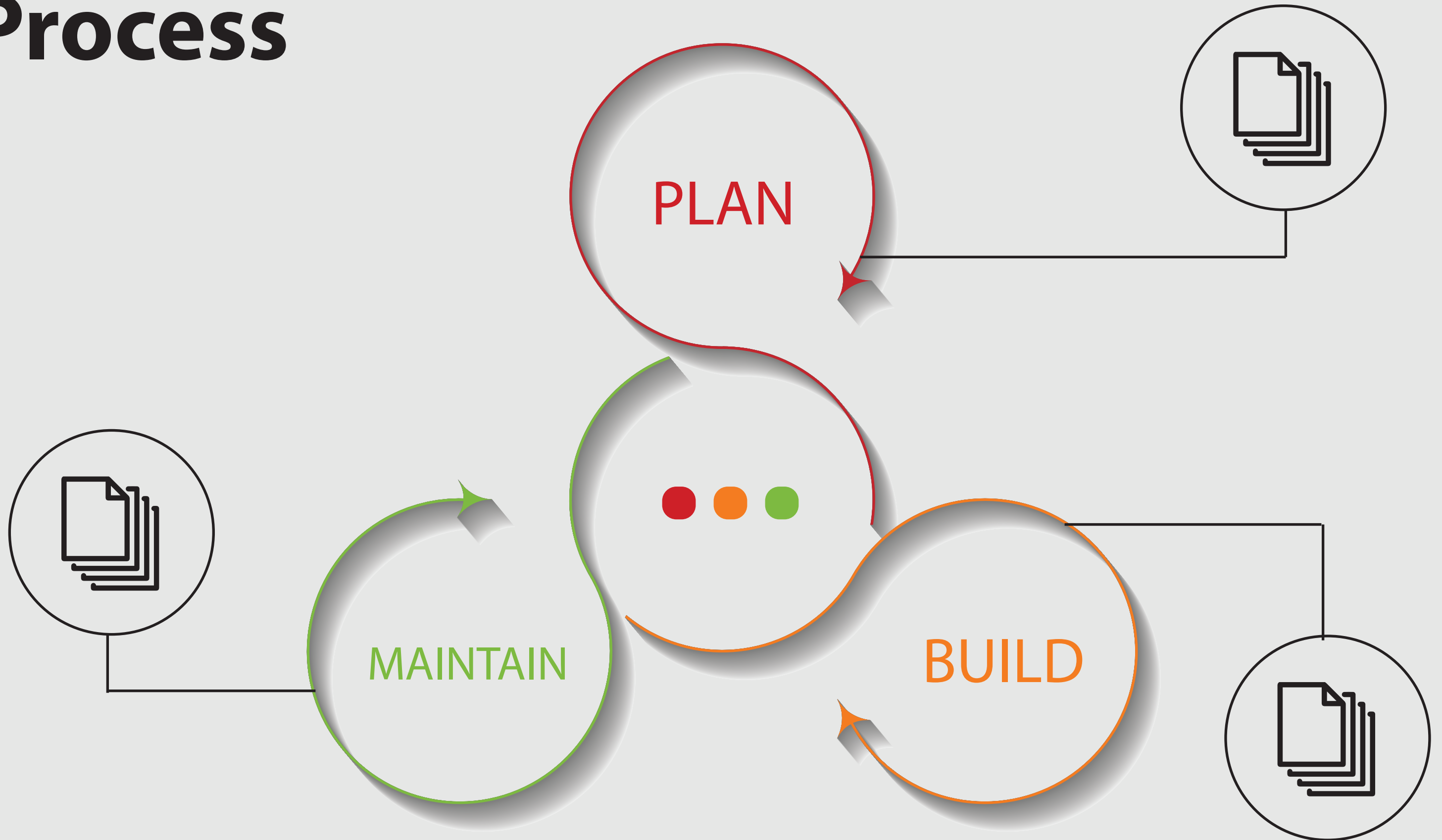


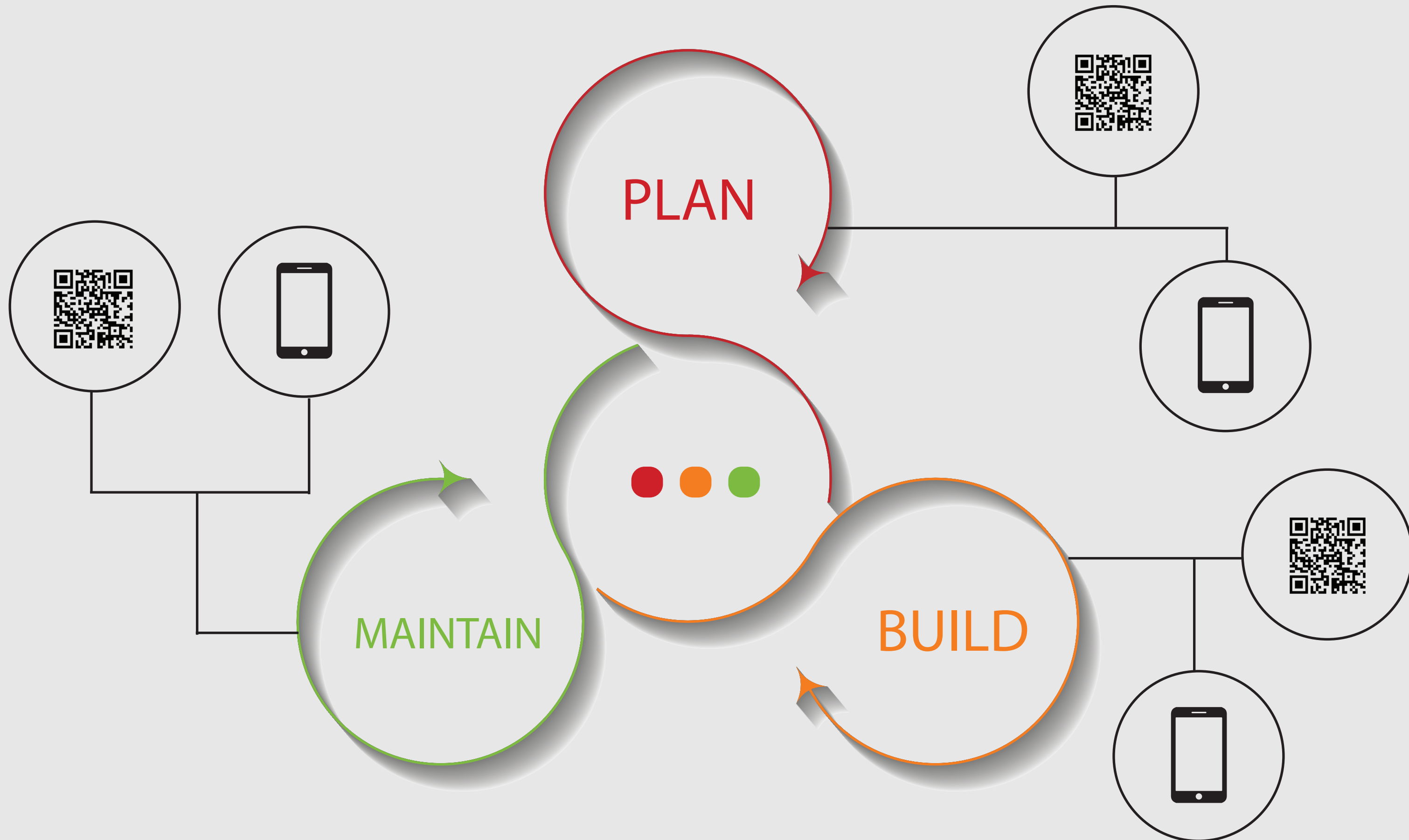
Leveraging QR Code for the Full Life-Cycle of AEC Projects

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Building Life-Cycle Current Process

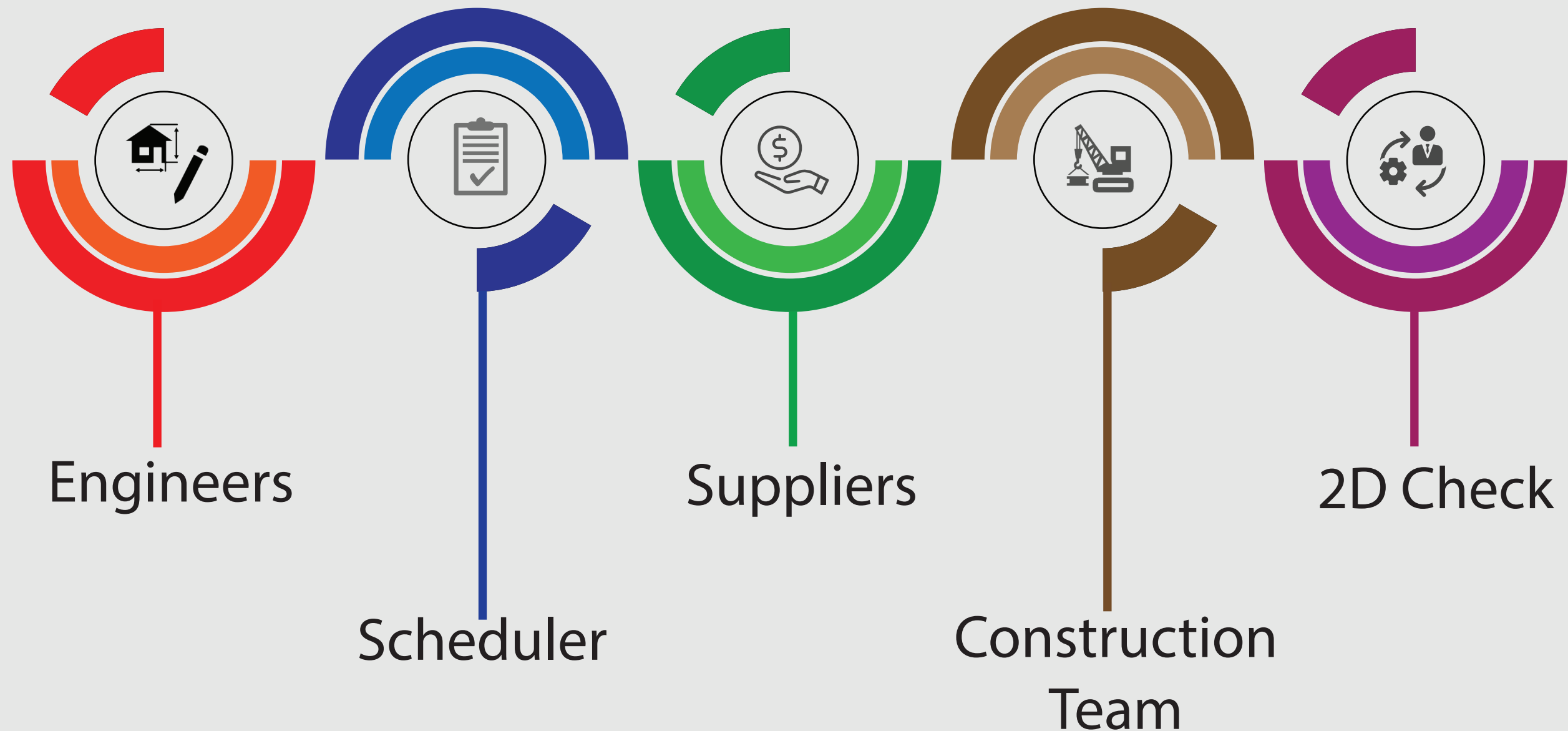


Research Objectives



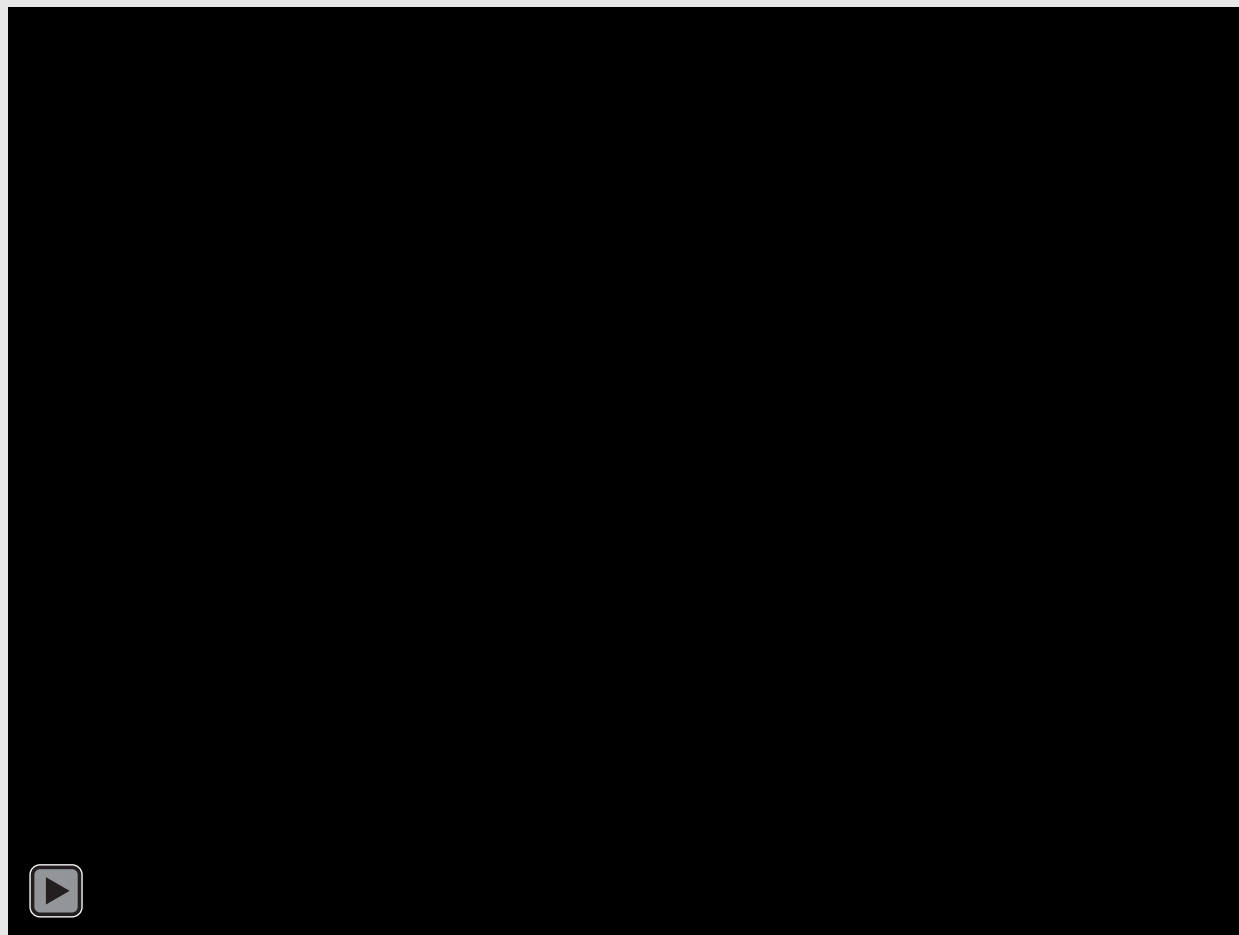
Case Study 1- QR Code from Design to Construction (3D – 5D BIM)

Current Process/Issues



Case Study 1- QR Code from Design to Construction (3D – 5D BIM)

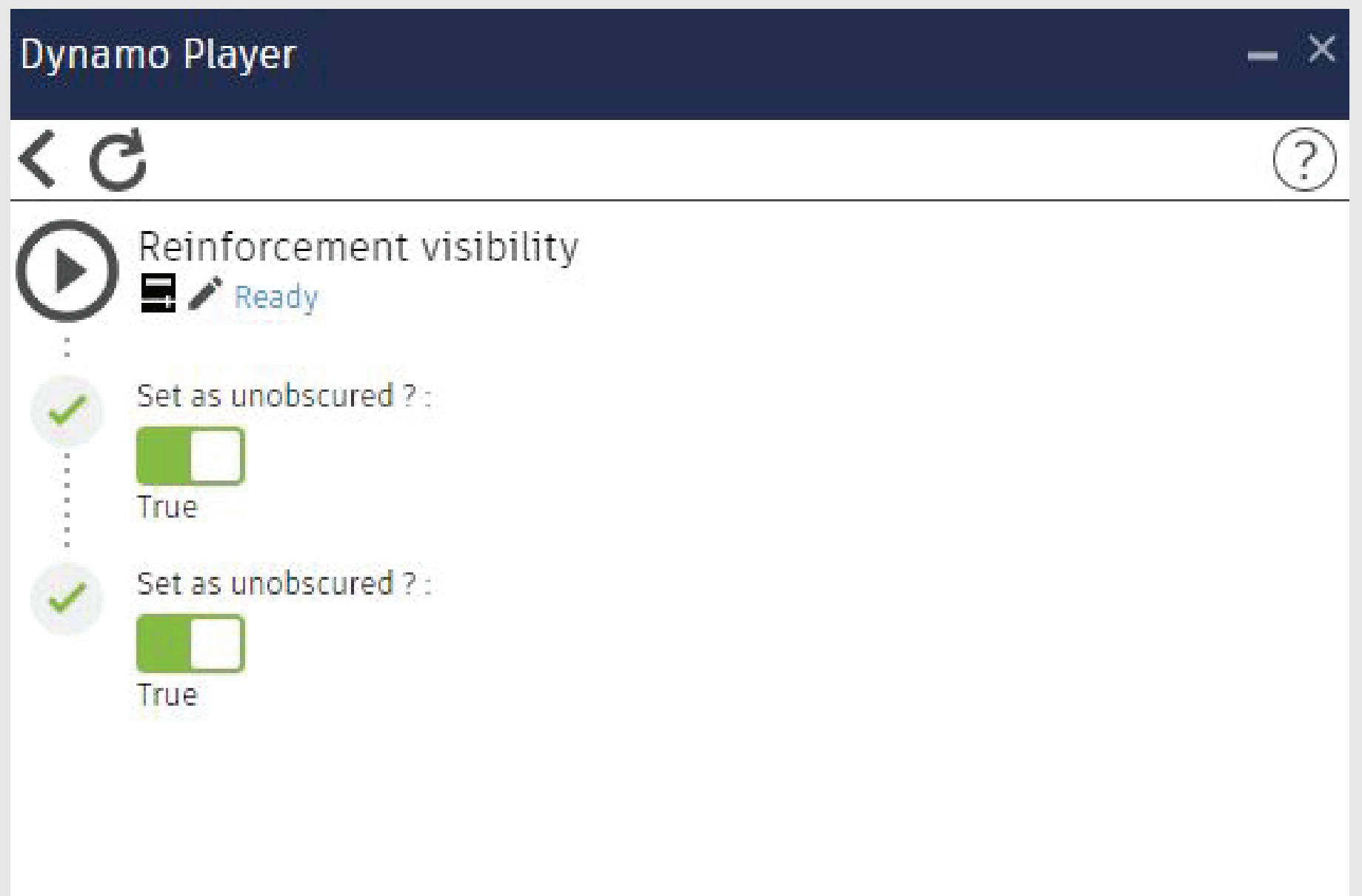
Research Outcome/Aims



Case Study 1- QR Code from Design to Construction (3D – 5D BIM)

Process

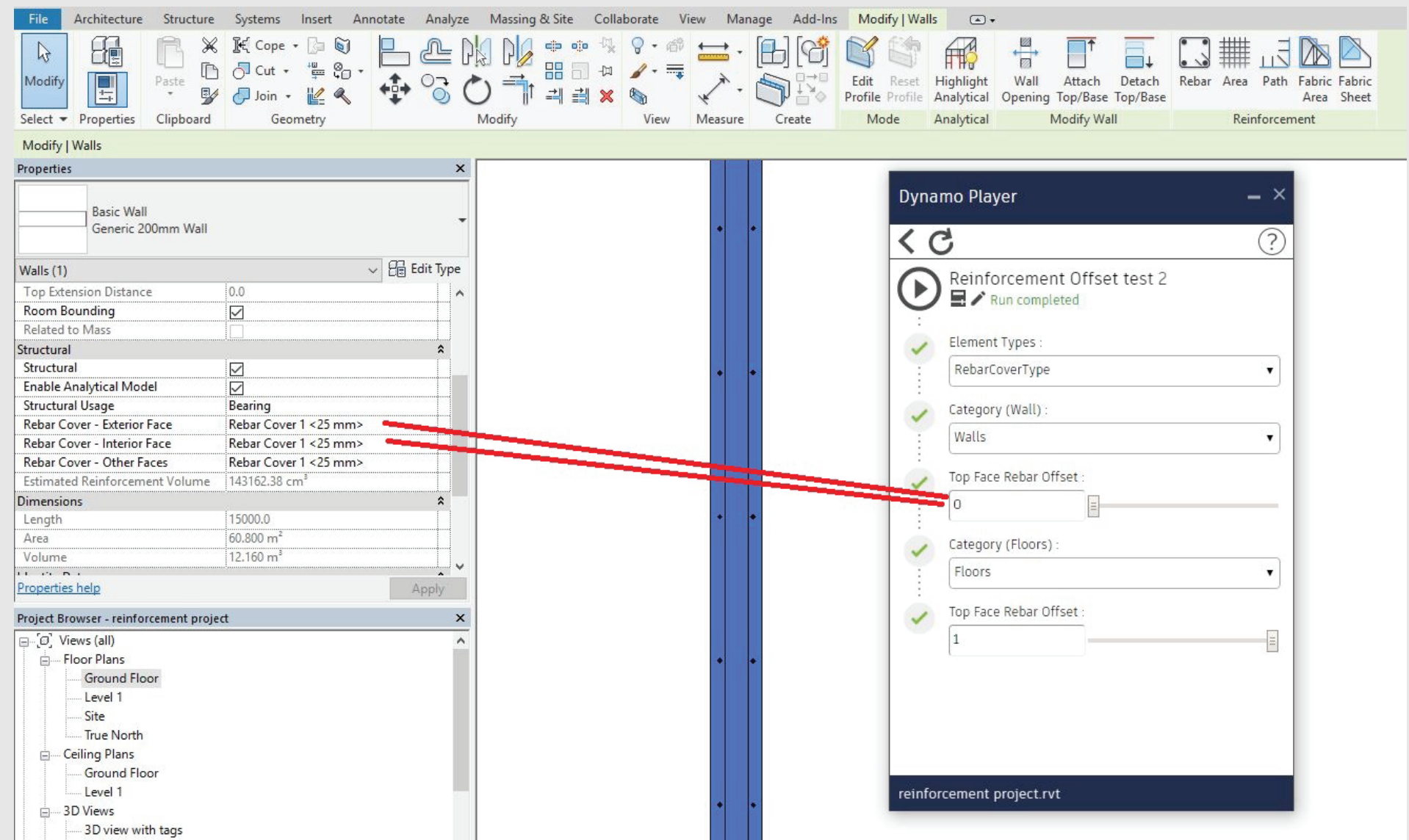
Stage 1
Reinforcement visibility



Case Study 1- QR Code from Design to Construction (3D – 5D BIM)

Process

Stage 2 Reinforcement Cover Settings

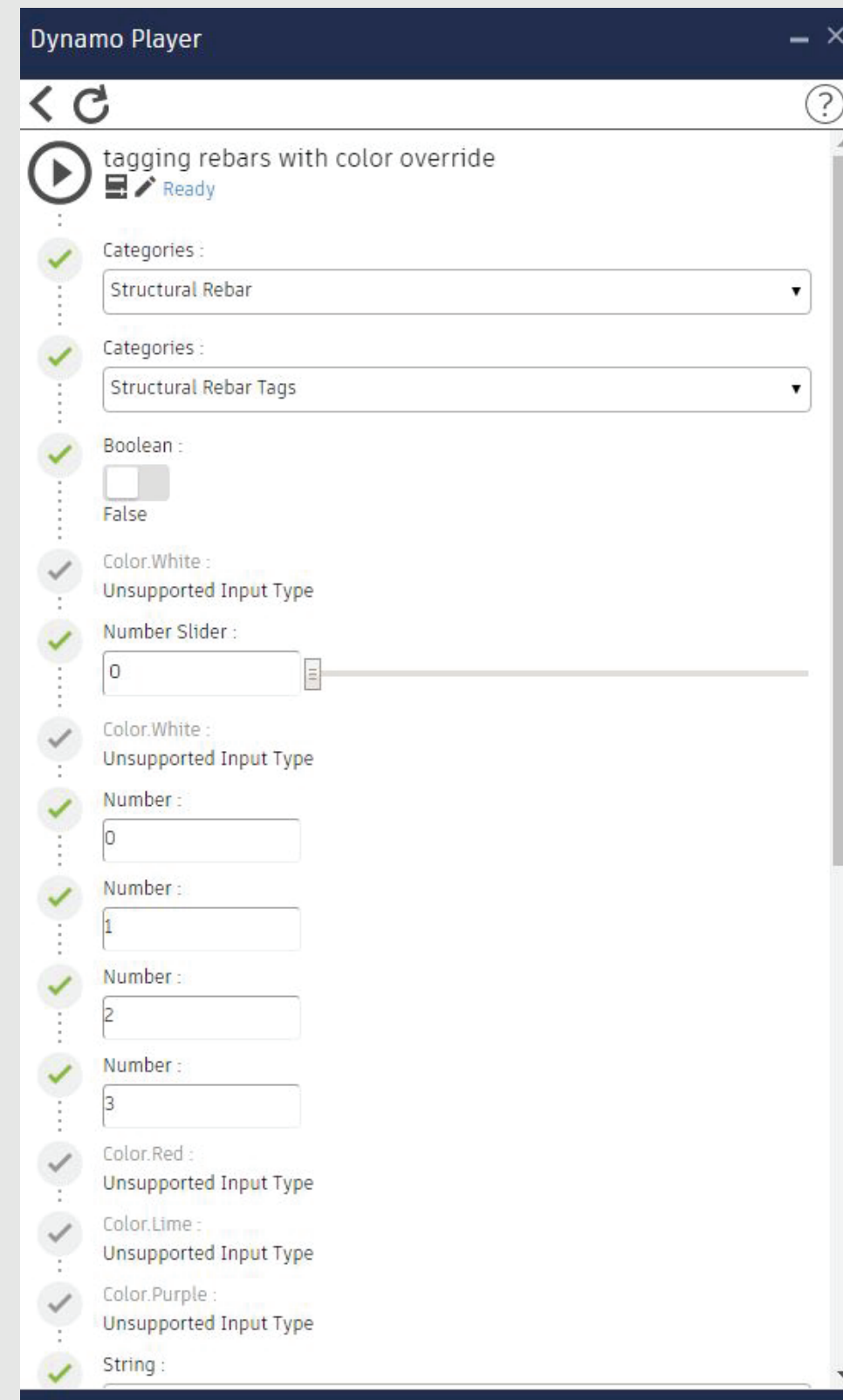


Case Study 1- QR Code from Design to Construction (3D – 5D BIM)

Process

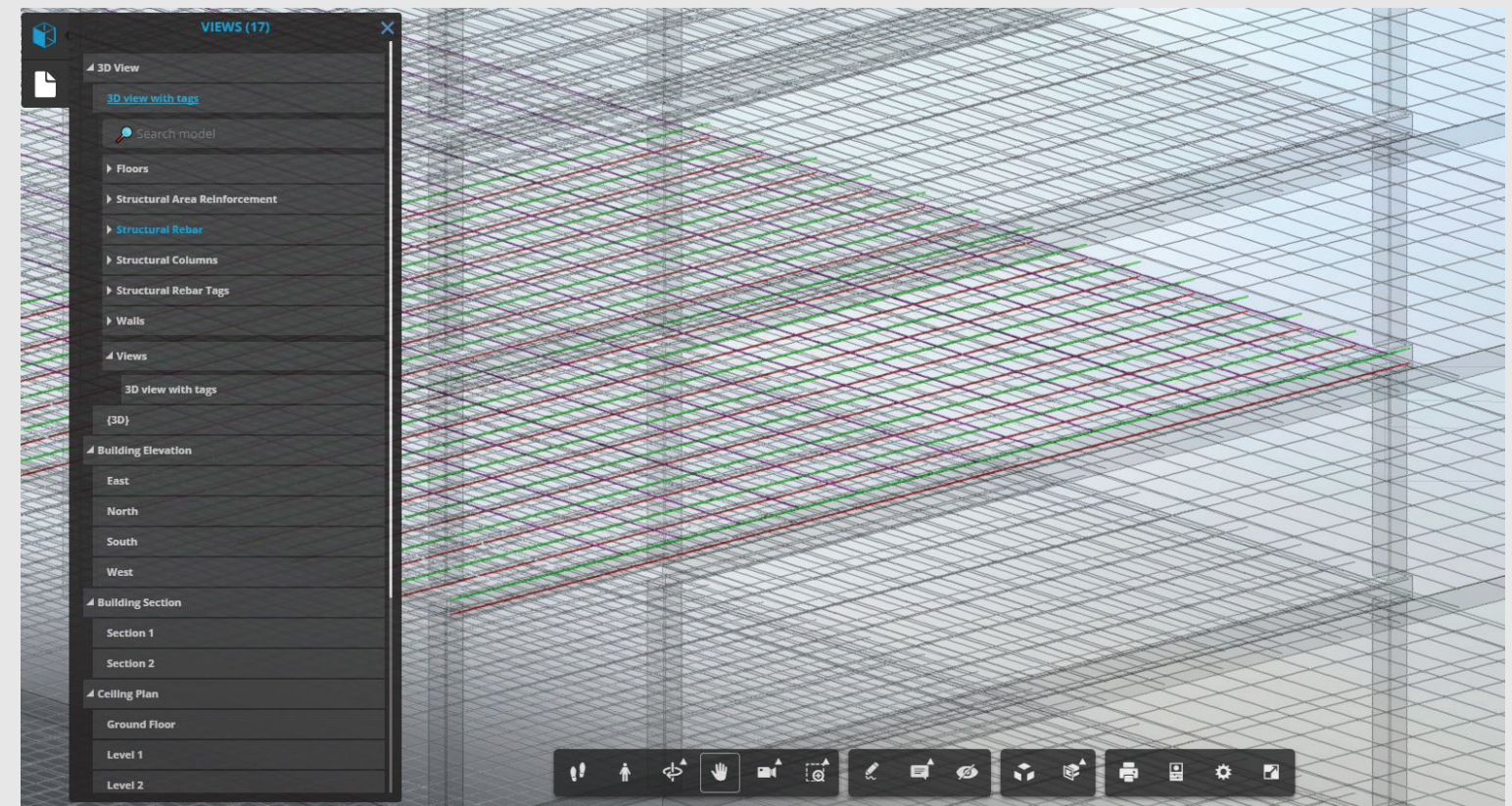
Stage 3

Reinforcement Type ID with Color



Case Study 1- QR Code from Design to Construction (3D – 5D BIM) Process

Stage 4
Publishing Sheets and Views to the
Cloud



Case Study 2- QR CODE IN FACILITY MAN- AGEMENT (6D BIM) Current Process/Issues



Storeroom



WEEKLY SCHEDULE

BY THE DIV. OFFICER

WEEKLY PMS SCHEDULE (CONVENTIONAL)
GPM 1980a 28 May 1971 13-71
S/N 0107-LF-770-3080

WORK CENTER E A B 4 (PAGE 1 OF 2)

PMS SCHEDULE FOR WEEK OF 14-20 April

APPROVAL SIGNATURE *Em J. Williams*

WIP	COMPONENT	MAINTENANCE RESPONSIBILITY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SAT/SUN	OUTSTANDING REPAIRS AND P.M. CHECKS DUE IN NEXT 4 WEEKS
2560/1	CIRC & COOLING SEA WATER SYSTEM								
	SW CIRC PUMP	ROGERS	M-1	Q-1					R-10, M-1, Q-1
	PIPING & MISC	ROGERS		(M-2)	M-2				S-2R, M-2
4411/1	LOW FREQUENCY COMMUNICATIONS								
	AN/SRR-19	Woods	X	X M-1	D-1	D-1	D-1	D-1/D-1	M-1
	#1, AN/VRR-38	Woods	A-1				Q-1		Q-1, A-1
	#2, AN/VRR-38	Woods					Q-1		Q-1
	CU-2007/SRR	PATTERSON		(V-1, 2)		W-1, 2			
	LF "N" SUB-SYSTEM	Woods		X					R-1
4821/P1	MISSILE FIRE CONTROL SYS (HARPOON)	EDWARDS	XX	X M-1	Q-1	Q-2	Q-3	Q-4	S-2R, R-1, R-2, R-3 M-12, Q-1, 2, 3, 4
5831/1	BOAT HANDLING & STOWAGE SYSTEM								
	BOAT DAVIT	BROWN	X	X	M-1				M-1
	BOAT WINCH	DENNIS	X			M-2			M-2
6230/1	LADDERS (EGL-1)	VALDEZ		Q-1			A-1		

Current Report

Case Study 2- QR CODE IN FACILITY MAN- AGEMENT (6D BIM)

Current

Stage 1

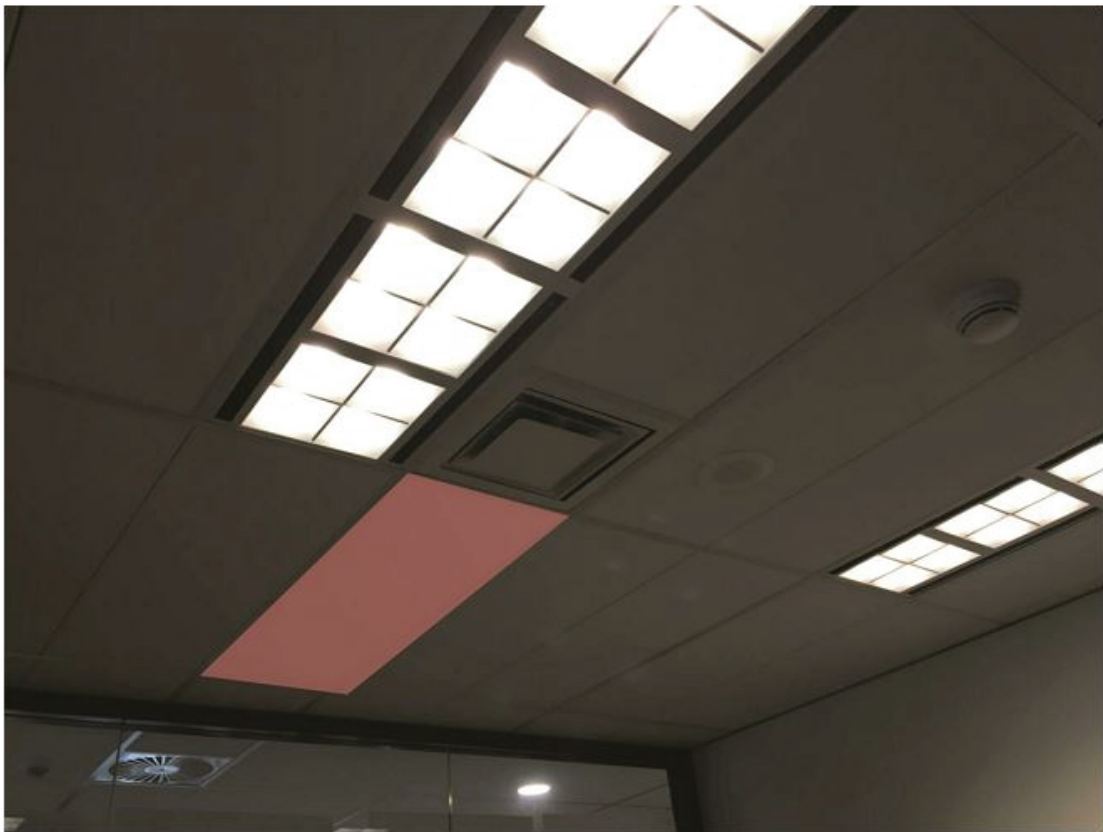
Self-Navigation Walkthrough

Case Study 2- QR CODE IN FACILITY MAN- AGEMENT (6D BIM)

Current


Stage 2

Removing Panel QR code



Click the link below to view how to remove ceiling panel

C:\Users\mark\Documents\3rd
year\semester
2\CODE3202\removing ceiling
panel\How to Remove a Ceiling
Tile_ 7 Steps (with Pictures) -
wikiHow.html

 AUTODESK www.autodesk.com/revit	No.	Description	Date	Owner Project Name	removing panel		
					Project number	Project Number	A4
					Date	Issue Date	
					Drawn by	Author	
					Checked by	Checker	

Case Study 2- QR CODE IN FACILITY MAN- AGEMENT (6D BIM)

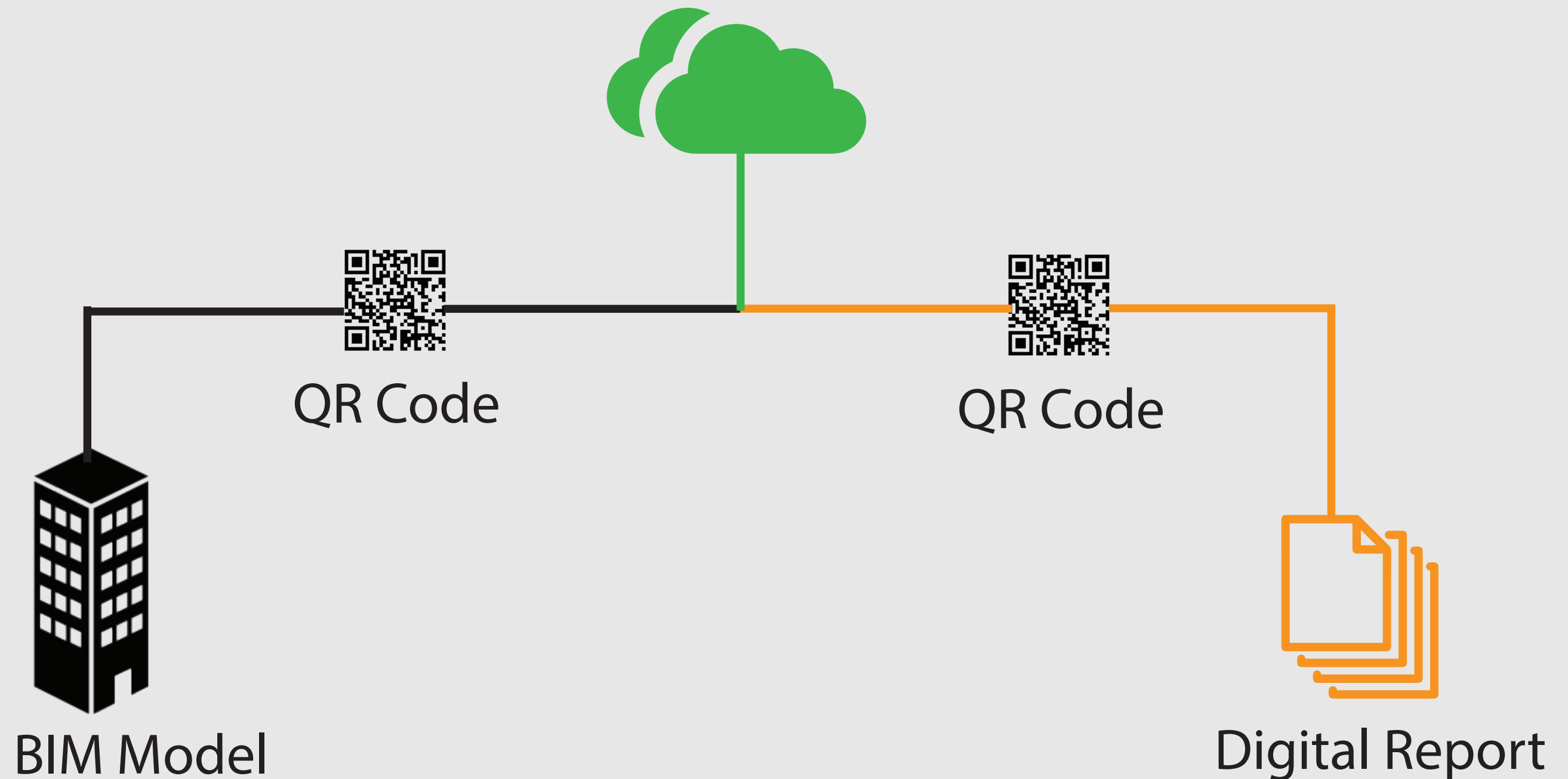
Current

Stage 3

Smart Maintenance Report

Case Study 1- QR Code from Design to Construction (3D – 5D BIM)

Research Outcome/Aims



Future Work

VR Application



AR Application



Leveraging QR Code for the Full Life-Cycle of AEC Projects

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