

# *MOVING FROM BIM IMPLEMENT TO BIM EXCELLENCE*

*LOOKING AT THE CONTINUING JOURNEY OF COMPANIES APPLYING BIM. AND  
THE AREAS THEY ARE DEVELOPING TO MEET THE NEW MARKETPLACE>*

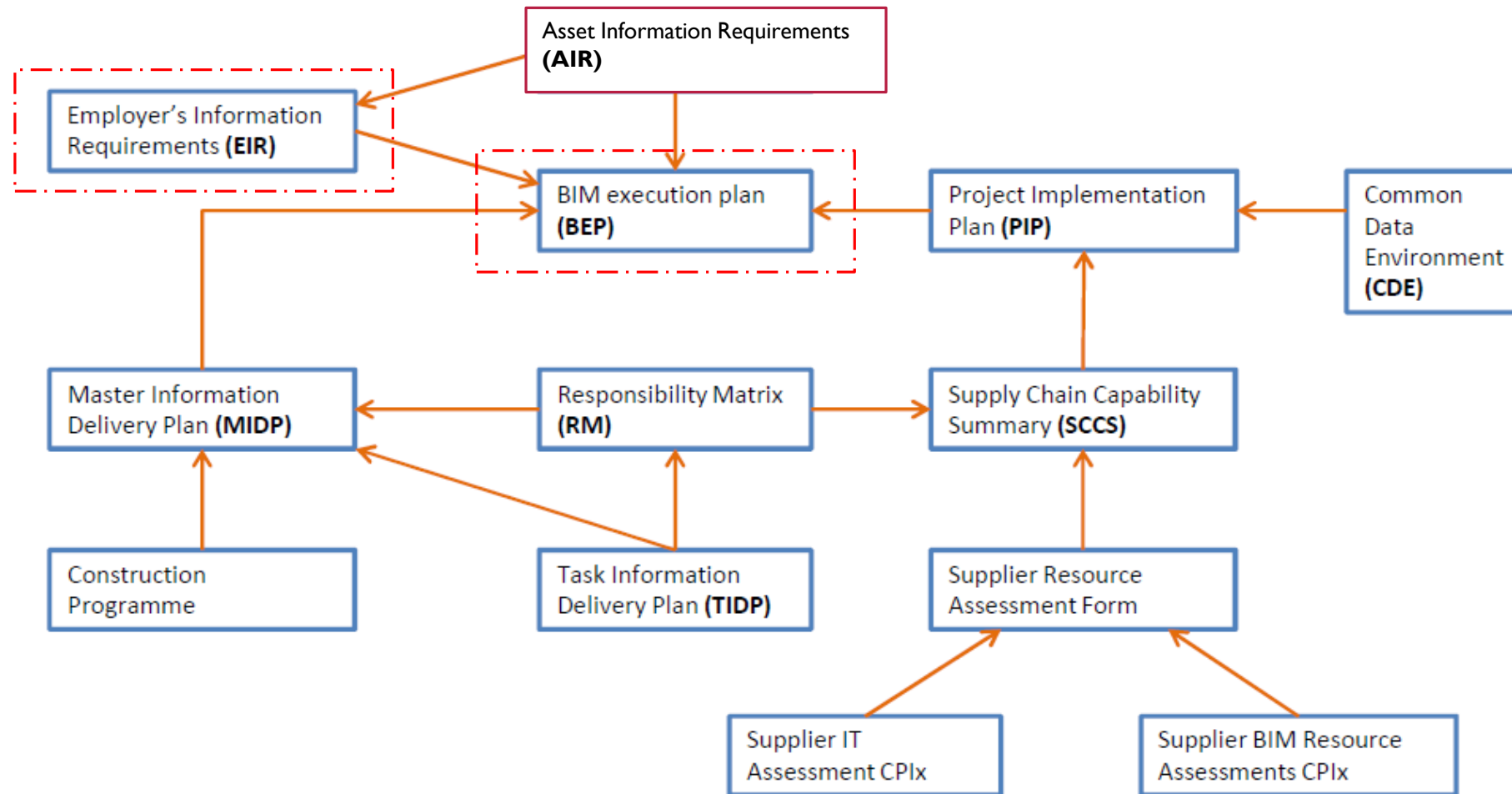
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BIM/AECO Technical Consultant





# MOVING FROM TRADITIONAL DELIVERY TO BIM DELIVERY OF PROJECTS.

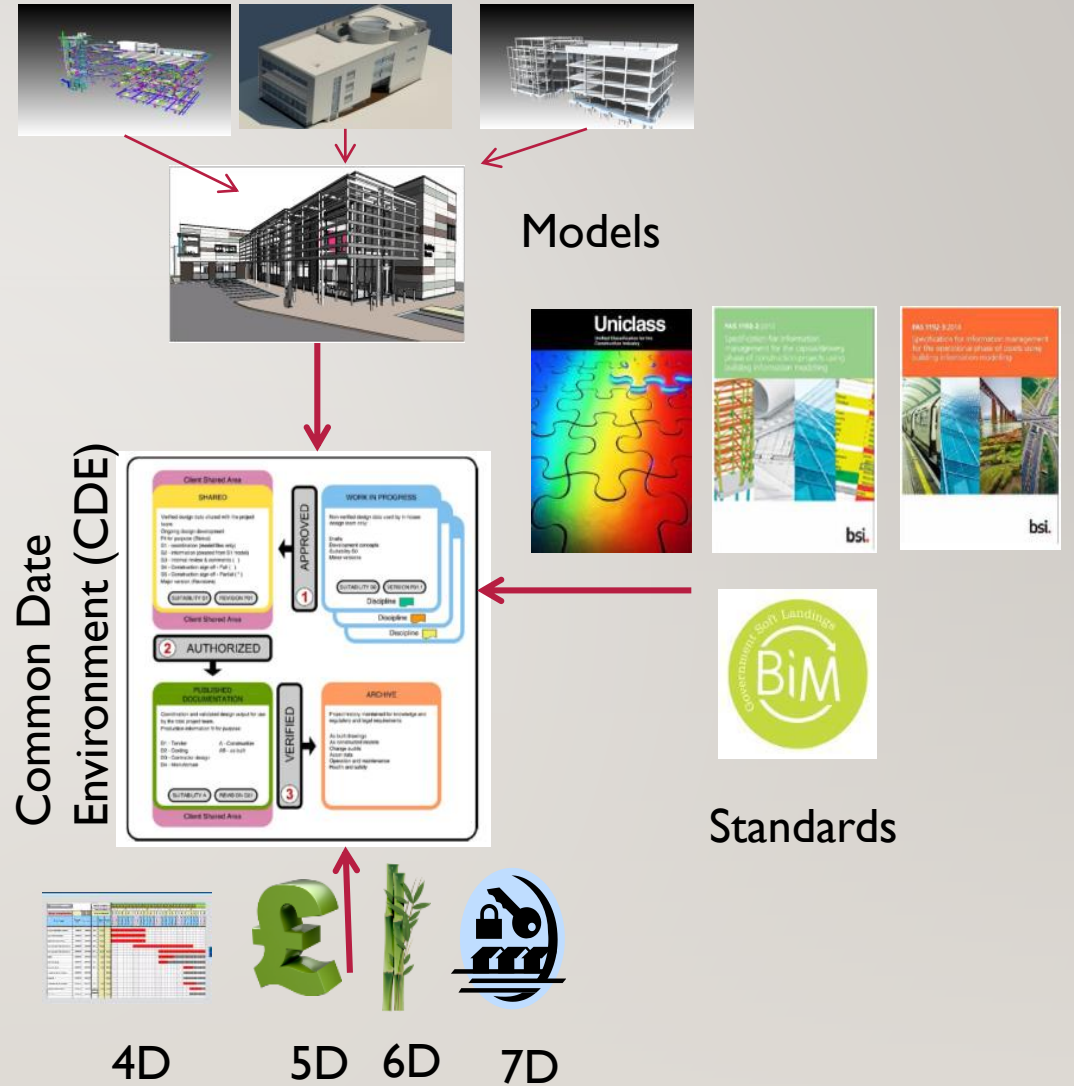
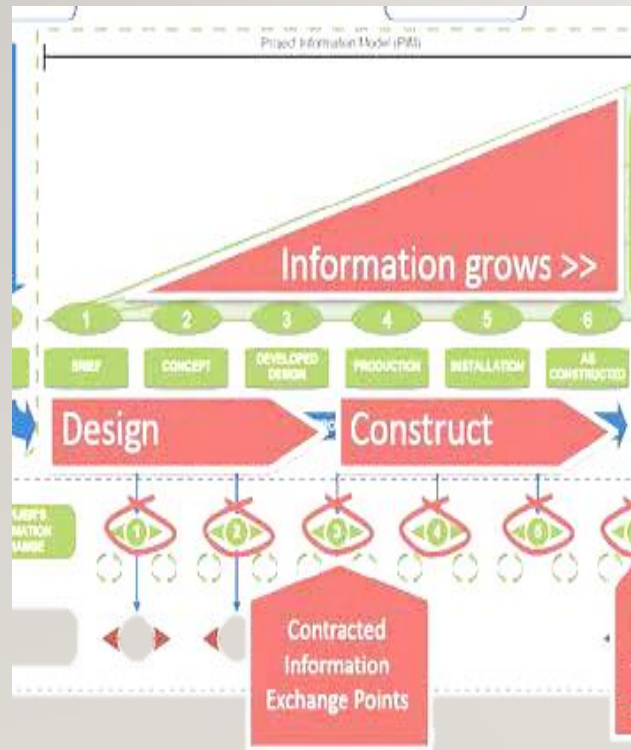


Refer to PAS 1192-2:2013  
for further details

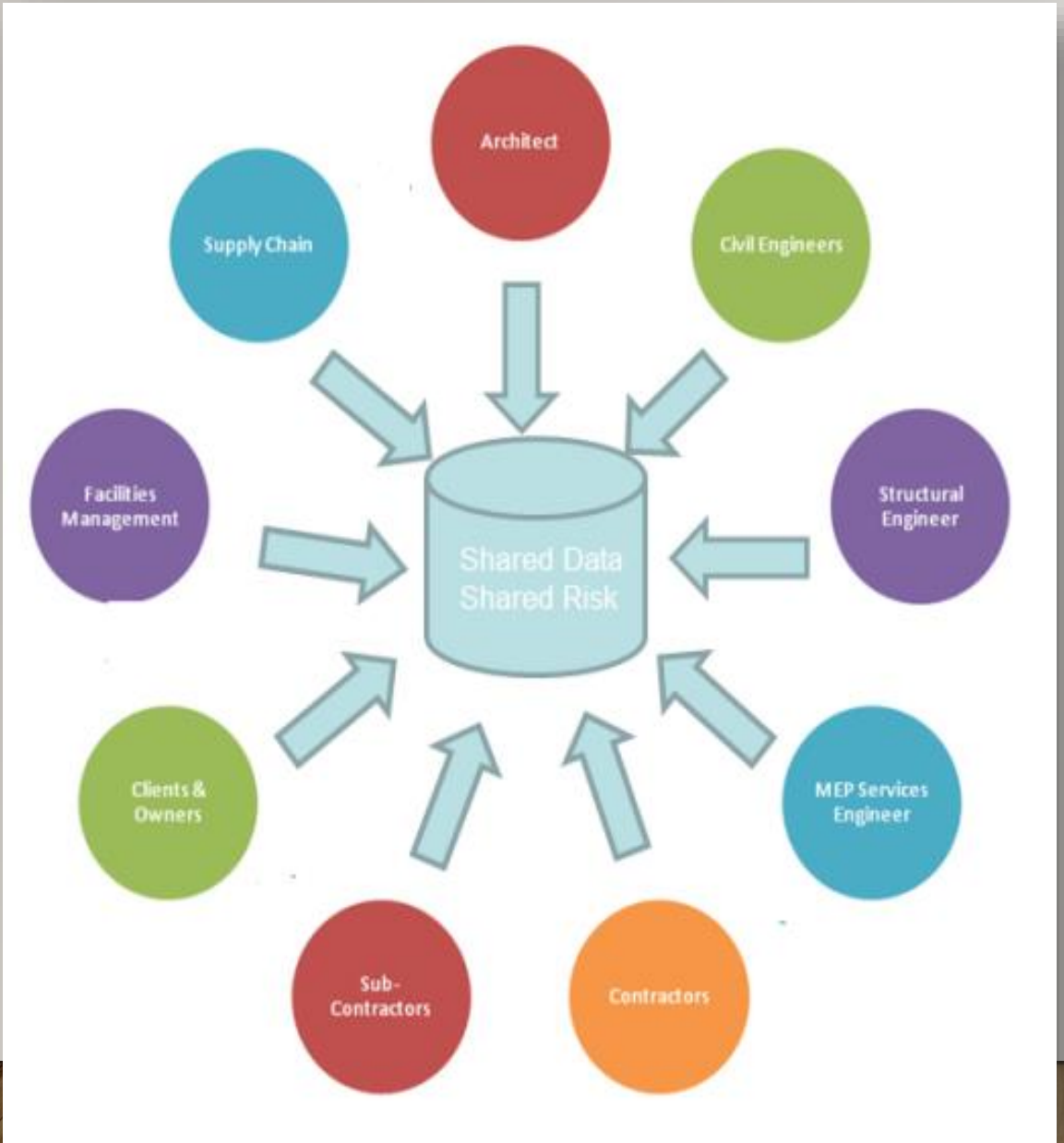


# WHAT IT LOOKS LIKE TODAY.

## Project Information Model (PIM)



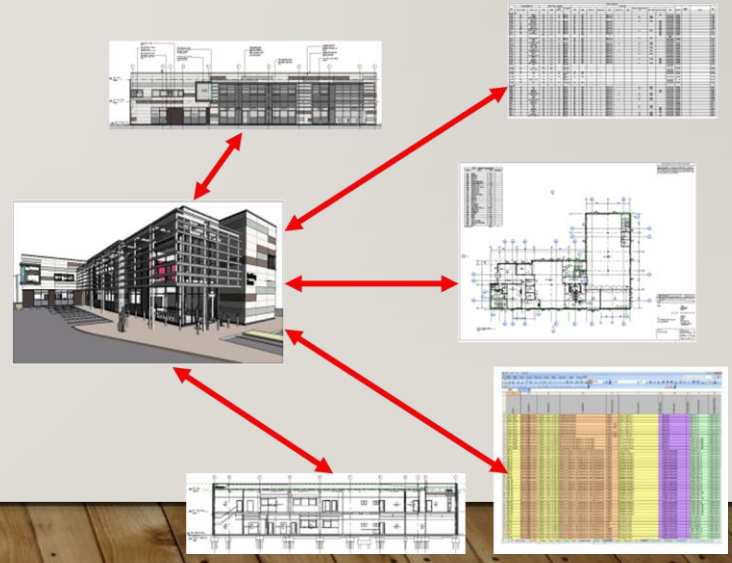
# REACHING BIM LEVEL 2.0



A form titled 'BUILDING INFORMATION MODELLING (BIM) EXECUTION PLAN (BEP)'. The form includes the following fields:

- PREPARED BY: [ ] PROJECT NUMBER: [ ]
- PROJECT NAME: [ ] PROJECT NAME: [ ]
- PROJECT ADDRESS: [ ] ADDRESS LINE 1: [ ] ADDRESS LINE 2: [ ] ADDRESS LINE 3: [ ] ADDRESS LINE 4: [ ]
- DATE: [ ] ID NUMBER: [ ]

A table titled 'Modeling Components' with columns for Component, Unit, and various status indicators. The table is a grid with many rows and columns, likely representing a schedule or a list of components.



WHAT'S NEXT?





# THE 3 MAIN AREAS BEING INVESTIGATED ARE....

- Standardisation. – Consistent Method, no matter project.
- Automation. – Removal of Manual Process and Repetition
- Certification. – Qualifying of Capability and Marketing of such.

# AREAS BEING DEVELOPED TO MEET THESE NEW FOCUS POINTS

- AR/VR
- Cloud as a Platform.
- Platform Development.
- Standards Enforcement.
- Industry Certification.



# AR/VR



dataBIM: Hubs & Spokes  
Document Information in the Real World  
Autodesk, Primavera, Microsoft, Oracle, SAP, IBM, AWS, Google Cloud, PTC, Bentley

AUTODESK

# STANDARDS ENFORCEMENT.

## BIM Interoperability Tools

Free add-ins for Autodesk Revit® to help architects, engineers, contractors and owners with their Building Information Modeling (BIM) workflows.



Autodesk  
**Model  
Checker**  
for Revit



Autodesk  
**Model  
Checker  
Configurator**  
for Revit



Autodesk  
**COBie  
Extension**  
for Revit



Autodesk  
**Classification  
Manager**  
for Revit

Family Names  
by RHAPP

Listing families in the project

Search...

Update Undo

Filter By Category

Family Name	Category	Sync
Rectangular Mullion	Curtain Wall Mullions	✓
Circular Mullion	Curtain Wall Mullions	✓
System Panel	Curtain Panels	✓
Empty System Panel	Curtain Panels	✓
L Corner Mullion	Curtain Wall Mullions	✓
V Corner Mullion	Curtain Wall Mullions	✓
Trapezoid Corner Mullion	Curtain Wall Mullions	✓
Quad Corner Mullion	Curtain Wall Mullions	✓
Brick - UK Standard	Detail Items	✓
M_Callout Head	Callout Heads	✓
M_Grid Head - Circle	Grid Heads	✓
M_Section Head - Filled	Section Marks	✓
M_Section Head - No Arrow	Section Marks	✓
M_Section Tail - Filled	Section Marks	✓
M_Section Tail - Filled Horizon	Section Marks	✓
M_Spot Elevation - Target Fille	Spot Elevation Symbols	✓
M_View Title	View Titles	✓
M_Circular Handrail	Profiles	✓
M_Rectangular Handrail	Profiles	✓
M_Fascia-Flat	Profiles	✓
M_Slab Edge-Thickened	Profiles	✓

Open...  
Check All  
Check Selected  
Reset  
Show Invalid

Name Rules Wrappers Find And Replace

Format Check

Project Details

Project Name: Sample House  
Facility Name: Downtown Office  
Facility Address: 500 East Main Street Atlanta, GA 30032  
Facility Number: 302  
Project #: 001-00

File Details

Filename: rac\_basic\_sample\_project  
File Size: 15 MB  
Modified: 5/7/2014 2:47:16 PM

Quick Check Results: 62.5% Passed

- ✗ Filename - Failed!
- ✓ Project Name - Passed!
- ✓ Project Address - Passed!
- ✓ Facility Number - Passed!
- ✓ Project Number - Passed!
- ✗ Project Status - Failed!
- ✗ Plan Names - Failed!
- ✓ Facility Name - Passed!

Format Check

Template

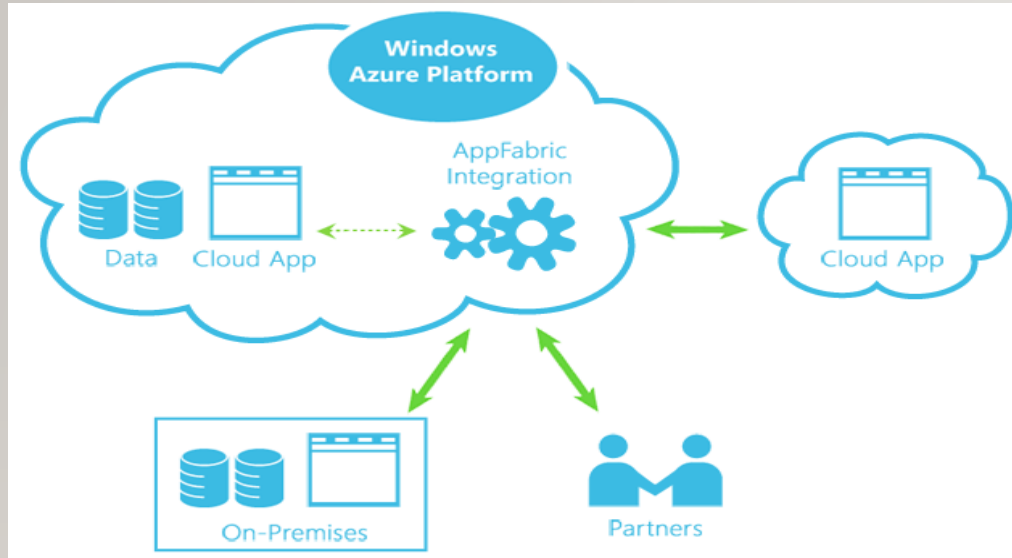
C:\ProgramData\Autodesk\RVT 2015\Templates\US Imperial\Plum1

Browse

? Run Format Check

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# CLOUD AS A PLATFORM.



**TECH PREVIEW**

## FORGE Platform

Forge is a set of Autodesk Cloud Services, APIs and SDKs for developers to create the data, apps, experiences and services that power the future of making things.

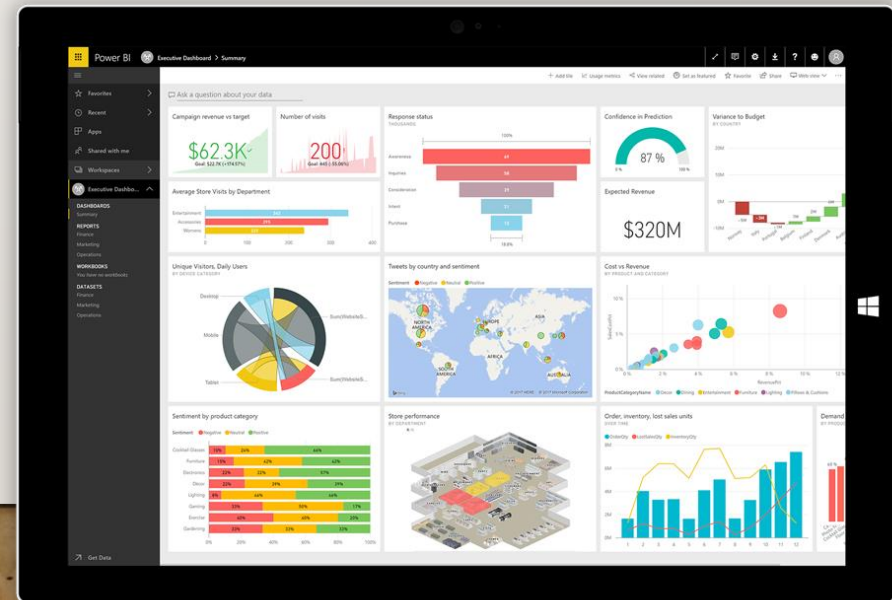
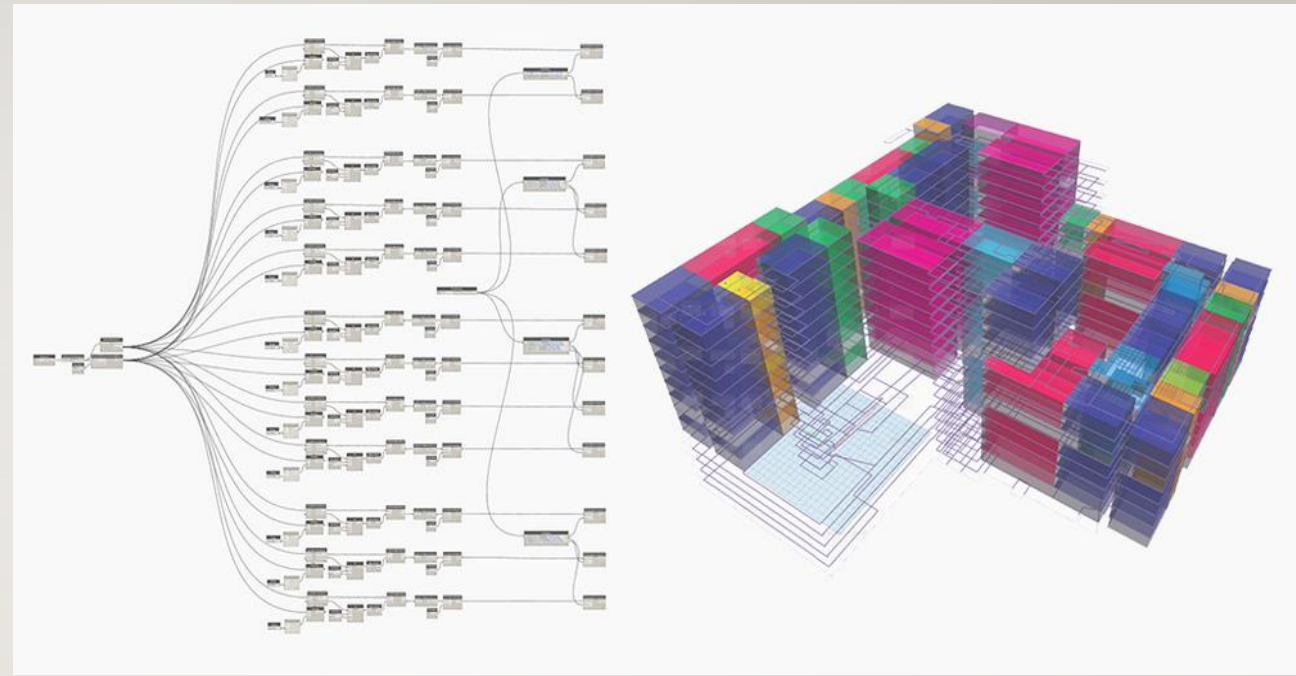
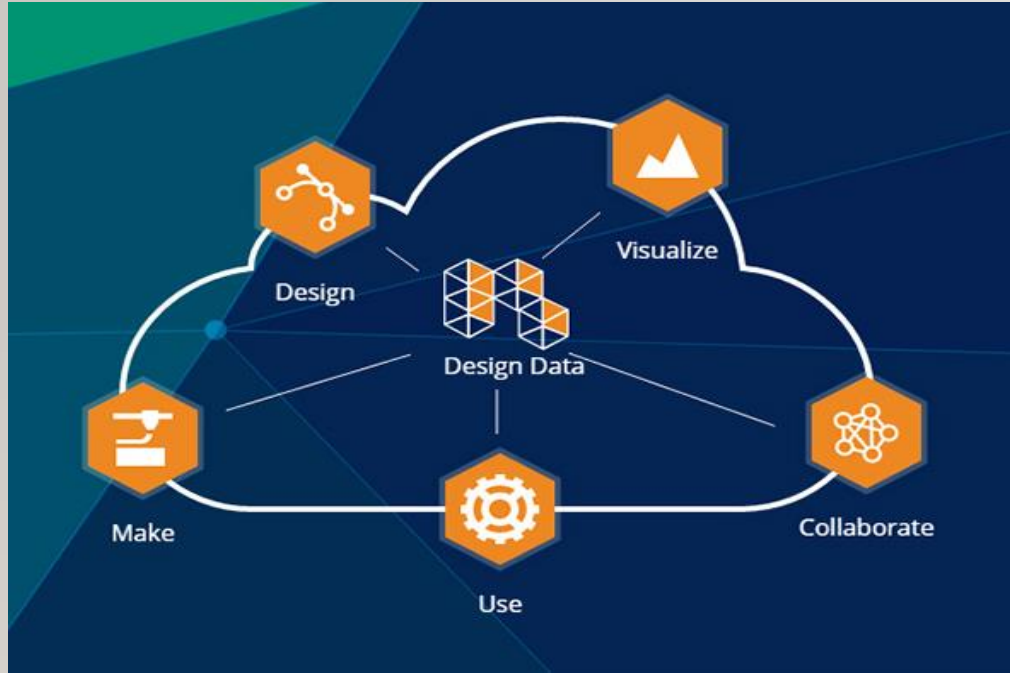
[SIGN UP >](#)  
Learn more about Forge

The Forge Platform workflow diagram shows a central "Design Data" hub. It is connected to five stages: "Design" (top left), "Visualize" (top right), "Collaborate" (right), "Use" (bottom), and "Make" (left). Each stage is represented by an orange hexagonal icon with a specific symbol (e.g., a gear for Design, a mountain for Visualize, a network for Collaborate, a gear for Use, and a wrench for Make). The stages are interconnected by a circular path.

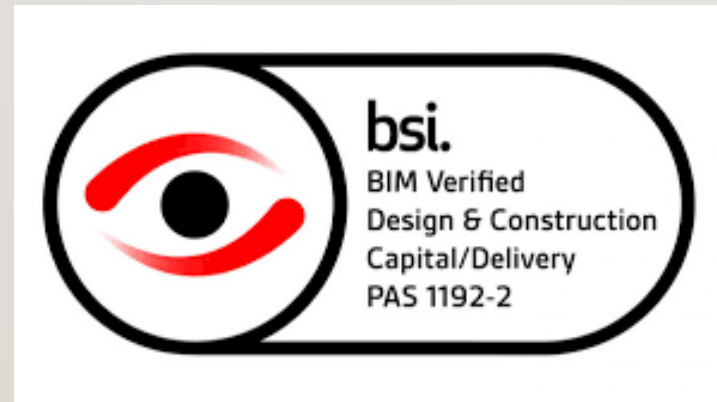




# PLATFORM DEVELOPMENT.



# GET CERTIFIED !!!!



# IN CONCLUSION

- The Industry is moving to Digital Project Delivery, rather than just BIM Implementation.
- As an Industry we are trying to get more and do more with the tools and resources to hand. Better tools required.
- Innovation and development is coming through the adoption of business centric approaches to the ways of using project information better. Collation, dissemination and action that are based on measured results.
- Cloud and development platforms are the key areas being explored and developed to maximise commercial and business gains from BIM Implementation.
- The next phase in the Industry will be around the services and capabilities of harnessing the data better to give it more commercial worth.





THANK YOU.

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- [www.diatec.ie](http://www.diatec.ie)