Our BIM Journey
Digital Project Solutions
with BAM Ireland

14th May 2024

Making Possible

Greg Byrne

DPS Business Partner

BAM UK&I

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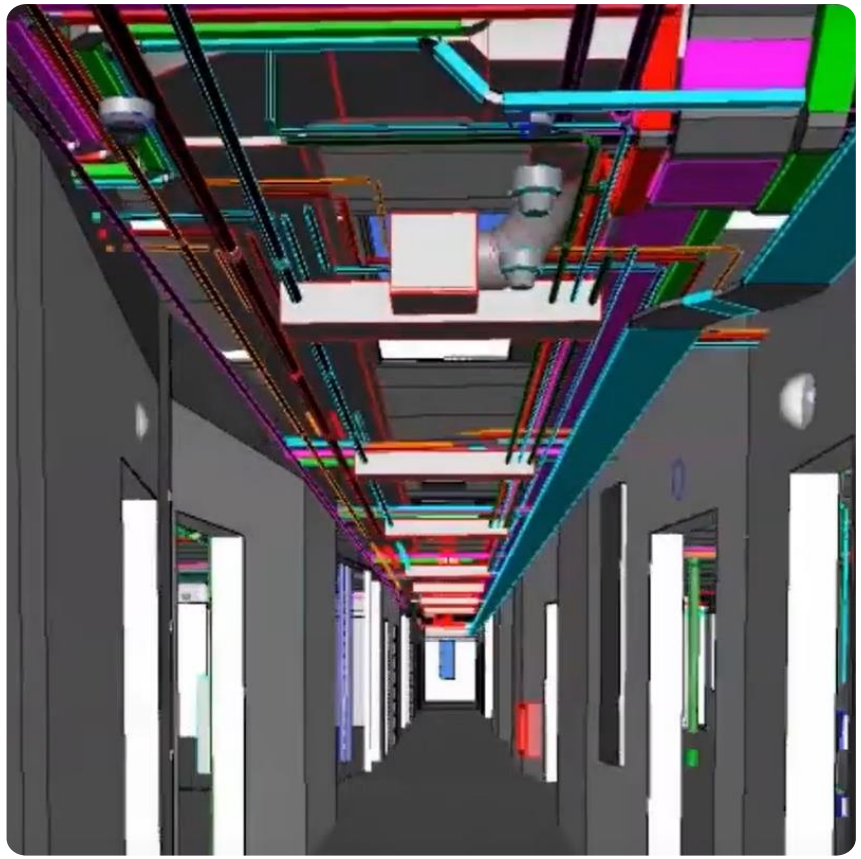
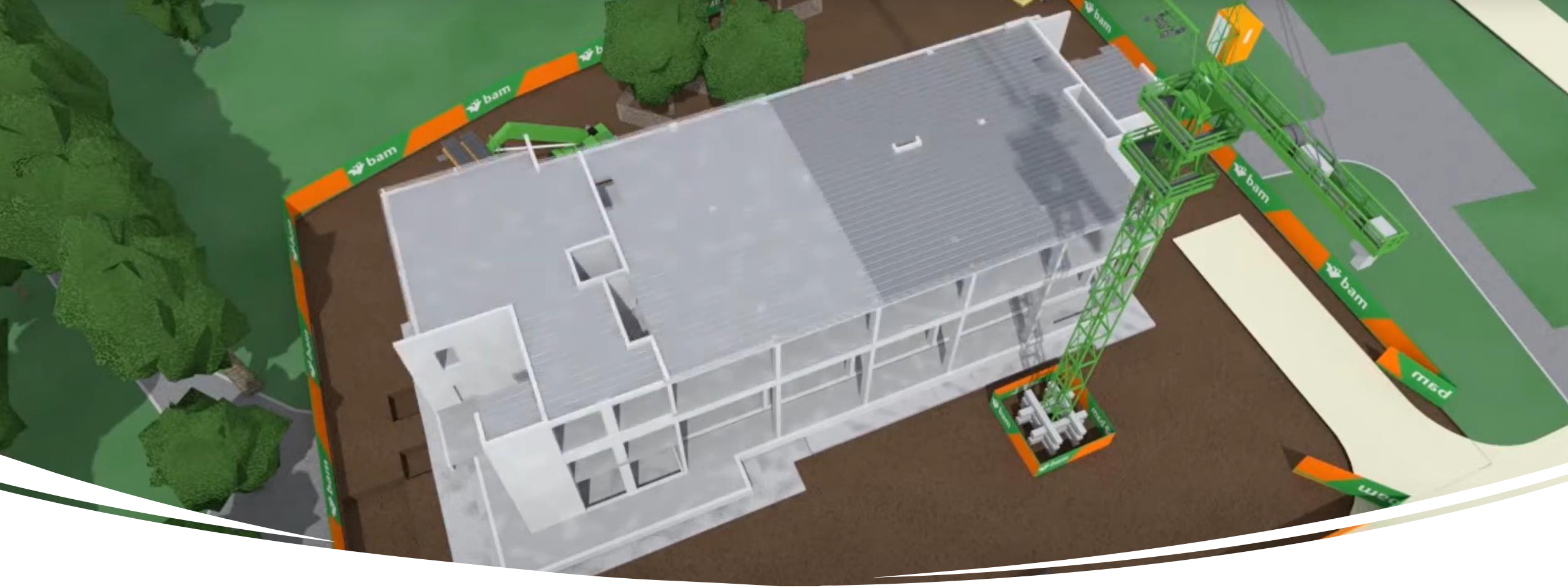
BIM Journey up to now?

High Quality Visualisations

Developing Coordinated Models

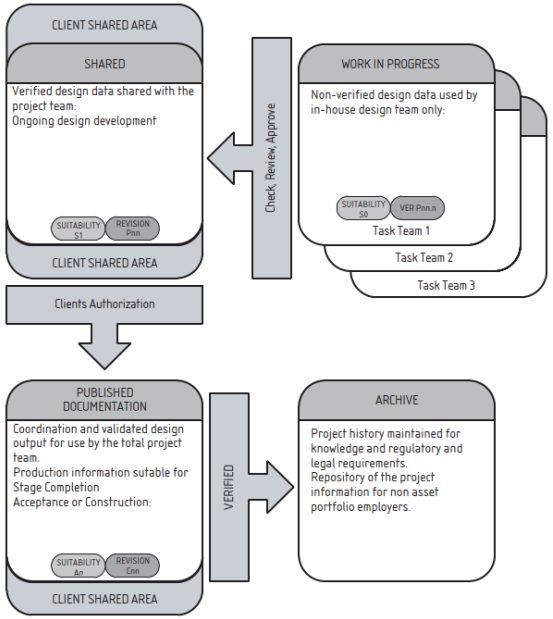


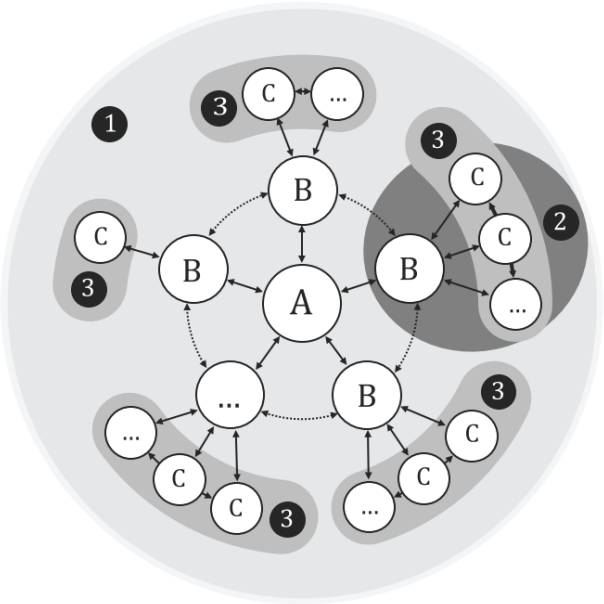


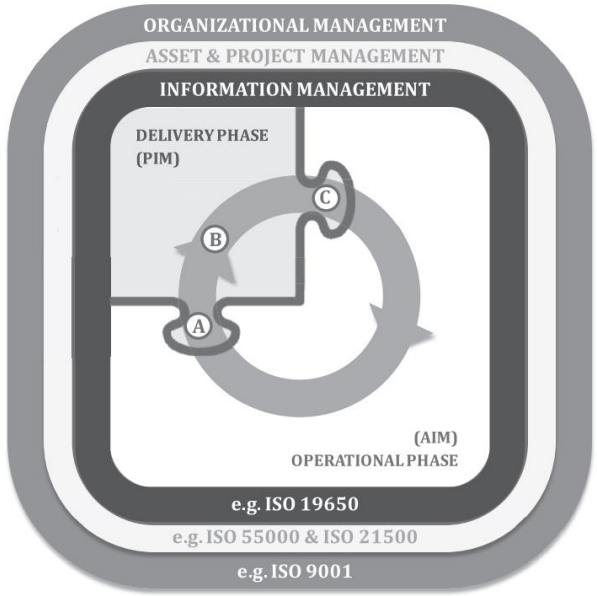
Planning the Construction

Ultra Complex Geometry

Information Management CDE

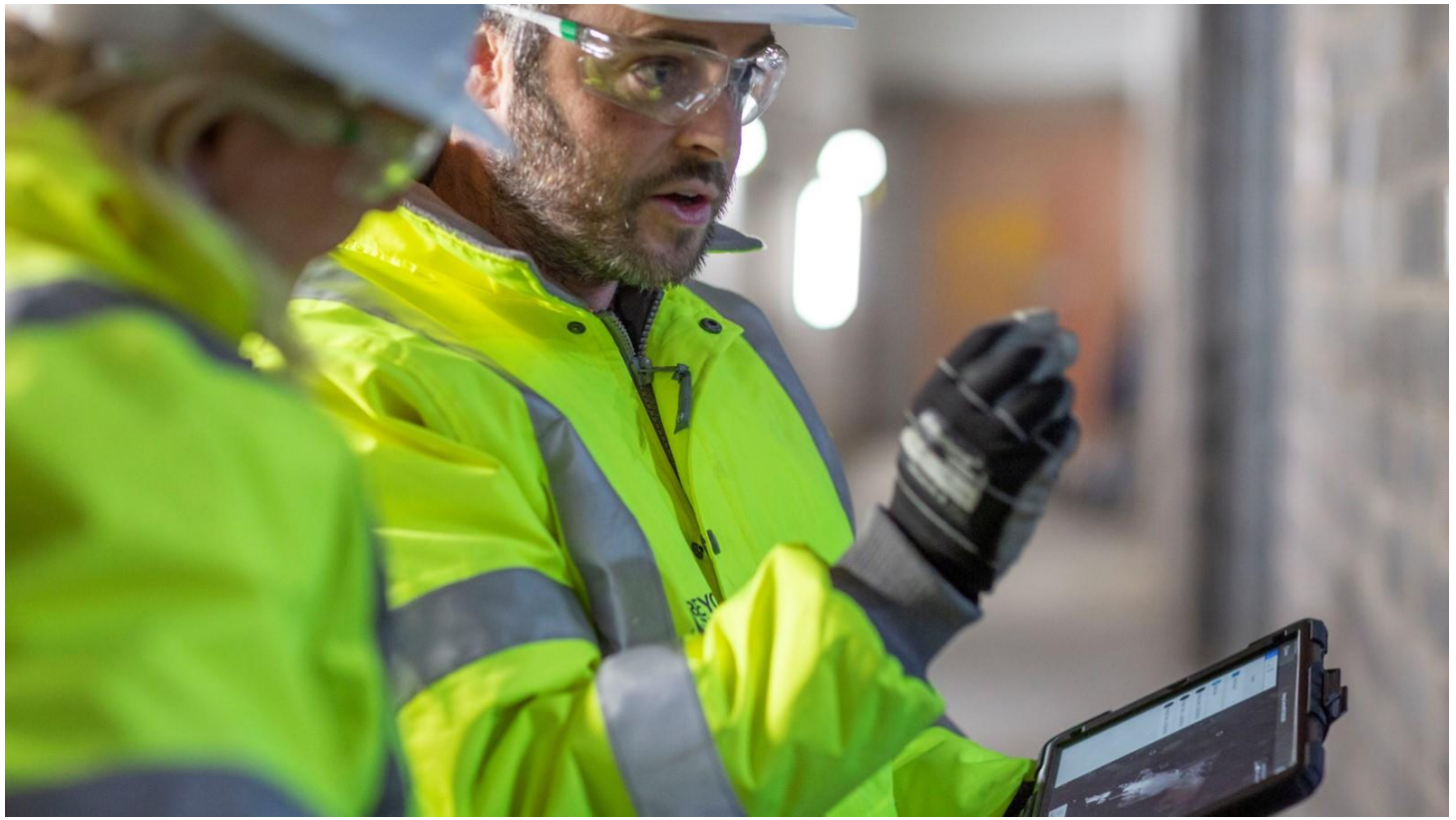




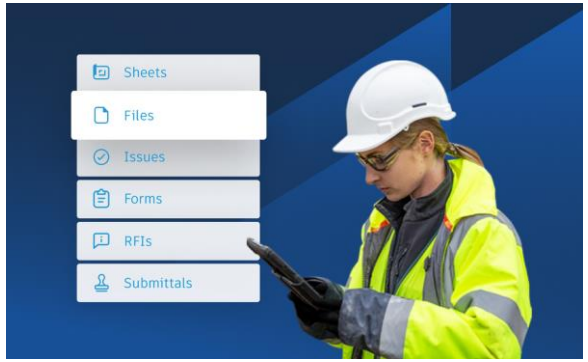


Project – Subproject or Phase – Element or System – Spatial zone – Level – Information type – Originator – Project role – Number

Information Management on Site



AUTODESK CONSTRUCTION CLOUD



Point Clouds

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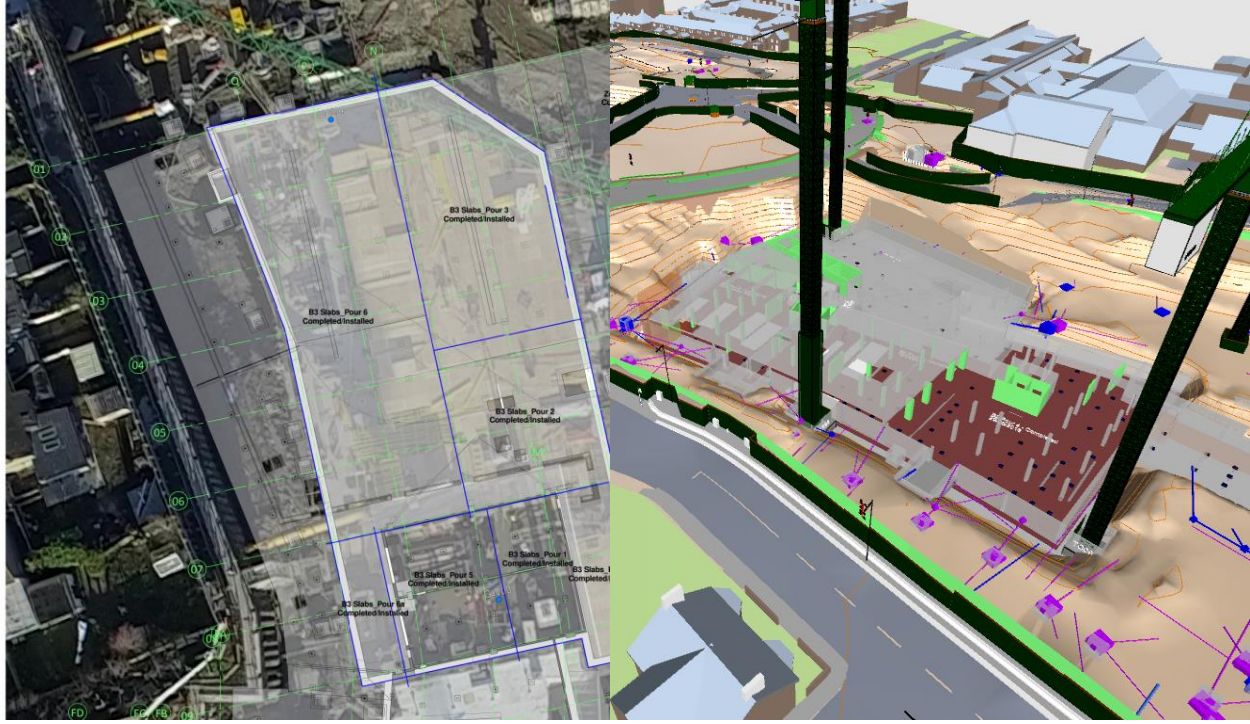
Combine Data for Informative Visuals



Site Capture

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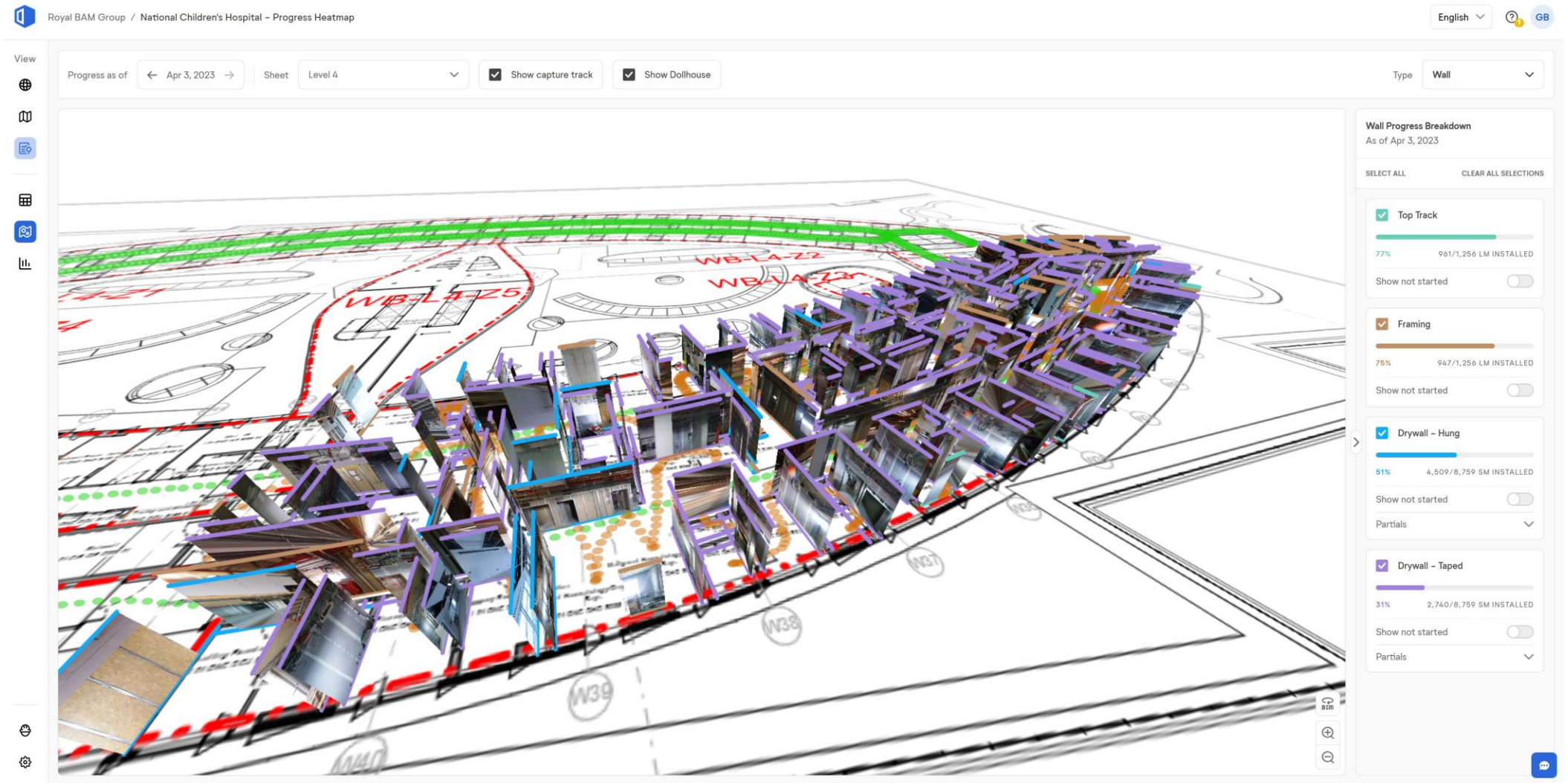
Monitoring Site Progress



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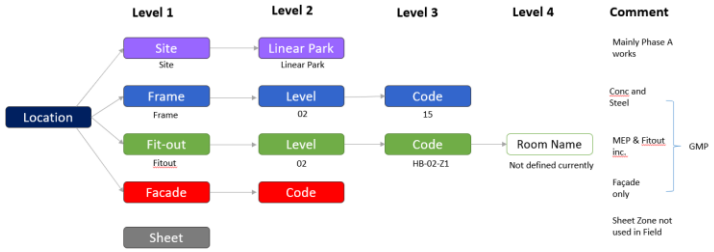
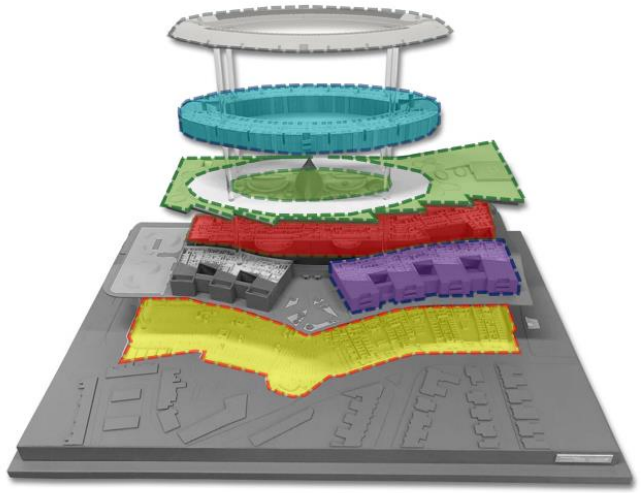
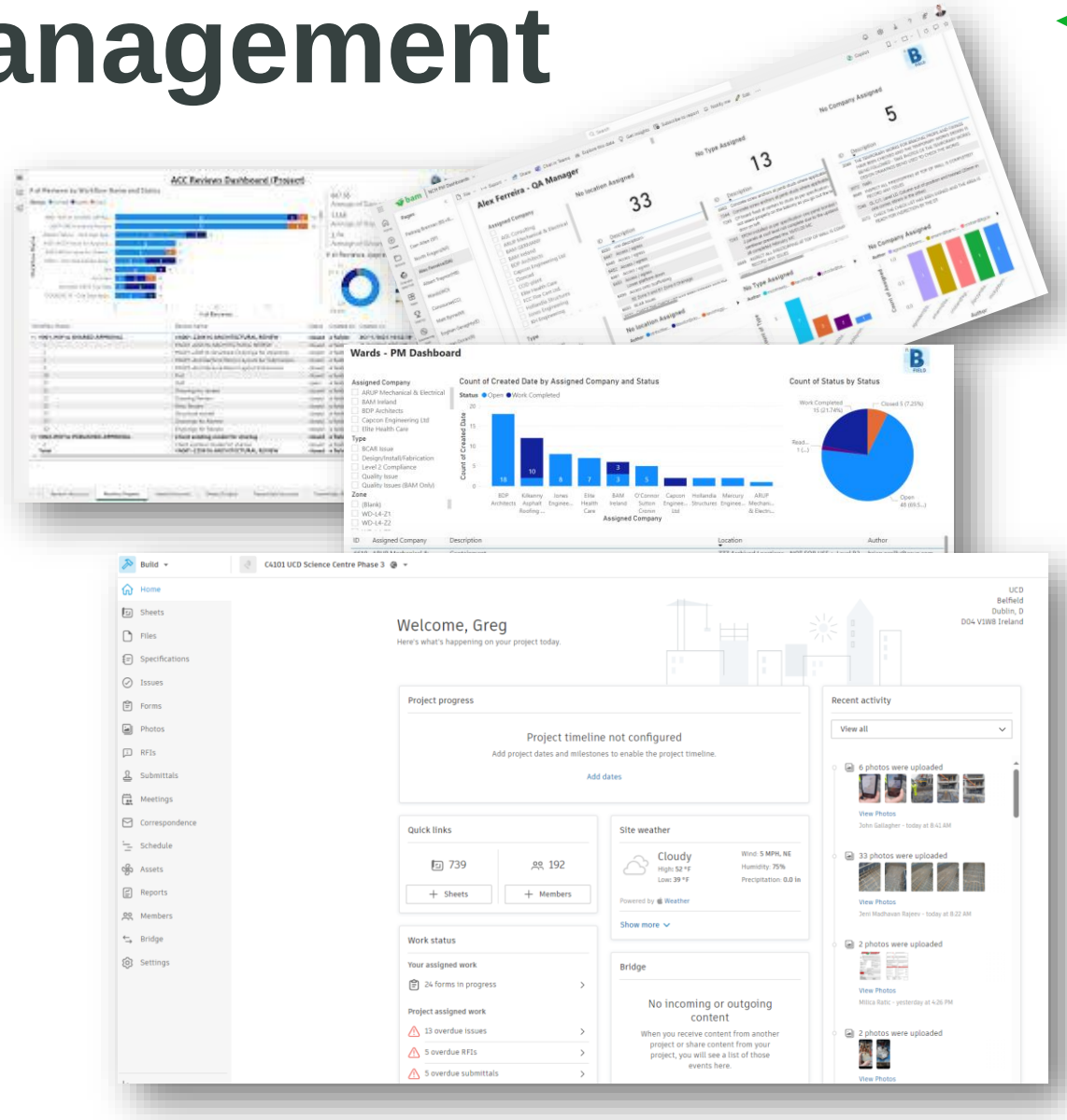
Data Driven Site Management

AUTODESK® BIM 360® FIELD
Location Breakdown Tree







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Facilities Management

Government BIM Mandate

Table: Public Sector BIM Adoption Timeline

Project Category Value	Milestones	Month
> 100m	Milestone 1 – Design Team only	Month 0
> 100m	Milestone 2 – Contractor and Supply Chain	Month 12
> 20m	Milestone 3 – Design Team only	Month 12
> 20m	Milestone 4 – Contractor and Supply Chain	Month 18
> 10m	Milestone 5 – Design Team only	Month 18
> 10m	Milestone 6 – Contractor and Supply Chain	Month 24
> 5m	Milestone 7 – Design Team only	Month 30
> 5m	Milestone 8 – Contractor and Supply Chain	Month 36
> 1m	Milestone 9 – Design Team only	Month 36
> 1m	Milestone 10 – Contractor and Supply Chain	Month 42
< 1m	Milestone 11 – Design Team only	Month 42
< 1m	Milestone 12 – Contractor and Supply Chain	Month 48

bam
DIGITAL IN ONS DNA
ENERGIE-TRANSITIE
MOBILITEIT
WOON- EN LEEFOMGEVING
KLIMAAT-BESCHERMING
SMART PRODUCTS
SMART DATA
SMART OPERATIONS
SMART FACTORIES
SAMENWERKEN MET EN VOOR KLANTEN EN OPDRACHTGEVERS
INTERDISCIPLINAIR WERKEN
Respect
SAMENWERKEN OVER PROJECTEN EN SEGMENTEN HEEN
Snel informatie delen
SAMENWERKEN MET PARTNERS
Klant-gericht
Meer gemak
Gezamelijk eigenaarschap
Werkplezier
DIGITAL ALS ENABLER
OM SAMEN TE BOUWEN AAN
EEN DUURZAME TOEKOMST

Where do we go now?

Digital Project Solutions

Digital Construction to Next Generation Digital at BAM

Government policy / legislation is forcing industry change	**Digital based contract deliverables are the new norm**	**Advances in digital & data use are a differentiator for BAM**	**Global industry trends require robust digital solutions**

Purpose…

Our purpose is to deliver a mature digital offering to meet our **clients & business requirements**. Digital Project Solutions will be **a trusted contributor to business success**. We deliver on the UKI's business ambitions through the use of **digital tools, advancing technologies, information management and data analytics**.

By the end of 2024 we have …

A fit for purpose function

Maximise our collective strengths

Improve our skills with using data

Develop our digital toolkit

Improved digital capability

Leader in digital use across our industry

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How to Make a Digital Professional

The hard way*

Take a ….

Arch Tech/Civil Eng/Survey Graduate any flavour.

Leave to prove, 2-3 years in a dark office/cabin.

Onsite heartache recommended.

Socialise at BIM events.

Dabble in modelling

Stir in a course and wait…..

Then….

Add another 2 years BIM experience.

Provide some unrealistic deadlines

~~Rise to BIM Level 2~~

Relearn - ISO 19650 and add in an audit.

Finally a light sprinkling of COBie

And hope that is enough….

Educators

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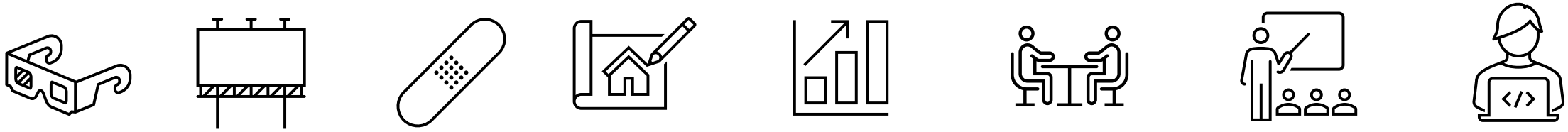
Digital Project Solutions

Competencies & Capabilities



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Thank you

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