





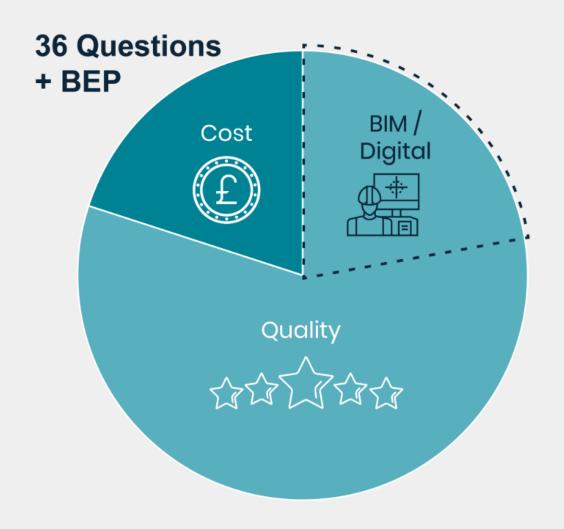




Digital @ HMP Five Wells

The Challange





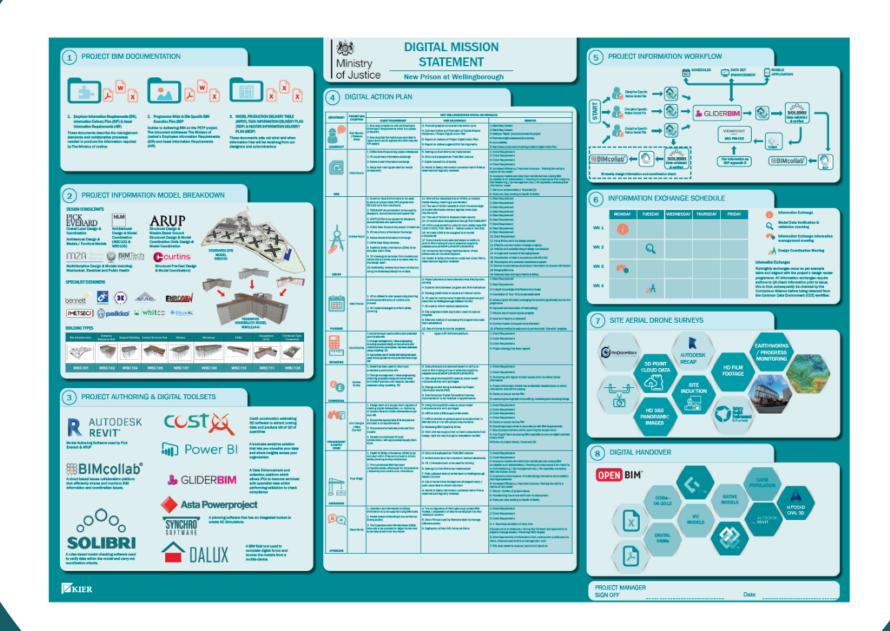


Deliver in accordance with the FIR/AIR

Deliver in accordance with the EIR/AIR (Robust BIM Level 2)

Ensure secure data handling throughout all project phases

- + KPI's including:
 - Visualisation
 - 4D
 - 5D QTO





譯**KC\$P** Head of BIM James Franklin



Wellingborough
Business Intelligence
Analyst
Colin Guscott



Wellingborough
BIM Coordinator
Roisin Vance



Wellingborough

Digital Construction

Apprentice

Rebecca Stabler

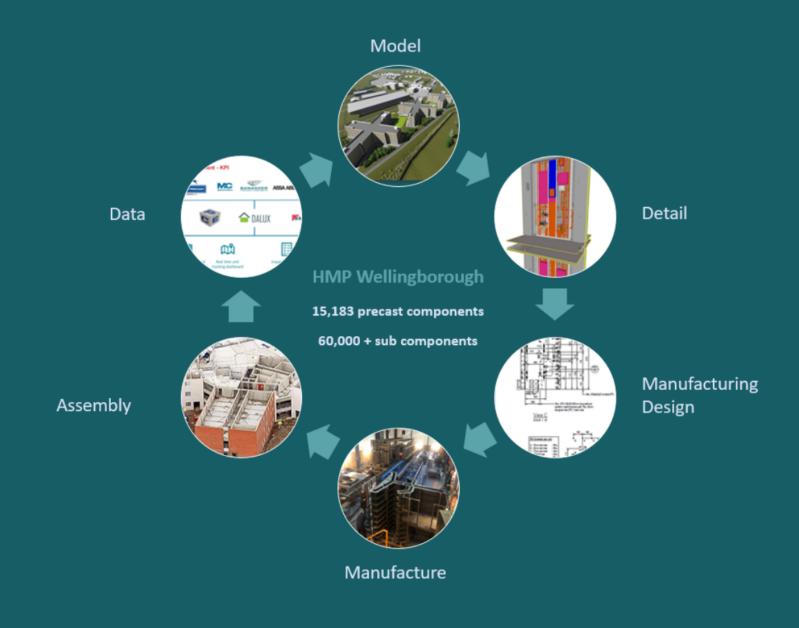


Wellingborough

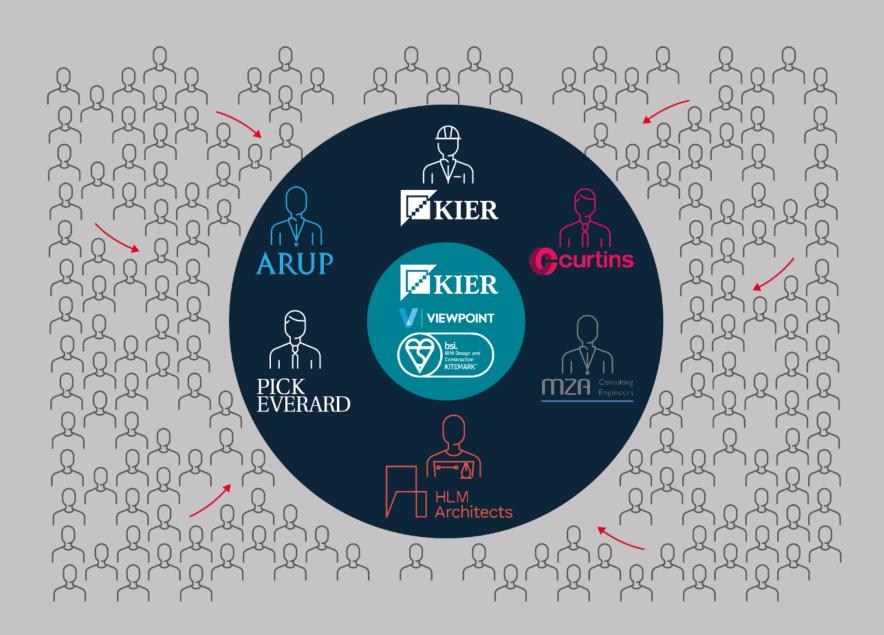
Digital Construction

Apprentice

Sam Almond







The PIM compromises of 283 models so far.....



Total Component count
408,029. Although
18,542,839 objects
have passed through

SOLIBRI





Detailed design required earlier in the programme to enable the manufacture of off-site components



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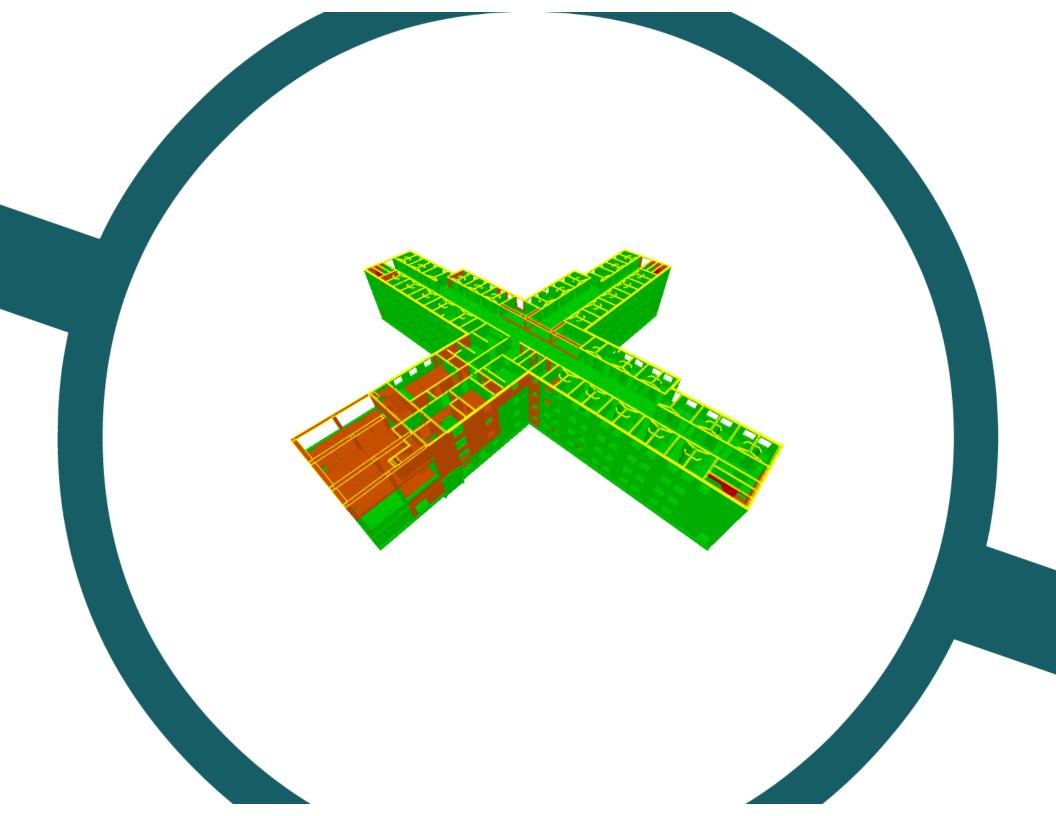




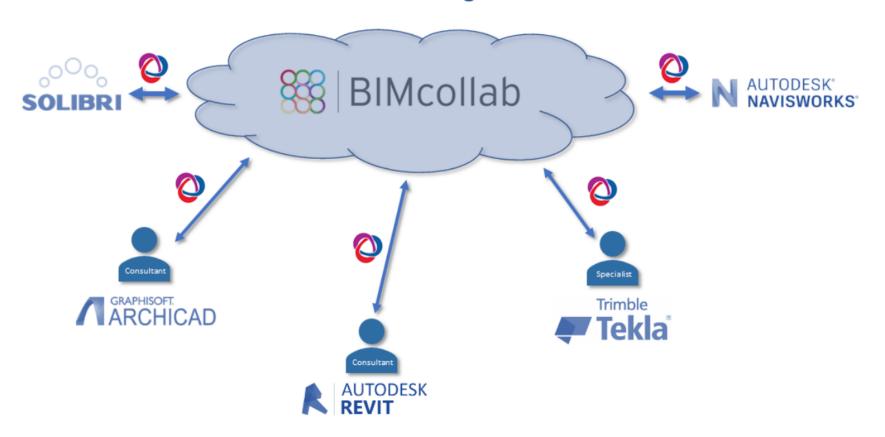
COBie Sheet Name:	COBie Attributes Name:	Required in IFC at end of Stage 3:	Required in IFC at end of Stage 6:	Typical Example Data & Format:	Required at Information Exchange:	Milestone / Purpose:	Information Supplier
Facility	Name	Yes	Yes	WBC102	3	Completion of RIBA Stage 3	Lead Designer
Facility	SiteName	Yes	Yes	Wellingborough Prison	3	Completion of RIBA Stage 3	Lead Designer
Floor	Name	Yes	Yes	Level 00	3	Completion of RIBA Stage 3	Lead Designer
Space Zone	Name Name	Yes Yes	Yes Yes	00-009 ZC01	3	Completion of RIBA Stage 3 Completion of RIBA Stage 3	Lead Designer
Type	Name	Yes	Yes	Door_Type10	3	Completion of RIBA Stage 3	Lead Designer Design Team
Type	CreatedOn	Yes	Yes	2019-04-13T15:33:35	3	Completion of RIBA Stage 3	Design Team
Type	Category	Yes	Yes	Uniclass2015 Pr Code	3	Completion of RIBA Stage 3	Design Team
Type	Description	Yes	Yes	Uniclass2015 Pr Description	3	Completion of RIBA Stage 3	Design Team
Туре	AssetType	Yes	Yes	Fixed or Movable	3	Completion of RIBA Stage 3	Design Team
Type	NominalLength	Yes	Yes	100	3	Completion of RIBA Stage 3	Design Team
Type	NominalWidth	Yes	Yes	1010	3	Completion of RIBA Stage 3	Design Team
Туре	NominalHeight	Yes	Yes	2100	3	Completion of RIBA Stage 3	Design Team
Component	Name	Yes	Yes	XXXX-00001 (See MoJ Nomenclature)	3	Completion of RIBA Stage 3	Design Team
Component	CreatedOn	Yes	Yes	2019-04-13T15:33:35	3	Completion of RIBA Stage 3	Design Team
Component	Description	Yes	Yes	Description of Component	3	Completion of RIBA Stage 3	Design Team
System	CreatedOn	Yes	Yes	2019-04-13T15:33:35	3	Completion of RIBA Stage 3	Design Team
Attribute Attribute	SystemName	P D	Yes	To be populated as required	3	Completion of RIBA Stage 3 Completion of RIBA Stage 3	Design Team
Attribute	SystemDescription SystemCategory	D D	Yes Yes	To be populated as required To be populated as required	3	Completion of RIBA Stage 3	Design Team Design Team
	Manufacturer	p	Yes		3		
Type	MadelNumber	P	100	company@email.co.uk	4	Completion of RIBA Stage 6 Completion of RIBA Stage 6	Sub-contractor / Supplier Sub-contractor / Supplier
Type	ModelReference	P	Yes Yes	Unique Reference to be populated Unique Reference to be populated	4	Completion of RIBA Stage 6	Sub-contractor / Supplier Sub-contractor / Supplier
Type	Shape Shape	P	Yes Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier Sub-contractor / Supplier
Type Type	Color	P	Yes	To be populated as required To be populated as required	,	Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	Finish	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	Grade	p	Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Type	Material	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Attribute	ContentAuthor	Yes	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	ContentRevision	Yes	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Altribute	ContentSoftwareName	Yes	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	ContentSoftwareVersion	Yes	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Altribute	ContentSuitability	Yes	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	ManufacturerName	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Attribute	AcousticRating	Р	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	FireRating	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Altribute	Ironmongery Set	Р	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	IsExternal	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	SelfClosing	Р	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute Attribute	SecurityRating	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
	ThermalTransmittance		Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	EmbodiedEnergy	Р	Yes	To be populated as required	4	Completion of RIBA Stage 5	Sub-contractor / Supplier
Attribute	GlobalWarmingPotential	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Attribute	VolatileOrganicCompounds	P	Yes	To be populated as required	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Type	WarrantyGuarantorParts	P	Yes	company@email.co.uk	5	Completion of RIBA Stage 5	Sub-contractor / Supplier
Type	WarrantyOurationParts	P	Yes	5	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	WarrantyGuarantorLabor		Yes	company@email.co.uk	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	WarrantyOurationLabor	P	Yes	5	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Type	WarrantyDurationUnit	P	Yes	15	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Type	ReplacementCost ExpectedLife	P P	Yes Yes	500.50 15	5	Completion of RIBA Stage 6 Completion of RIBA Stage 6	Sub-contractor / Supplier
Type Type	DurationUnit	P	Yes	15	5	Completion of RIBA Stage 6	Sub-contractor / Supplier Sub-contractor / Supplier
	WarrantyDescription	P	Yes	e.g. Replacement Warranty	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Type Component	SerialNumber	D D	Yes	Unique Reference to be populated	6	Completion of RIBA Stage 6	Sub-contractor / Supplier
Component	InstallationDate	P	Yes	2019-04-13T15:33:35	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Component	WarrantyStartDate	Р	Yes	2019-04-13T15:33:35	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Component	TagNumber	Р	Yes	Unique Reference to be populated	- 6	Completion of RIBA Stage 6	Sub-contractor / Supplier
Component	BarCode	Р	Yes	Unique Reference to be populated	- 5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Component	AssetIdentifier	P	Yes	Unique Reference to be populated	6	Completion of RIBA Stage 6	Sub-contractor / Supplier
Type	ExtSystem	A	A	ARCHICAD-64	A	Automated Attribute	Design Team
Type	ExtObject	A	A	lfcObject	A	Automated Attribute	Design Team
Type	Extidentifier	A	A	2KA_sIP2kDHZbeCoPqmlEa	A	Automated Attribute	Design Team
Component	ExtSystem	A	A	ARCHICAD-64	Ą	Automated Attribute	Design Team
Component	ExtObject	A	۸	IfcObject	Α	Automated Attribute	Design Team
Component	Extidentifier	A	A	0h3Evcz_eV1Z6O4QSANBsH	A	Automated Attribute	Design Team
System	ExtSystem ExtObact	A	A A	ARCHICAD 64	A A	Automated Attribute Automated Attribute	Design Team
System	ExtObject ExtIdentifier	A	A	ltcPropertySingleValue n/a	A	Automated Attribute Automated Attribute	Design Team
System Type	Size	P	P	1010 x 2100 x 100	P	Placedholder Attribute	Design Team Sub-contractor / Supplier
Туре	Constituents	P	P	To be populated as required	P	Placedholder Attribute	Sub-contractor / Supplier
Туре	Features	P	P	To be populated as required	P	Placedholder Attribute	Sub-contractor / Supplier
Туре	AccessibilityPerformance	P	P	To be populated as required	P	Placedholder Attribute	Sub-contractor / Supplier
Type	CodePerformance	Р	P	To be populated as required	P	Placedholder Attribute	Sub-contractor / Supplier
Type	Sustainability/Performance	P	P	To be populated as required	P	Placedholder Attribute	Sub-contractor / Supplier
Type	CreatedBy	R	R	company@email.co.uk	R	Referenced to other COBie Sheet	Design Team
Component	CreatedBy	R	R	company@email.co.uk	R	Referenced to other COBie Sheet	Design Team
Component	TypeName	R	R	XXX_Type01 (See MoJ Nomenclature)	R	Referenced to other COBie Sheet	Design Team
Component	Space	R	R	00-009,00-011	R	Referenced to other COBie Sheet	Design Team
System	CreatedBy	R	R	company@email.co.uk	R	Referenced to other COBie Sheet	Design Team
System	ComponentNames	R	R	D-018, D-185, D-183, etc	R	Referenced to other COBie Sheet	Design Team
uyee9111	pomponentianies	T.		D-010, G-103, D-103, 810	Α	Investment of construction of the construction	Deargn 18801

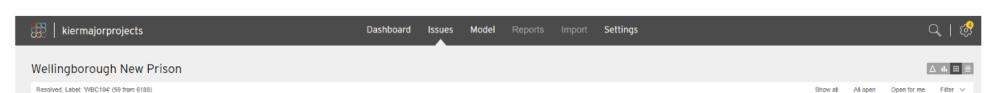
COBie Sheet Name:	COBie Attributes Name:	Required in IFC at end of Stage 3:	Required in IFC at end of Stage 6:	Typical Example Data & Format:	Required at Information Exchange:	Milestone / Purpose:	Information Supplier
Facility	Name	Yes	Yes	WBC102	3	Completion of RIBA Stage 3	Lead Designer
Facility	SiteName	Yes	Yes	Wellingborough Prison	3	Completion of RIBA Stage 3	Lead Designer
Floor	Name	Yes	Yes	Level 00	3	Completion of RIBA Stage 3	Lead Designer
Space	Name	Yes	Yes	00-009	3	Completion of RIBA Stage 3	Lead Designer
Zone	Name	Yes	Yes	ZC01	3	Completion of RIBA Stage 3	Lead Designer
Туре	Name	Yes	Yes	Door_Type10	3	Completion of RIBA Stage 3	Design Team
Туре	CreatedOn	Yes	Yes	2019-04-13T15:33:35	3	Completion of RIBA Stage 3	Design Team
Туре	Category	Yes	Yes	Uniclass2015 Pr Code	3	Completion of RIBA Stage 3	Design Team
Туре	Description	Yes	Yes	Uniclass2015 Pr Description	3	Completion of RIBA Stage 3	Design Team
Туре	AssetType	Yes	Yes	Fixed or Movable	3	Completion of RIBA Stage 3	Design Team
Туре	NominalLength	Yes	Yes	100	3	Completion of RIBA Stage 3	Design Team
Type	NominalWidth	Yes	Yes	1010	3	Completion of RIBA Stage 3	Design Team
Туре	NominalHeight	Yes	Yes	2100	3	Completion of RIBA Stage 3	Design Team
Component	Name	Yes	Yes	XXXX-00001 (See MoJ Nomenclature)	3	Completion of RIBA Stage 3	Design Team
Component	CreatedOn	Yes	Yes	2019-04-13T15:33:35	3	Completion of RIBA Stage 3	Design Team
Component	Description	Yes	Yes	Description of Component	3	Completion of RIBA Stage 3	Design Team
System	CreatedOn	Yes	Yes	2019-04-13T15:33:35	3	Completion of RIBA Stage 3	Design Team
Attribute	SystemName System Pagasistics	P	Yes Yes	To be populated as required	3	Completion of RIBA Stage 3 Completion of RIBA Stage 3	Design Team
Attribute Attribute	SystemDescription System Catalogue	P		To be populated as required	3		Design Team
_	SystemCategory	P	Yes	To be populated as required	4	Completion of RIBA Stage 3	Design Team
Type	Manufacturer		Yes	company@email.co.uk		Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	ModelNumber	Р	Yes	Unique Reference to be populated	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	ModelReference	P	Yes	Unique Reference to be populated	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Type	Shape	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	Color		Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Type	Finish	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Type	Grade Material	P	Yes Yes	To be populated as required	<u>4</u> Δ	Completion of RIBA Stage 6 Completion of RIBA Stage 6	Sub-contractor / Supplier
Type	ContentAuthor			To be populated as required	4		Sub-contractor / Supplier
Attribute Attribute	ContentAuthor	Yes	Yes Yes	To be populated as required	Δ	Completion of RIBA Stage 6 Completion of RIBA Stage 6	Design Team Design Team
Attribute	ContentRevision	Yes Yes	Yes	To be populated as required To be populated as required	4	Completion of RIBA Stage 6	Design Team Design Team
Attribute	ContentSoftwareVersion	Yes	Yes	To be populated as required To be populated as required	4	Completion of RIBA Stage 6	Design Team Design Team
Attribute	ContentSuitability	Yes	Yes	To be populated as required To be populated as required	4	Completion of RIBA Stage 6	Design Team Design Team
Attribute	ManufacturerName	D Les	Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Attribute	AcousticRating	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	FireRating	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team Design Team
Attribute	IronmongerySet	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team Design Team
Attribute	IsExternal	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	SelfClosing	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	SecurityRating	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	ThermalTransmittance	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	EmbodiedEnergy	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Attribute	GlobalWarmingPotential	P	Yes	To be populated as required To be populated as required	4		
Attribute	VolatileOrganicCompounds	P D	Yes	To be populated as required To be populated as required	4	Completion of RIBA Stage 6 Completion of RIBA Stage 6	Sub-contractor / Supplier Sub-contractor / Supplier
	WarrantyGuarantorParts	P	Yes		5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Type		P		company@email.co.uk		,	
Туре	WarrantyDurationParts		Yes	5	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	WarrantyGuarantorLabor	Р	Yes	company@email.co.uk	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	WarrantyDurationLabor	Р	Yes	5	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	WarrantyDurationUnit	Р	Yes	15	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	ReplacementCost	P	Yes	500.50	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	ExpectedLife	Р	Yes	15	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	DurationUnit	P	Yes	15	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	WarrantyDescription	P	Yes	e.g. Replacement Warranty	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Component	SerialNumber	P	Yes	Unique Reference to be populated	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Component	InstallationDate	P	Yes	2019-04-13T15:33:35	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Component	WarrantyStartDate	Р	Yes	2019-04-13T15:33:35	5	Completion of RIBA Stage 6	Sub-contractor / Supplier

T	Color	Р	V	To be assulated as assuited	4	Consolation of DIDA Chang C	Cub contractor / Curalica
·7F-	Finish	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
-71-		P	Yes	To be populated as required		Completion of RIBA Stage 6	Sub-contractor / Supplier
-71-	Grade		Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
-71-	Material	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Attribute	ContentAuthor	Yes	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	ContentRevision	Yes	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	ContentSoftwareName	Yes	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	ContentSoftwareVersion	Yes	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	ContentSuitability	Yes	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
	ManufacturerName	Р	Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Attribute	AcousticRating	Р	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
	FireRating	Р	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	IronmongerySet	Р	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	IsExternal	Р	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	SelfClosing	Р	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	SecurityRating	Р	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	ThermalTransmittance	Р	Yes	To be populated as required	4	Completion of RIBA Stage 6	Design Team
Attribute	EmbodiedEnergy	Р	Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Attribute	GlobalWarmingPotential	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Attribute	VolatileOrganicCompounds	P	Yes	To be populated as required	4	Completion of RIBA Stage 6	Sub-contractor / Supplier
Type	WarrantyGuarantorParts	P	Yes	company@email.co.uk	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
**		P					
Туре	WarrantyDurationParts		Yes	5	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	WarrantyGuarantorLabor	Р	Yes	company@email.co.uk	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Type	WarrantyDurationLabor	Р	Yes	5	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	WarrantyDurationUnit	Р	Yes	15	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Туре	ReplacementCost	Р	Yes	500.50	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Type	ExpectedLife	Р	Yes	15	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Type	DurationUnit	Р	Yes	15	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Type	WarrantyDescription	Р	Yes	e.g. Replacement Warranty	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Component	SerialNumber	Р	Yes	Unique Reference to be populated	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Component	InstallationDate	Р	Yes	2019-04-13T15:33:35	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Component	WarrantyStartDate	Р	Yes	2019-04-13T15:33:35	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Component	TagNumber	P	Yes	Unique Reference to be populated	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Component	BarCode	Р	Yes	Unique Reference to be populated	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Component	AssetIdentifier	P	Yes	Unique Reference to be populated	5	Completion of RIBA Stage 6	Sub-contractor / Supplier
Type	ExtSystem	A	Α	ARCHICAD-64	A	Automated Attribute	Design Team
Type	ExtObject	Α	Α	lfcObject	Α	Automated Attribute	Design Team
Туре	ExtIdentifier	A	Α	2KA sIP2kDHZbeCoPqmlEa	A	Automated Attribute	Design Team
Component	ExtSystem	Α	Α	ARCHICAD-64	A	Automated Attribute	Design Team
Component	ExtObject	Α	Α	lfcObject	A	Automated Attribute	Design Team
Component	ExtIdentifier	A	Α	0h3Evcz eV1Z6O4QSANBsH	A	Automated Attribute	Design Team
System	ExtSystem	A	A	ARCHICAD-64	A	Automated Attribute	Design Team
System	ExtObject	A	Α	lfcPropertySingleValue	A	Automated Attribute	Design Team
System	ExtIdentifier	A	A	n/a	A	Automated Attribute	Design Team
Туре	Size	P	P	1010 x 2100 x 100	P	Placedholder Attribute	Sub-contractor / Supplier
Туре	Constituents	P	P	To be populated as required	P	Placedholder Attribute	Sub-contractor / Supplier
Type	Features	P	P	To be populated as required	P	Placedholder Attribute	Sub-contractor / Supplier
Type	AccessibilityPerformance	P	P	To be populated as required	P	Placedholder Attribute	Sub-contractor / Supplier
Туре	CodePerformance	P	P	To be populated as required	P	Placedholder Attribute	Sub-contractor / Supplier
Type	SustainabilityPerformance	P	P	To be populated as required	P	Placedholder Attribute	Sub-contractor / Supplier
Туре	CreatedBy	R	R	company@email.co.uk	R	Referenced to other COBie Sheet	Design Team
Component	CreatedBy	R	R	company@email.co.uk	R	Referenced to other COBie Sheet	Design Team
Component	TypeName	R	R	XXXX_Type01 (See MoJ Nomenclature)	R	Referenced to other COBie Sheet	Design Team
Component	Space	R	R	00-009,00-011	R	Referenced to other COBie Sheet	Design Team
System	CreatedBy	R	R	company@email.co.uk	R	Referenced to other COBie Sheet	Design Team
System	ComponentNames	R	R	D-018, D-185, D-183, etc	R	Referenced to other COBie Sheet	Design Team



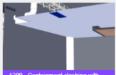
Model Issue Management







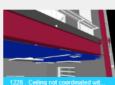
Pranav Patel Resolved, Normal (5 -7 Days) Undecided



Luca DiBella Resolved, Normal (5 -7 Days) Stage 4b



Chris Gilbert Resolved, Normal (5 -7 Days) Stage 4b



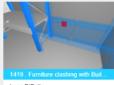
Chris Gilbert Resolved, Normal (5 -7 Days) Stage 4b



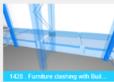
Luca DiBella Resolved, Normal (5 -7 Days) Stage 4b



1407 Outlet clashing with Structu...
Luca DiBella
Resolved, Normal (5 -7 Days)
Stage 4b



Luca DiBella Resolved, Normal (5 -7 Days) Stage 4b



Luca DiBella Resolved, Normal (5 -7 Days) Stage 4b



Luca DiBella Resolved, Normal (5 -7 Days) Stage 4b



Luca DiBella Resolved, Normal (5 -7 Days) Stage 4b



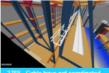
Luca DiBella Resolved, Normal (5 -7 Days) Stage 4b



Luca DiBella Resolved, Normal (5 -7 Days) Stage 4b



Luca DiBella Resolved, Normal (5 -7 Days) Stage 4b



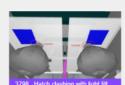
3768 Cable trays not coordinated Luca DiBella Resolved, Normal (5 -7 Days) Stage 4b



Luca DiBella
Resolved, Normal (5 -7 Days)
Stage 4b



Luca DiBella Resolved, Normal (5 -7 Days) Stage 4b



Joanna Kecka Resolved, Normal (5 -7 Days) Stage 4b



Luca DiBella Resolved, Normal (5 -7 Days) Stage 4b



Luca DiBella Resolved, Normal (5-7 Days) Stage 4b



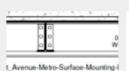
Luca DiBella
Resolved, Normal (5 -7 Days)
Stage 5



Luca DiBella
Resolved, Normal (5 -7 Days)
Stage 5



Luca DiBella Resolved, Normal (5 -7 Days) Stage 5



5367 . MEP Issues - Architectura Luca DiBella Resolved, Normal (5 -7 Days) Stage 5



Luca DiBella Resolved, Normal (5 -7 Days) Stage 5

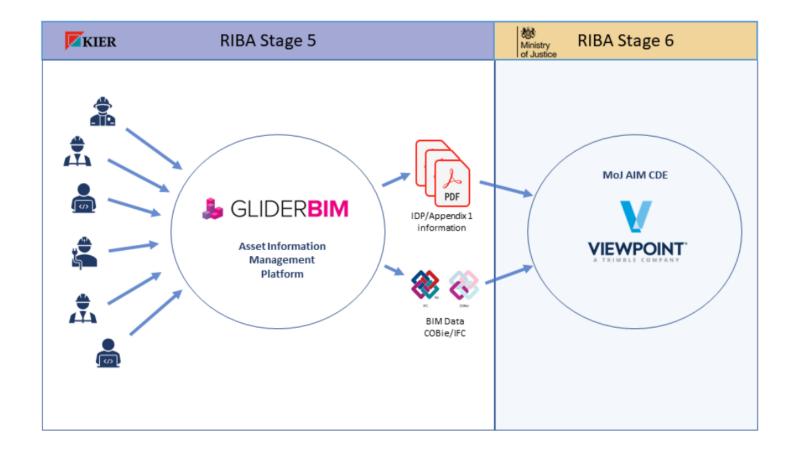


"Out of the 5,000 (approx) COBie files that the MoJ have received, Wellingborough is the by far the finest example to date."

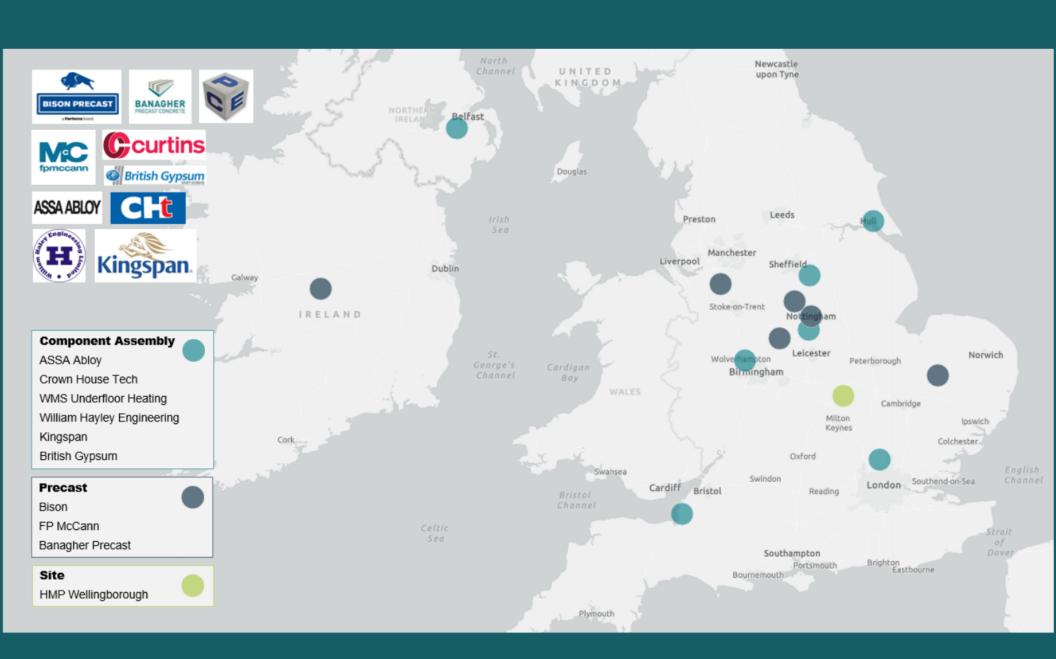
Bill Davis, Head of Technical Standards and BIM, Ministry of Justice











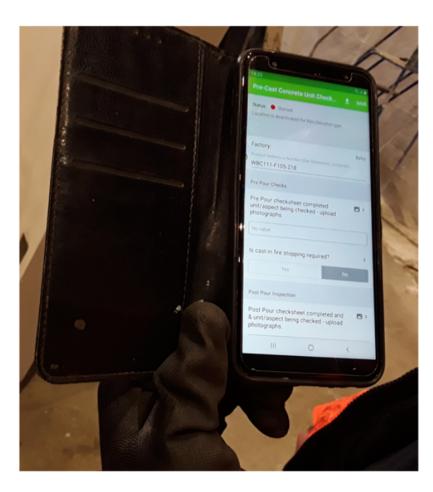
Multi-location real time management

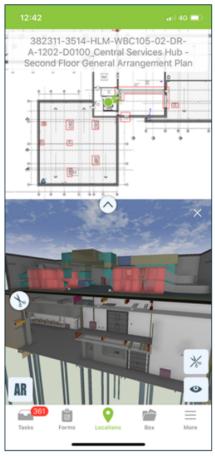




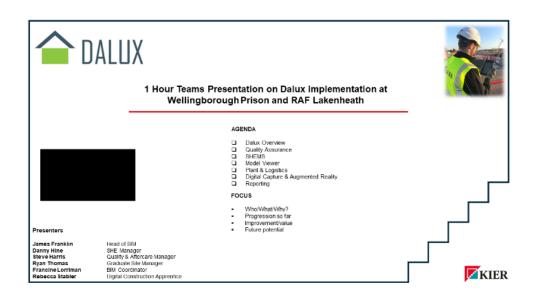
Quality control and data transparency













"Handover information packs presented to the client team from Dalux for the foundations at Wellingborough has been the best example of quality records we have seen to date, with these to be used as an important tool at handover."

Jessica Spain, Senior Project Manager, Mace



"With almost 5,000 individual precast concrete components to manufacture, providing a sufficiently informative quality assurance record for each would have been challenging without the use of the Dalux QA tracking system. Through it, we are able to create a definitive, instantaccess visual record of every single

component at key milestones in its production.

In addition to providing Kier and their client robust quality assurance, the Dalux QA system has proven to be an invaluable tool for us at Bison in tracking the progress of this significant project. The ease with which the records can be created and accessed has provided real timesaving benefits. As a result of our experience, we are now considering the implementation of digital quality assurance software across the whole Bison business."

Mike Nelson, Commercial Director, Bison Precast







1 Hour Teams Presentation on Dalux implementation at Wellingborough Prison and RAF Lakenheath



Presenters

James Franklin Danny Hine Steve Harris Ryan Thomas Francine Lorriman Head of BIM SHE Manager Quality & Aftercare Manager Graduate Site Manager

BIM Coordinator

Rebecca Stabler

Digital Construction Apprentice

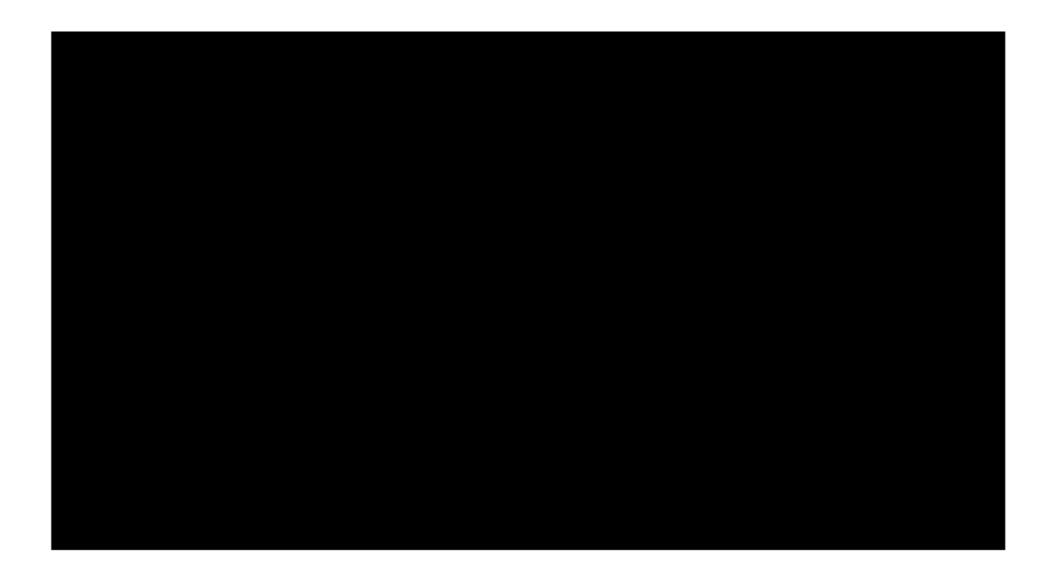
AGENDA

- Dalux Overview
- Quality Assurance
- ☐ SHEMS
- Model Viewer
- Plant & Logistics
- Digital Capture & Augmented Reality
- Reporting

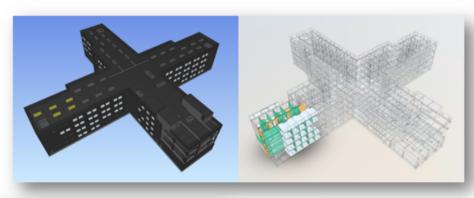
FOCUS

- Who/What/Why?
- Progression so far
- Improvement/value
- Future potential

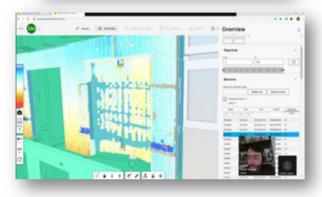




Scanning – Build Verification













Kier Wellingborough Prison

Time Lapse Video

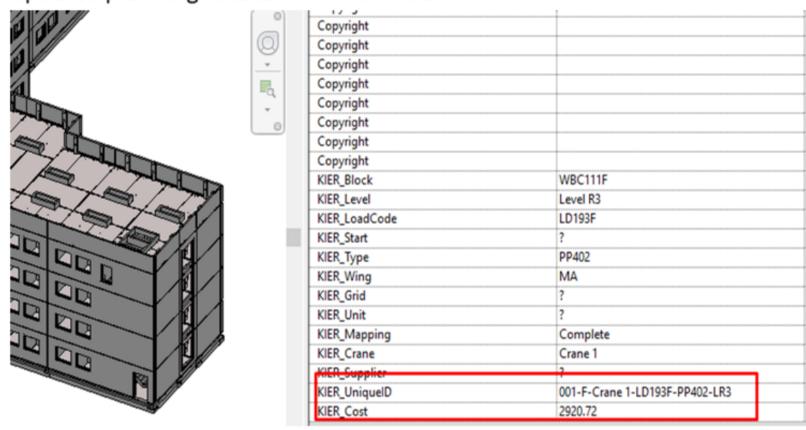
21st July 2018 to 27th April 2020

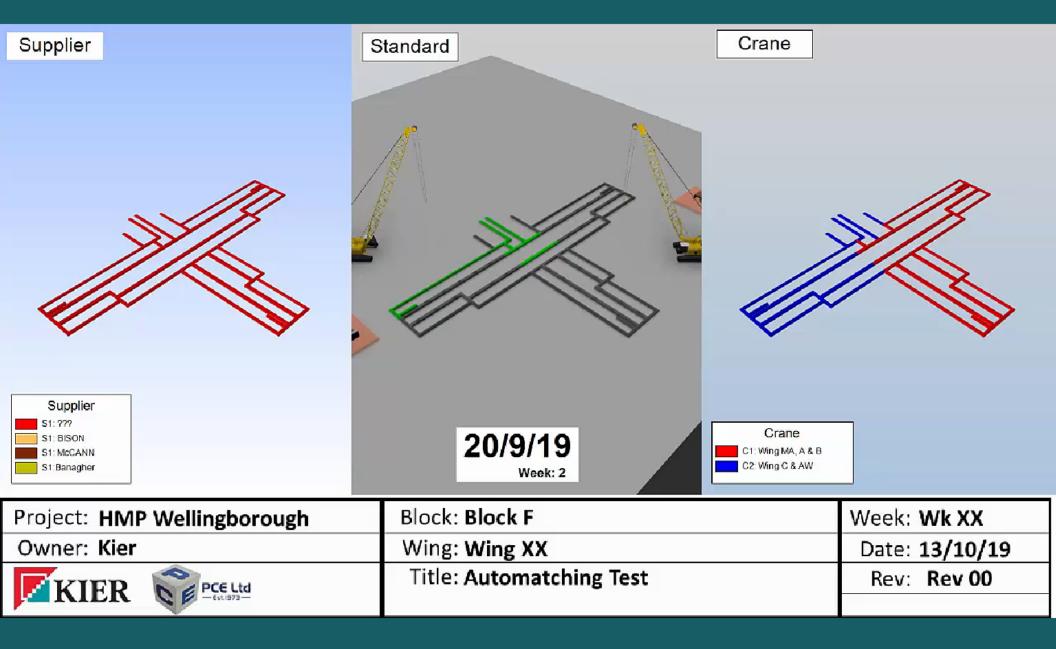
www.ProDroneWorx.co.uk

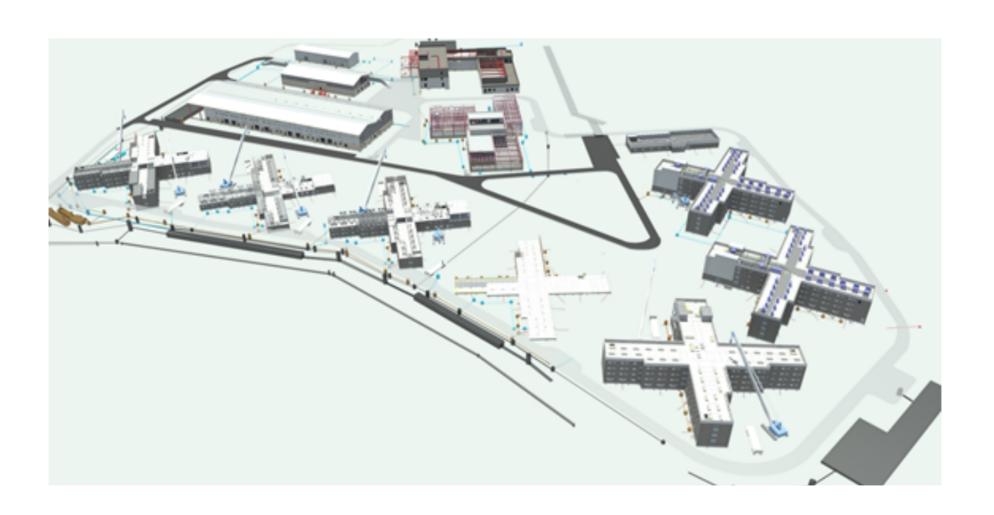


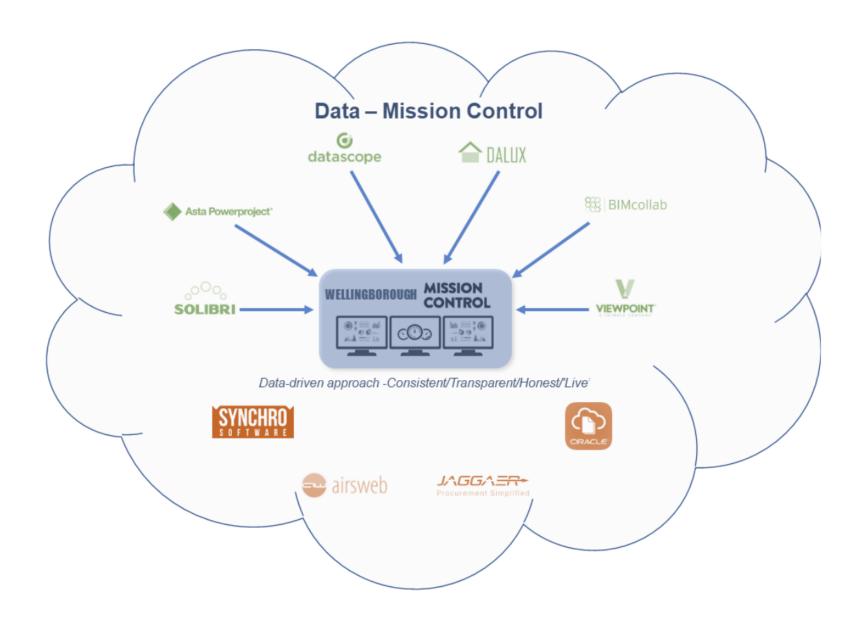


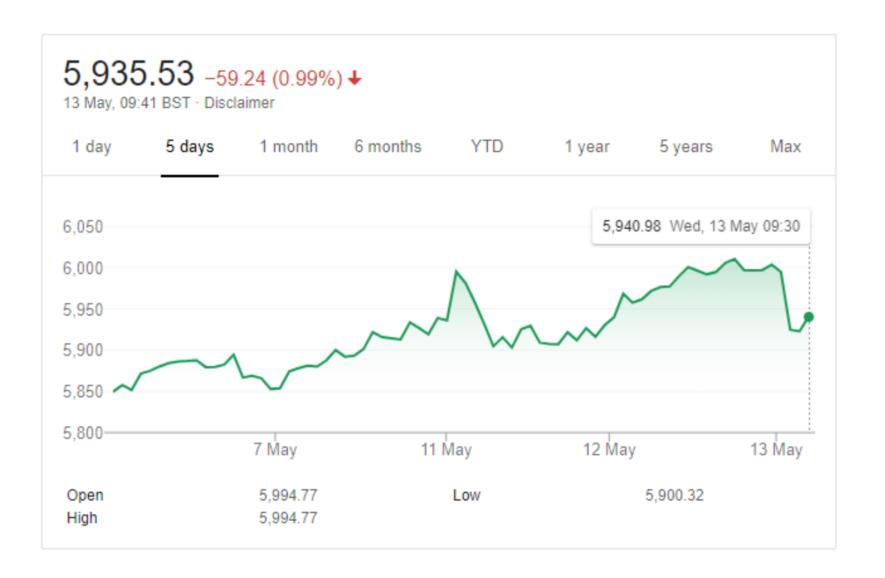
Updated planning data set in Revit model















datascope



of improved performance and better outcomes compared to traditional through submission of objective measurement data.







