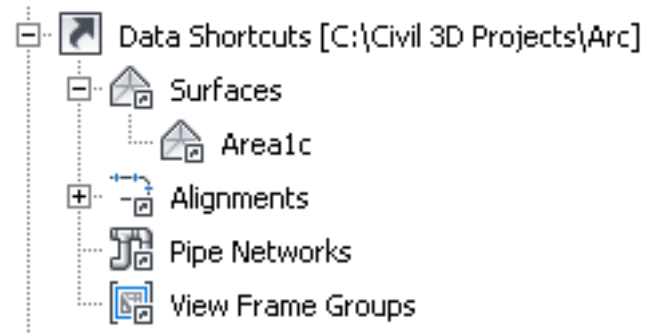
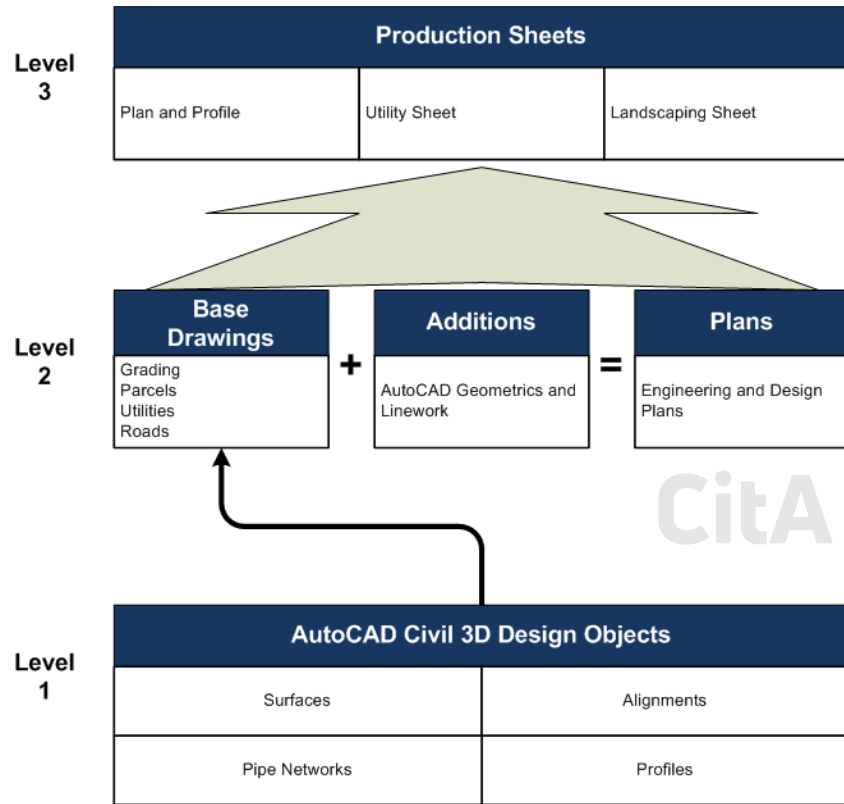


**Respect the Content!**

# Bonded and Re-export Zone, King Abdullah Economic City, Saudi Arabia

**GARLAND**  
Concepts Realised





l:) > A14-010 > DRG > Civil 3D >

CitA BIM Gathering 2023

- A14-010-BRZ-1A-T-PIV-C-3-401\_3.pdf
- A14-010-BRZ-1A-T-PIV-C-3-402\_3.pdf
- A14-010-BRZ-1A-T-PIV-C-3-403\_3.pdf
- A14-010-BRZ-1A-T-PIV-C-3-404\_3.pdf
- A14-010-BRZ-1A-T-PIV-C-3-405\_3.pdf
- A14-010-BRZ-1A-T-PIV-C-3-406\_3.pdf
- A14-010-BRZ-1A-T-PIV-C-3-407\_3.pdf
- A14-010-BRZ-1A-T-PIV-C-3-408\_3.pdf
- A14-010-BRZ-1A-T-PIV-C-3-426\_2.pdf
- A14-010-BRZ-1A-T-PIV-C-3-430\_1.pdf
- A14-010-BRZ-1A-T-PIV-C-3-431\_1.pdf
- A14-010-BRZ-1A-T-PIV-C-3-432\_1.pdf
- A14-010-BRZ-1A-T-PIV-C-3-433\_1.pdf
- A14-010-BRZ-1A-T-PIV-C-3-434\_1.pdf
- A14-010-BRZ-1A-T-PIV-C-3-435\_1.pdf
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- A14-010-BRZ-1A-T-PIV-C-4-421\_3.pdf
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- A14-010-BRZ-1A-T-PIV-C-4-423\_2.pdf
- A14-010-BRZ-1A-T-PIV-C-4-424\_2.pdf
- A14-010-BRZ-1A-T-PIV-C-4-425\_3.pdf
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- A14-010-BRZ-1A-T-PIV-C-4-428\_3.pdf
- A14-010-BRZ-1A-T-PIV-C-5-400\_2.pdf
- A14-010-BRZ-1A-T-PIV-C-5-429\_1.pdf





JTB SmartBatch

FILE MAIN ABOUT Style

Add Folders Only... Add Folders... Add Drawings... Add to list

Run Timer Help Settings

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architectural_examp...	C:\Sample dra...	2013	OK	168	51	2014-05-2
blocks_and_tables_...	C:\Sample dra...	2013	OK	274	202	2014-05-2
blocks_and_tables_...	C:\Sample dra...	2013	OK	324	257	2014-05-2
civil_example-impen...	C:\Sample dra...	2013	OK	298	66	2014-05-2
colorwh.dwg	C:\Sample dra...	2013	OK	1763	1751	2014-05-2
lineweight.dwg	C:\Sample dra...	2013	OK	1724	24	2014-05-2
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plot_screening_and...	C:\Sample dra...	2013	OK	2		
tablet.dwg	C:\Sample dra...	2013	OK	6		
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Gathering 2023

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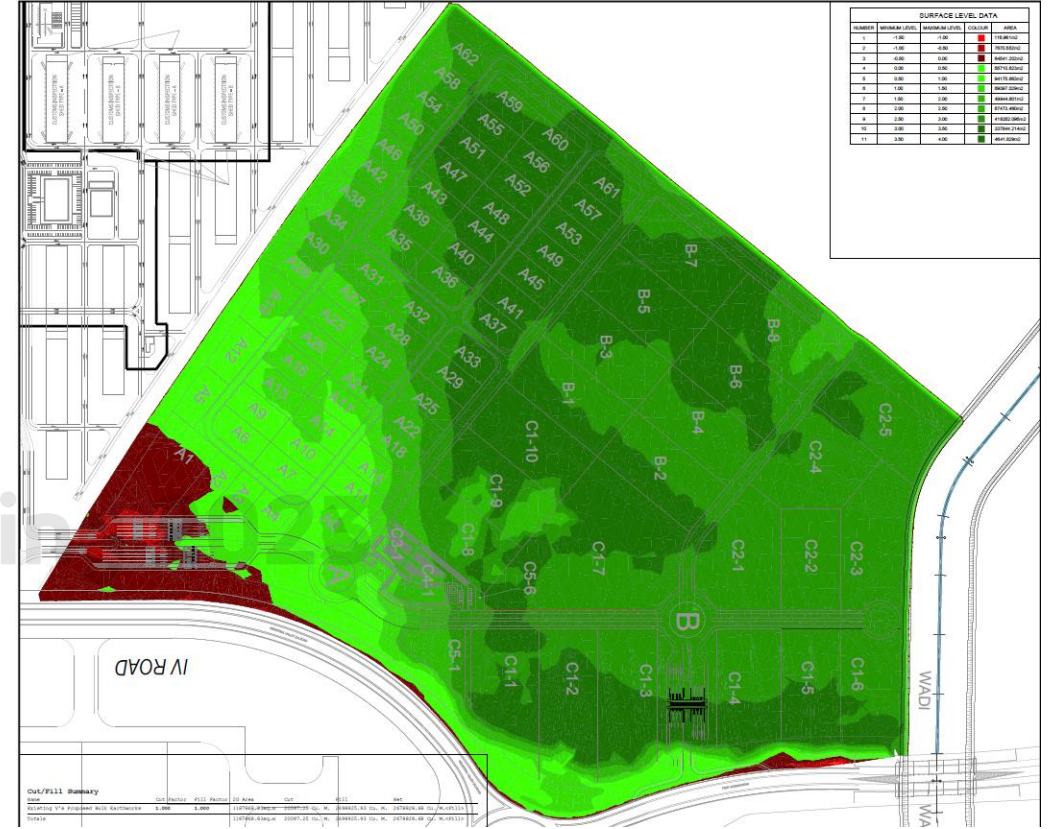
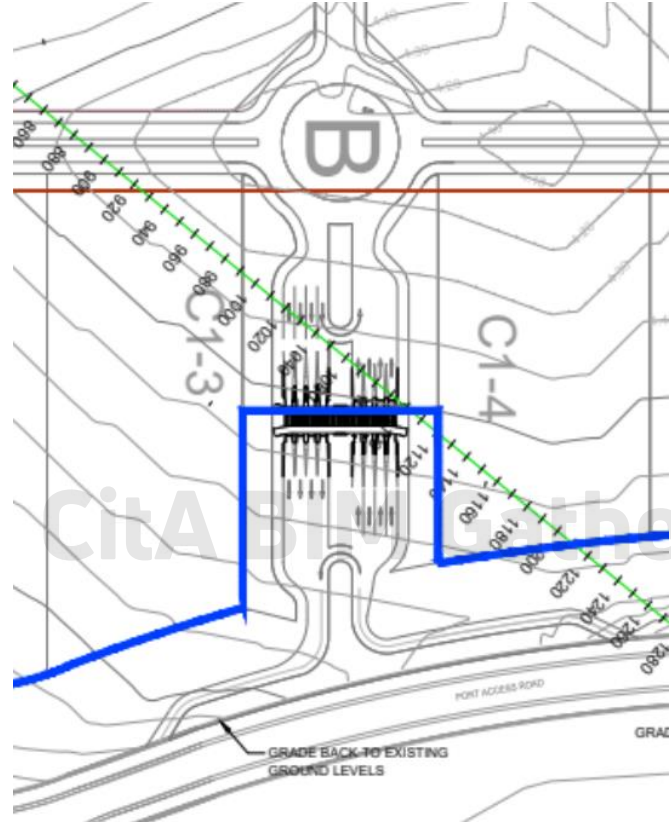
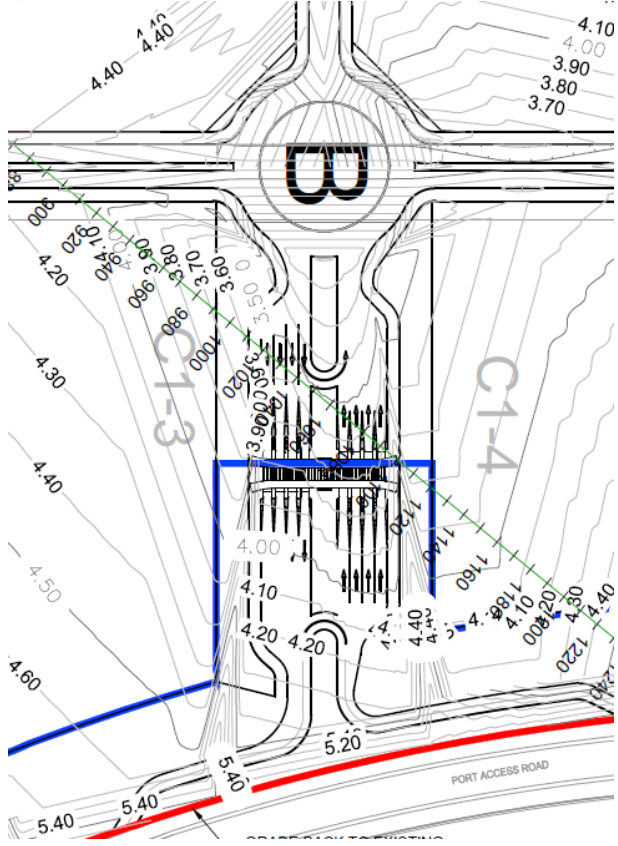
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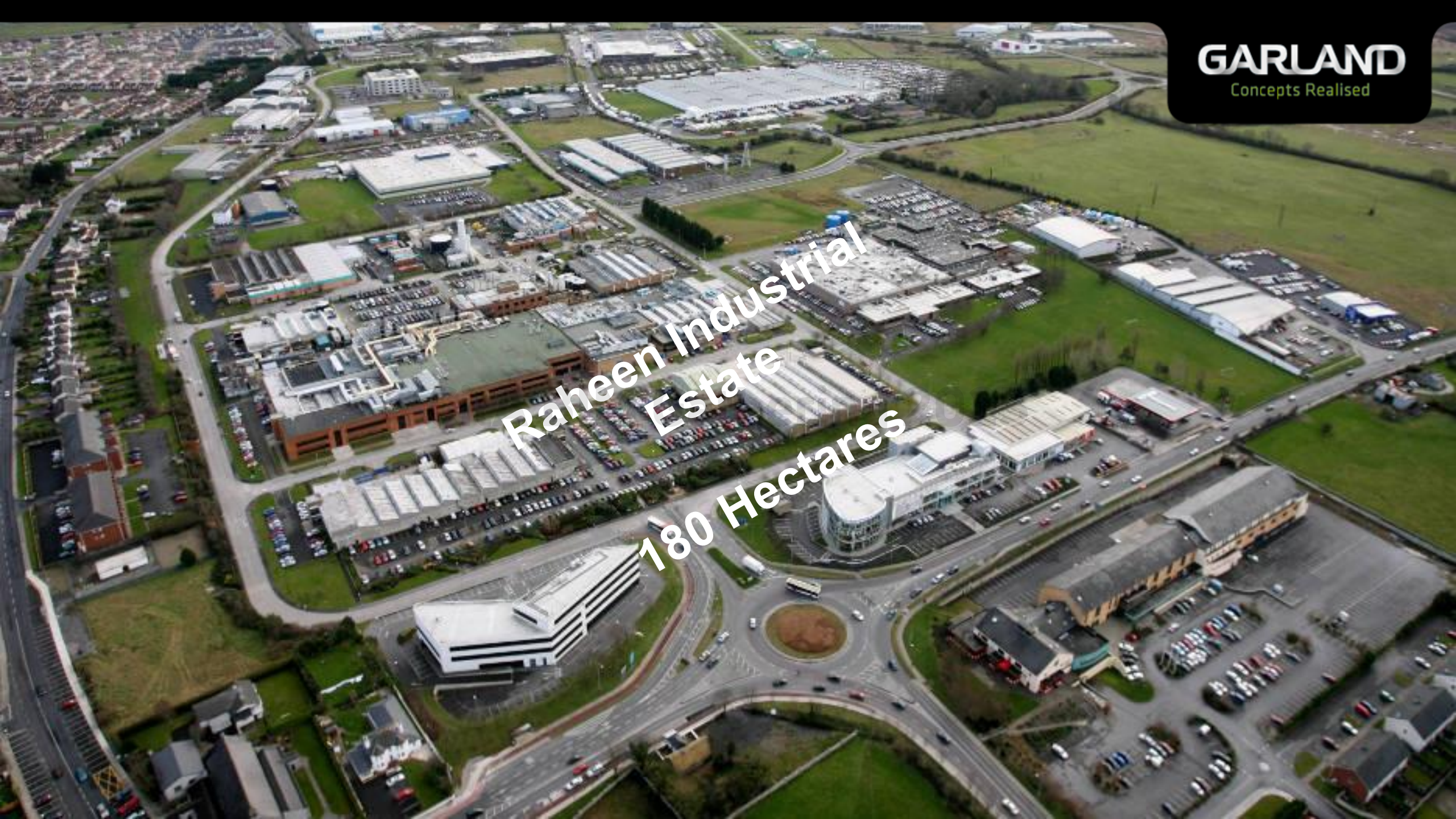




Shannon  
500 Hectares  
50 km of Road



**Raheen Industrial  
Estate  
180 Hectares**



**STANDARDS**

**RESPECT THE CONTENT**

**DETAIL WHAT + WHEN?**

**PROGRAM INTEROPERABILITY -  
TRANSFER DATA - OPEN BIM**

**DATA MANAGEMENT**

**THERE IS ALWAYS A BETTER WAY  
(USUALLY!)**

**MORE EFFICIENT DELIVERABLE  
PRODUCTION**

**Don't abandon pre BIM  
techniques**

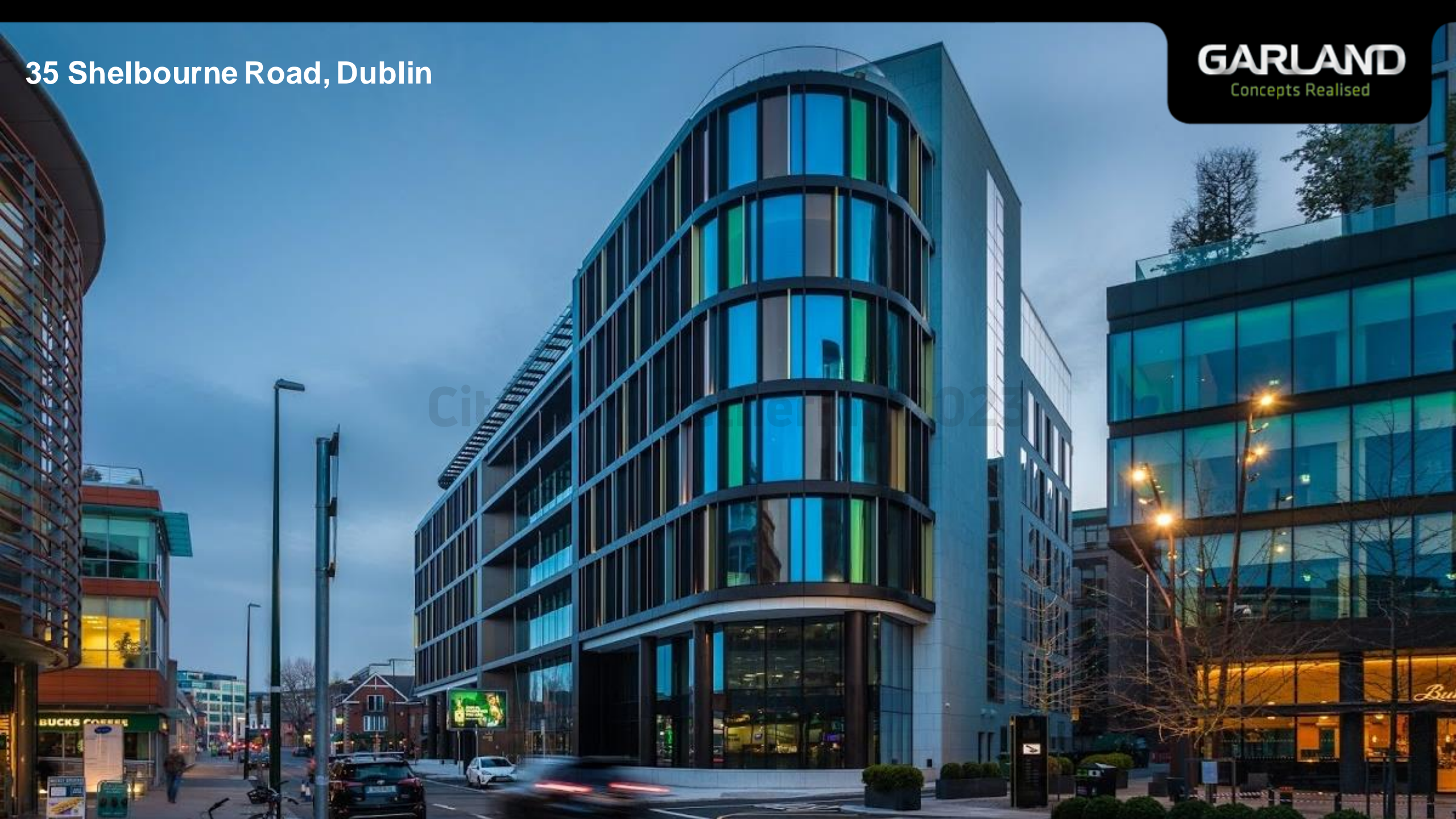
**LEAN INPUTS**

**KISS - KEEP IT SIMPLE STUPID**

**CLASH AVOIDANCE**

35 Shelbourne Road, Dublin

**GARLAND**  
Concepts Realised

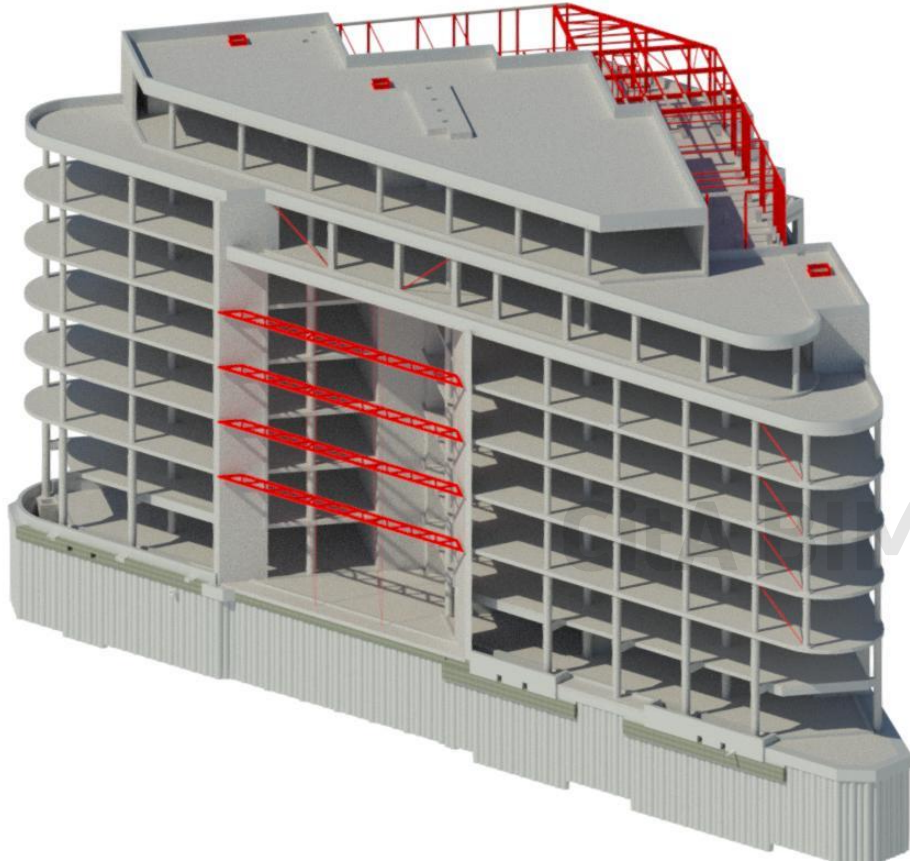


1 BQ, Bishop's Quay, Limerick

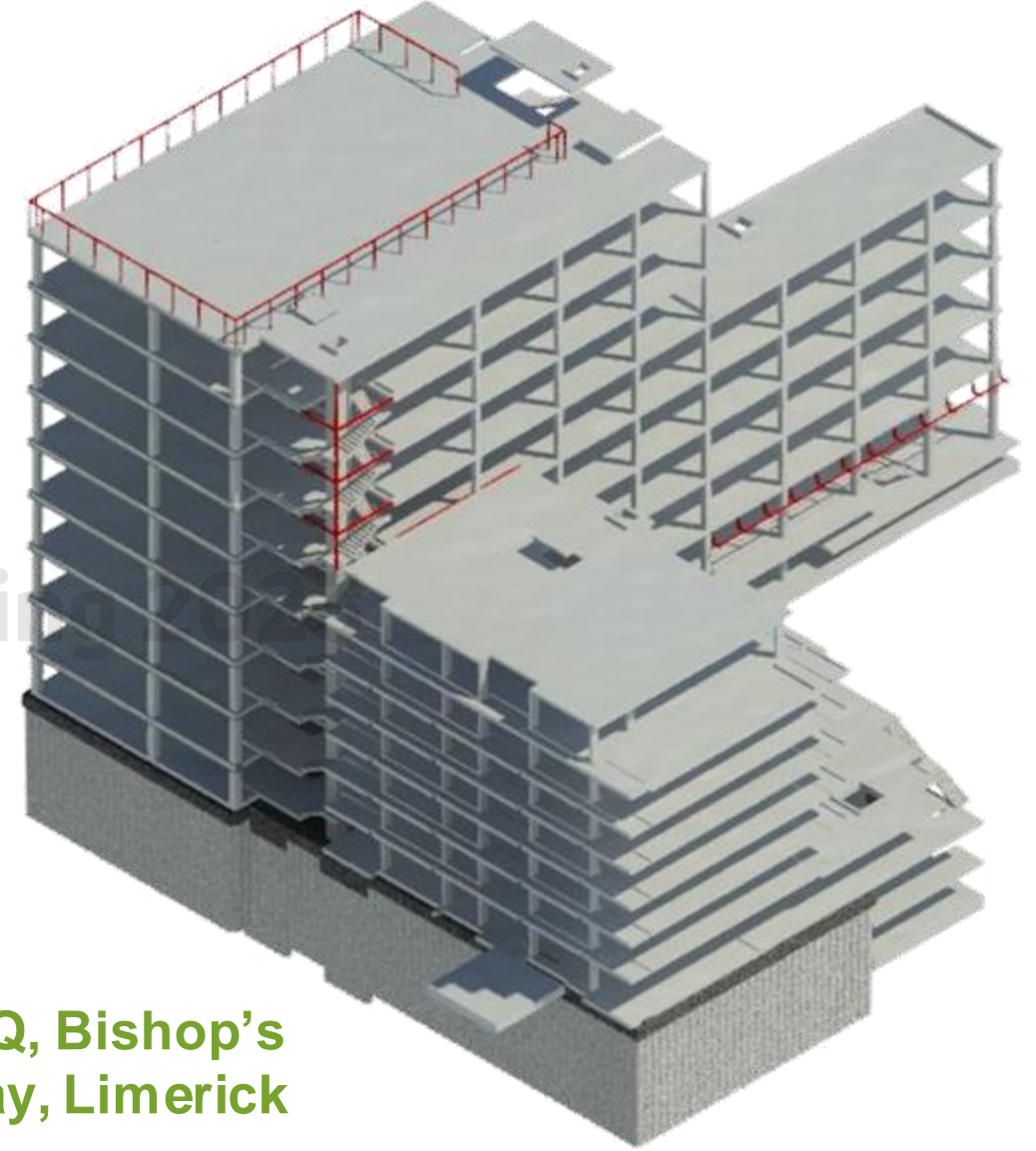
**GARLAND**  
Concepts Realised







**35 Shelbourne  
Road, Dublin**



**1 BQ, Bishop's  
Quay, Limerick**

BIM Gathering

Free Zone, Alat, Azerbaijan

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# AZƏRBAYCAN – BIM I

Building Information Modelling (BIM) is pivotal to the worldwide construction sector and built environment. In line with “Azerbaijan Social-Economic Development” the government is committed to increasing transparency and competitiveness while delivering value for public funds through the introduction of BIM, built on international standards.

The Government has developed a draft Policy in support of its digital transformation. The Policy includes specific targets and goals to be achieved by 2030.

## Policy Targets

Up to 25% Increase in Industrial Productivity and Construction Exports



Up to 25% Reduction in Capital Costs

Up to 25% Increase in Project Profitability

## Policy Goals

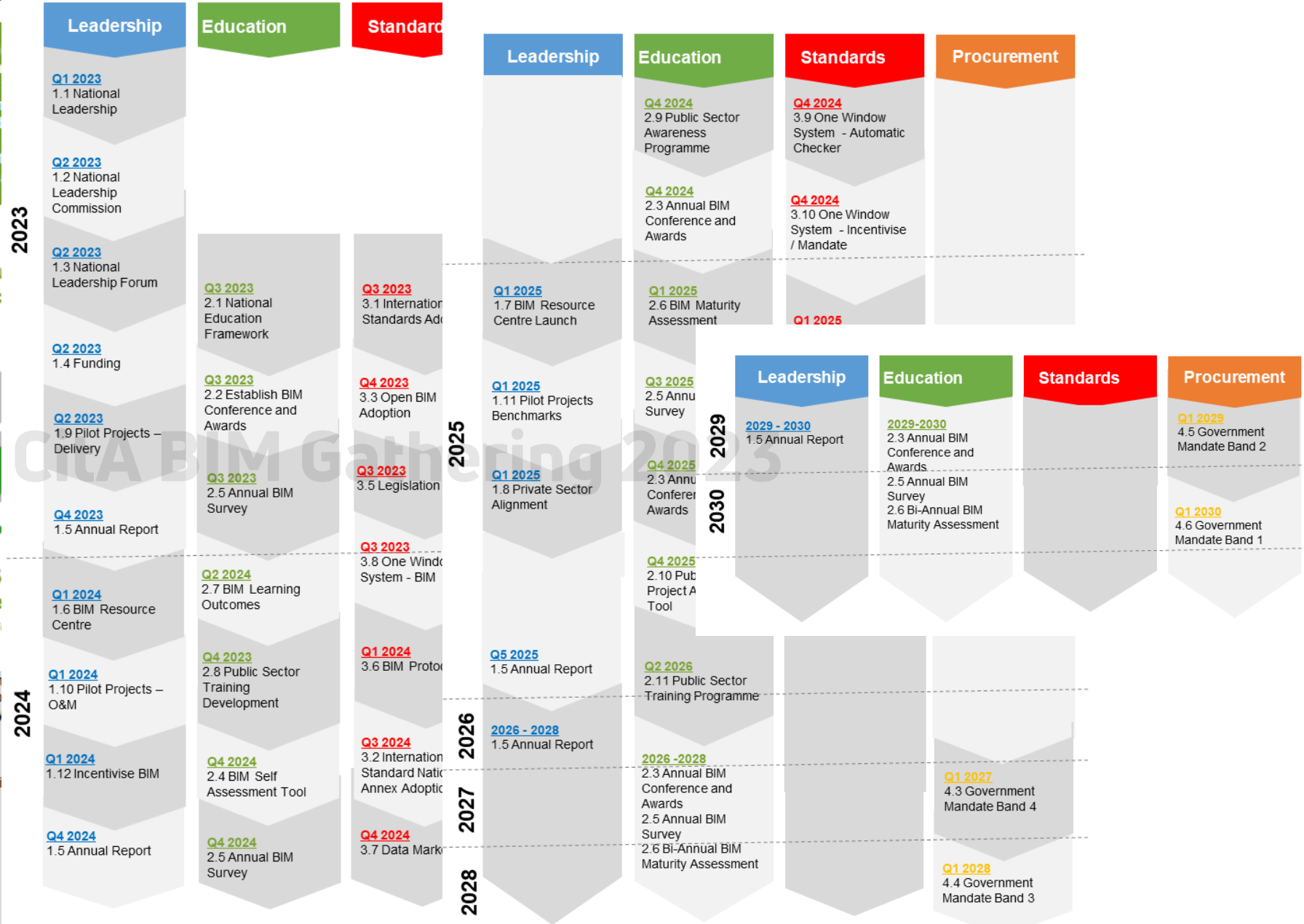
All construction projects will contribute valuable digital data to our smart communities, smart cities and smart economy placing Azerbaijan at the forefront of digital transformation in the region.

The roadmap shared info across various sectors.

Digital Transformation will Increase Azerbaijan's competitiveness (Doing Business – Construction Permits Ranking) and improve customer satisfaction with construction projects.

BIM adoption outcomes society at various phases.

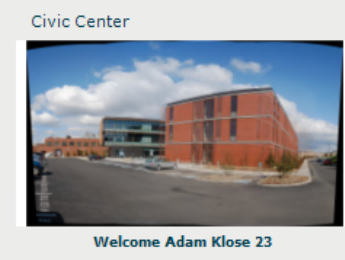
Reducing the carbon input and output of buildings to meet the Azerbaijan's 2030 carbon reduction commitments.



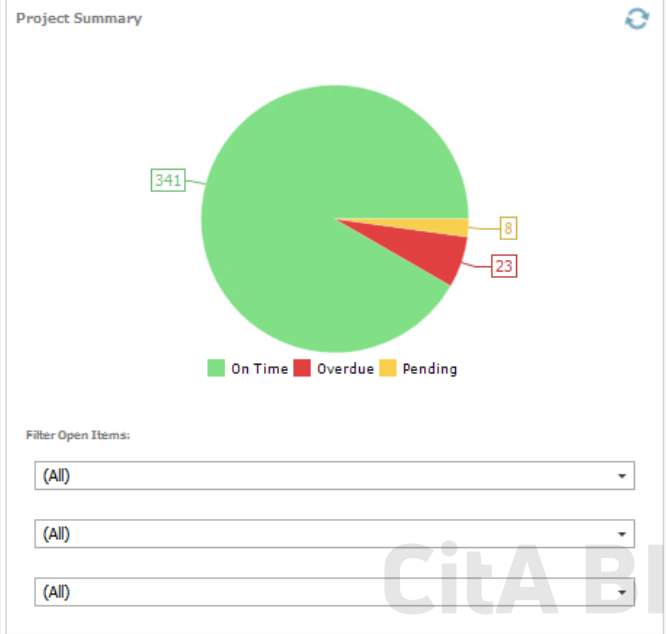
**TASKS** | PROJECT HOME - FAVORITE ACTIVITIES - CIVIC CENTER (1999009.06B) | Refreshed 1

- Dashboard**
- Favorite Activities
  - Project Management
  - Contract Management
- Project**
- Edit Project Settings
  - Show Project Item Locks
  - Setup Mobile Apps
  - Return to My Project Center

**PROJECT OVERVIEW**



**COMMON QUESTIONS**



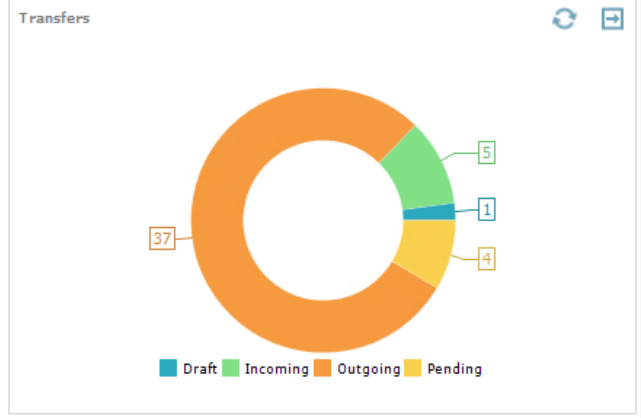
On Time(341) Pending(8) **Overdue(23)** Due Within 8 Days(0)

Subject	Due Date
Meeting Space: Lighting Fixtures Submittal Forwarded - For Review - Overdue	
Corridor 59 and ceiling lines RFI - Overdue	
Doors and Window Jambs - spec section 08100 Submittal Forwarded - For Review - Overdue	
Temporary shoring along gardens Change Order Proposal - Overdue	
Doors and Window Jambs - spec section 08100 Submittal - Overdue	
Upgrade of ceiling tiles to premium grade Change Order Proposal - Overdue	
Geothermal Storage Tank Submittal Submittal Forwarded - For Review - Overdue	
Ceiling Panels Submittal Forwarded - For Review - Overdue	
Site Additions - Product Data Submittal - Overdue	
Brick Samples Submittal Received - For Review - Overdue	
Record sound pressure levels at site boundary Action Item - Overdue	
F29 Fixture Submittal - Overdue	

**Project Files (Last 6 Months)**

File System | SharePoint | BIM360 | Projectwise

File	Updated
PO Agreement.docx DOCX File - 28 KB	
1906-NF-B1-08-DR-A-1008_RevP01_S1.pdf PDF File - 1,509 KB	
A001_General Notes, Abbreviations, & Code Information-(2).pdf PDF File - 1,686 KB	
A201_Level 1 - Floor Plan_(3)_02-09-2020.pdf PDF File - 293 KB	
BIM 360 Ecosystem - Integration Project.pdf PDF File - 4,277 KB	
Fowler Square - A000.pdf PDF File - 813 KB	
Fowler Square - A001.pdf PDF File - 1,545 KB	
Fowler Square - A101.pdf PDF File - 935 KB	
Fowler Square - A201.pdf PDF File - 845 KB	
Fowler Square - A202.pdf PDF File - 517 KB	
Fowler Square - A203.pdf PDF File - 388 KB	
Fowler Square - A204.pdf PDF File - 387 KB	
Fowler Square - A205.pdf PDF File - 387 KB	
Fowler Square - A206.pdf PDF File - 412 KB	
Fowler Square - A207.pdf PDF File - 638 KB	
Fowler Square - A221.pdf PDF File - 464 KB	
Fowler Square - A301.pdf PDF File - 689 KB	
Fowler Square - A302.pdf PDF File - 509 KB	
Fowler Square - A303.pdf PDF File - 493 KB	
Fowler Square - A304.pdf PDF File - 340 KB	
Fowler Square - A305.pdf PDF File - 496 KB	
Fowler Square - A306.pdf PDF File - 556 KB	



Subject	Created
Conference Room Blinds Outgoing - Not Downloaded	
Metal Roof Snow Load Specs Outgoing - Not Downloaded	
Meeting Space: Lighting Fixtures Outgoing - Downloaded	
Alpengrove Bid Set Outgoing - Downloaded	
Mounting Detail for Photovoltaic Roof Panels at Gable End Outgoing - Not Downloaded	
ASTM A615 and CHS100 Series Outgoing - Not Downloaded	
Design Development Submission: For Review Outgoing - Not Downloaded	
HVAC Submittals Outgoing - Not Downloaded	
L - LEED Certification Outgoing - Not Downloaded	
Steel roof deck submittal spec section 07010 Outgoing - Not Downloaded	
Bid Package for Review Outgoing - Downloaded	
Updated Structural Submittal Outgoing - Not Downloaded	
95% CD Outgoing - Downloaded	
Exterior Lighting Submittals Outgoing - Not Downloaded	
HW Heater Outgoing - Not Downloaded	
LEED Submission Outgoing - Downloaded	
Boiler Fittings	

- Favorite Activities**
- Project Files  
3,600 files, 3.03 GB
  - Project Email  
205 messages
  - Newforma Viewe
  - Info Exchange  
4 pending incoming
  - Document Sets  
16 items
  - Project Images  
3 files, 68 KB
- Project Management**
- Project Team  
30 members
  - Document Contr
  - Meeting Minutes  
28 meetings
  - Action Items  
168 open
  - Project Timeline  
36 items
  - Project Publisher
  - Transmittals  
273 items
  - Markup Sessions  
36 items
  - Project Center A
- Contract Management**
- RFIs  
24 items
  - Change Orders  
5 items



**“Automation does not need to be our enemy. I think machines can make life easier for men, if men do not let the machines dominate them.”**

**John F. Kennedy**



# Gathering23

Accelerating BIM adoption

CITA

THANK YOU