

Collaborative Planning & Digital Transformation – Case Study.

Dr. Mohamed Abdelaal





BIO

Mohamed Abdelaal

Senior Project Controls
Manager

Gained Various experience in construction project management from a variety of mega projects,

Education: PhD, B.Sc.

Qualifications: PMP, MCIQB



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Agenda

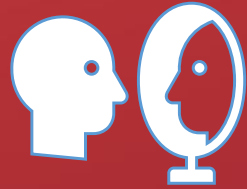
- Introduction
- Why
- Implementation Framework
- Collaboration Planning
- Existed Solution – Semi Automated
- Reporting / Analysis
- Step into Digital transitions
- Next Step



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Introduction





"It is not the beauty of a building you should look at; it is the construction of the foundation that will stand the test of time."



David Allan Coe



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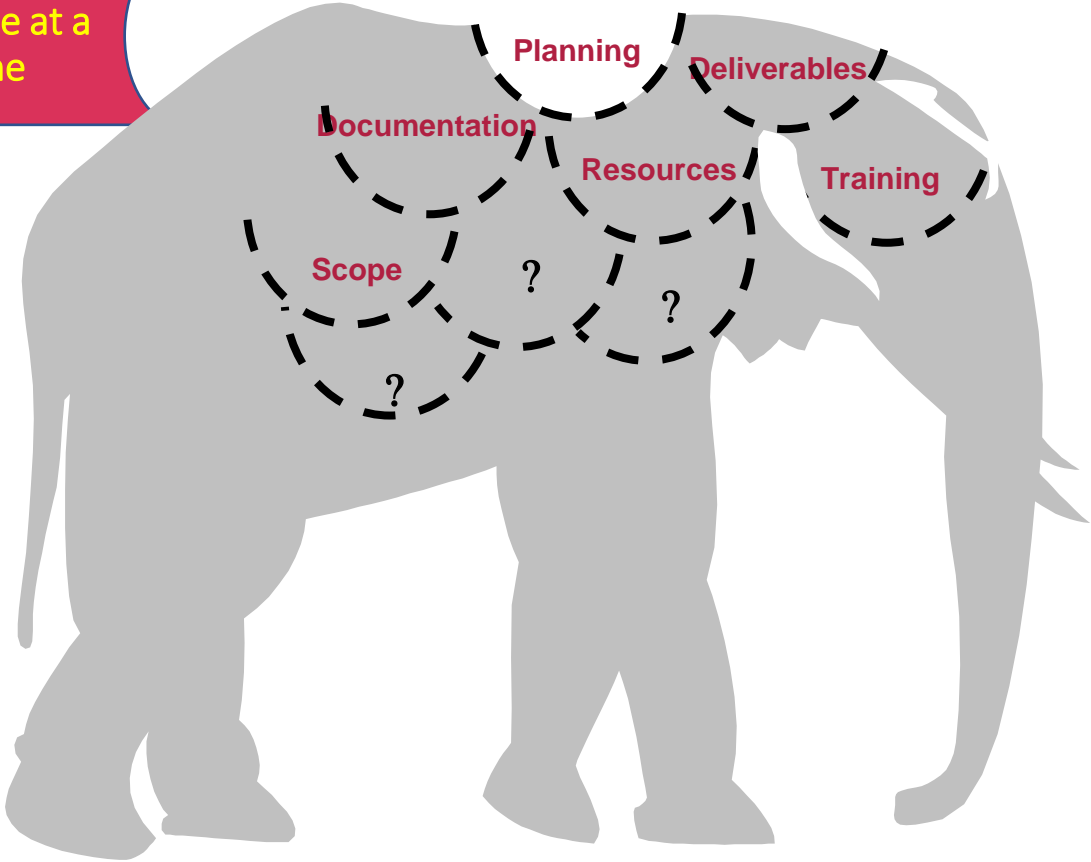
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One Bite at a Time



Antoine de Saint

"A goal without a plan is just a wish."

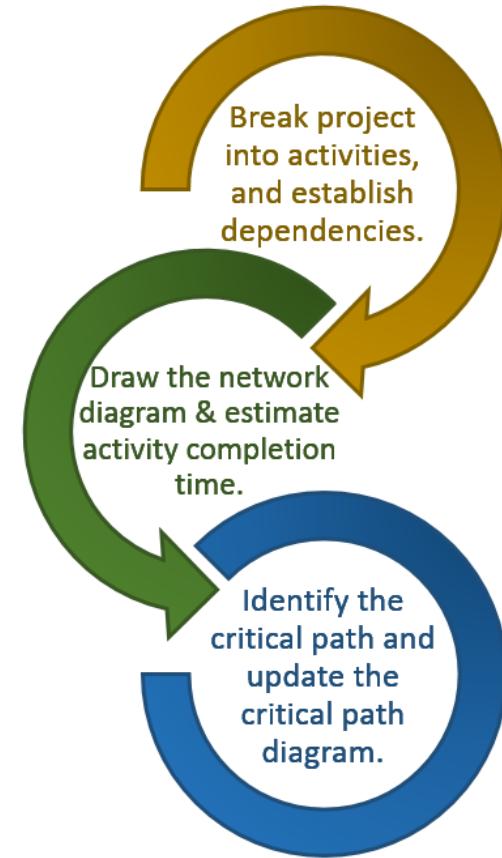


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Planning

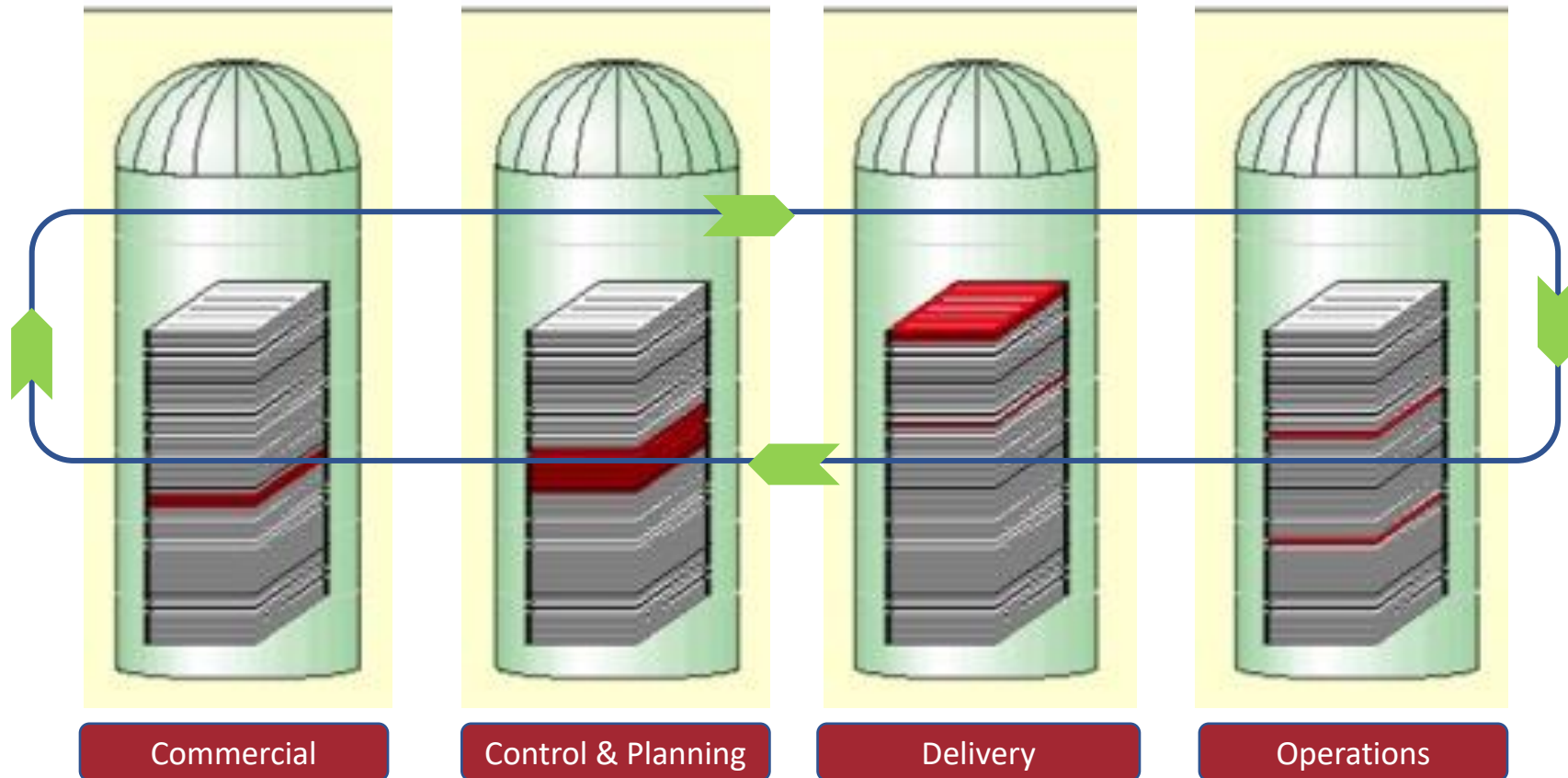
CPM



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Lean

Those who plan do
better than those
who do not plan,

...even though they rarely
stick to their plan.



Winston Churchill



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Why



Without collaboration

- only half the tasks on weekly work plans are completed as planned.
- so called 'project control' is after-the-fact identification of variances, not proactive steering toward objectives.
- projects are a commitment-free zone; promises are neither requested nor made.

(If you can't say 'no', you can't make a promise.)

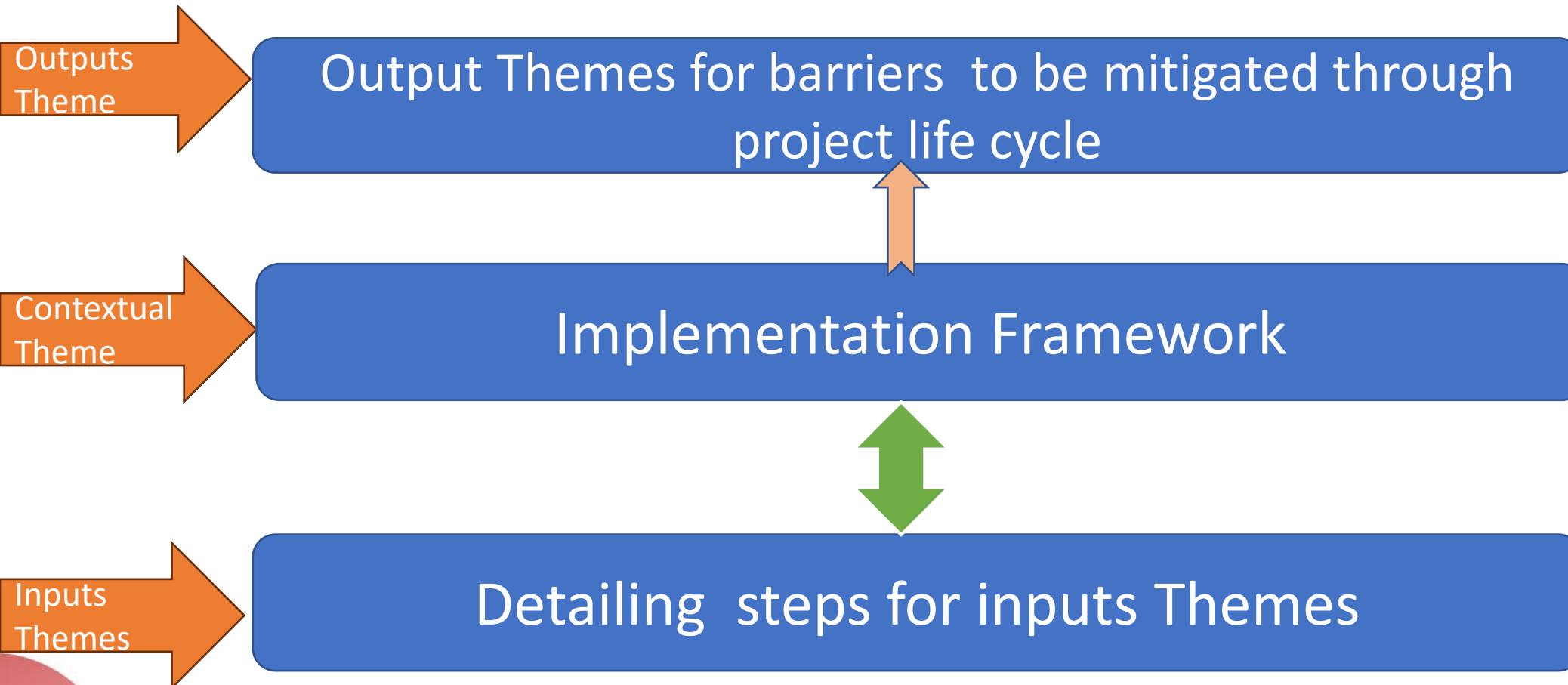


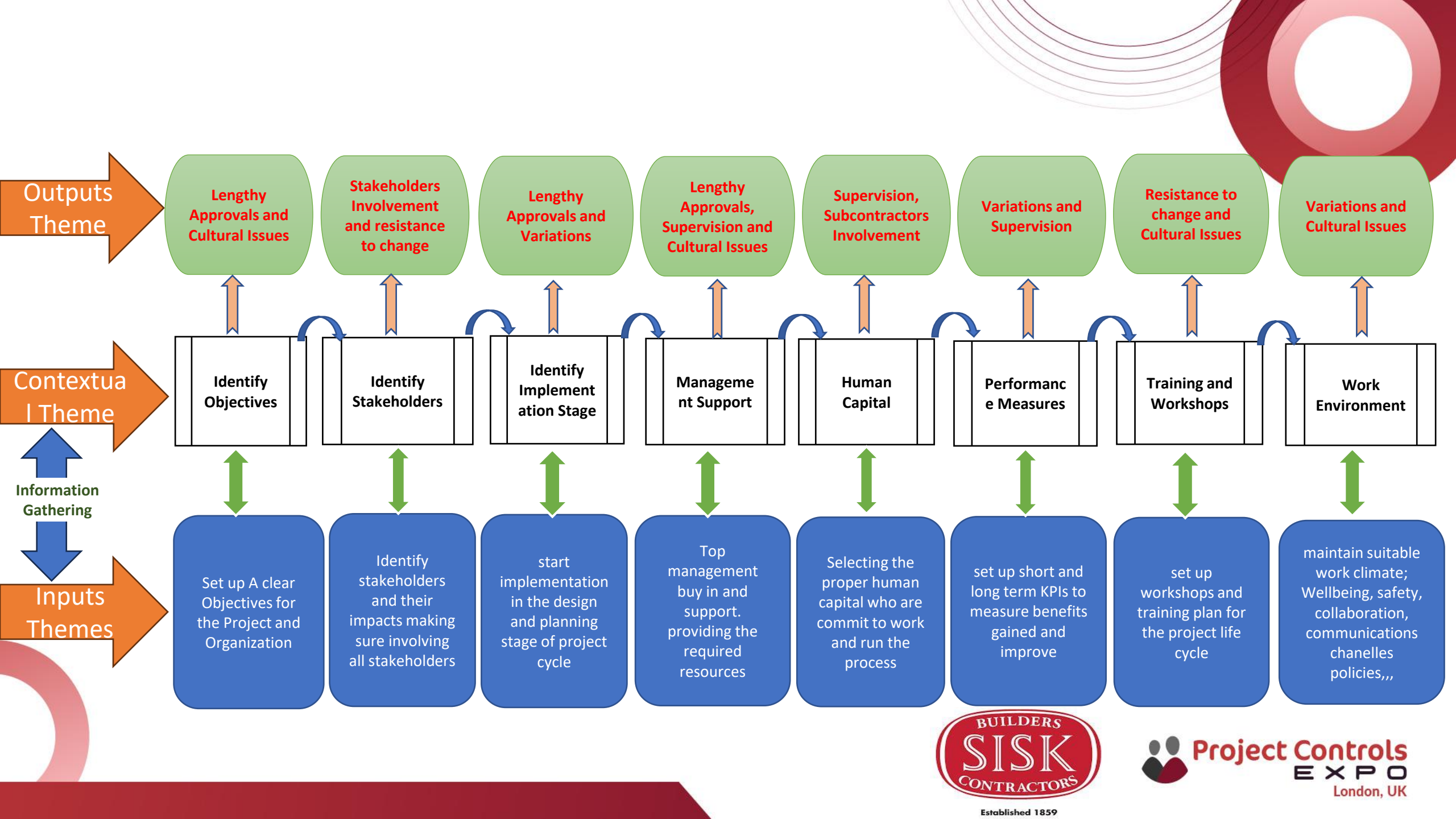
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Implementation Process







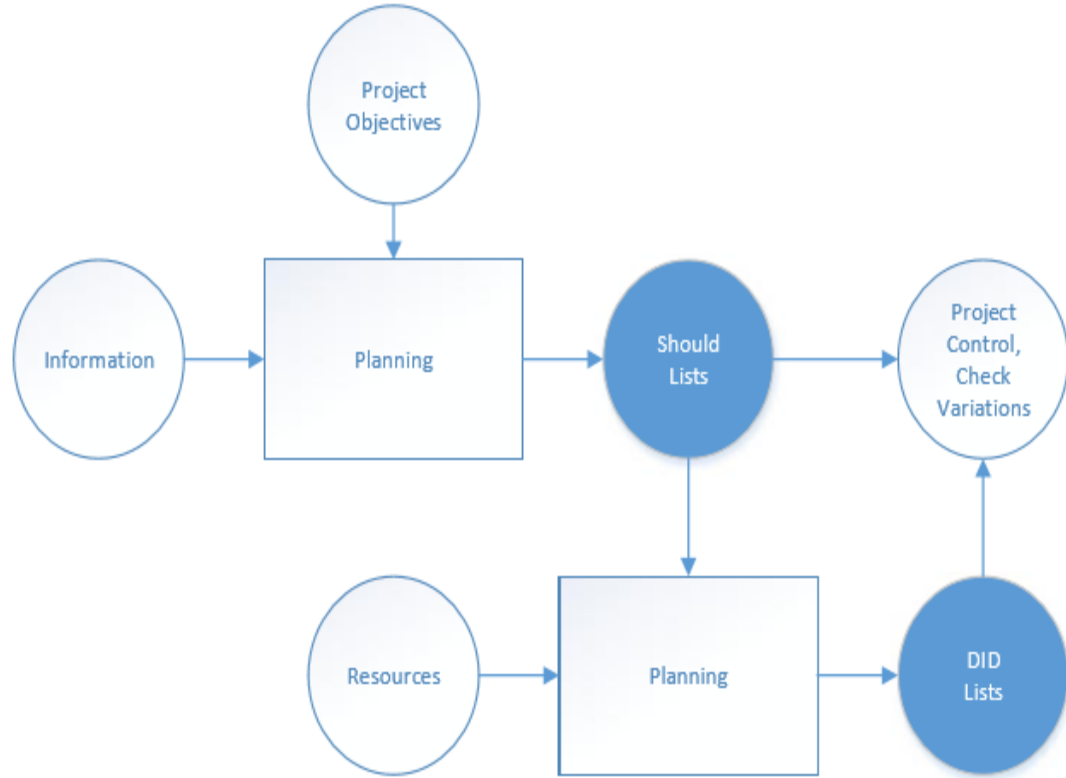
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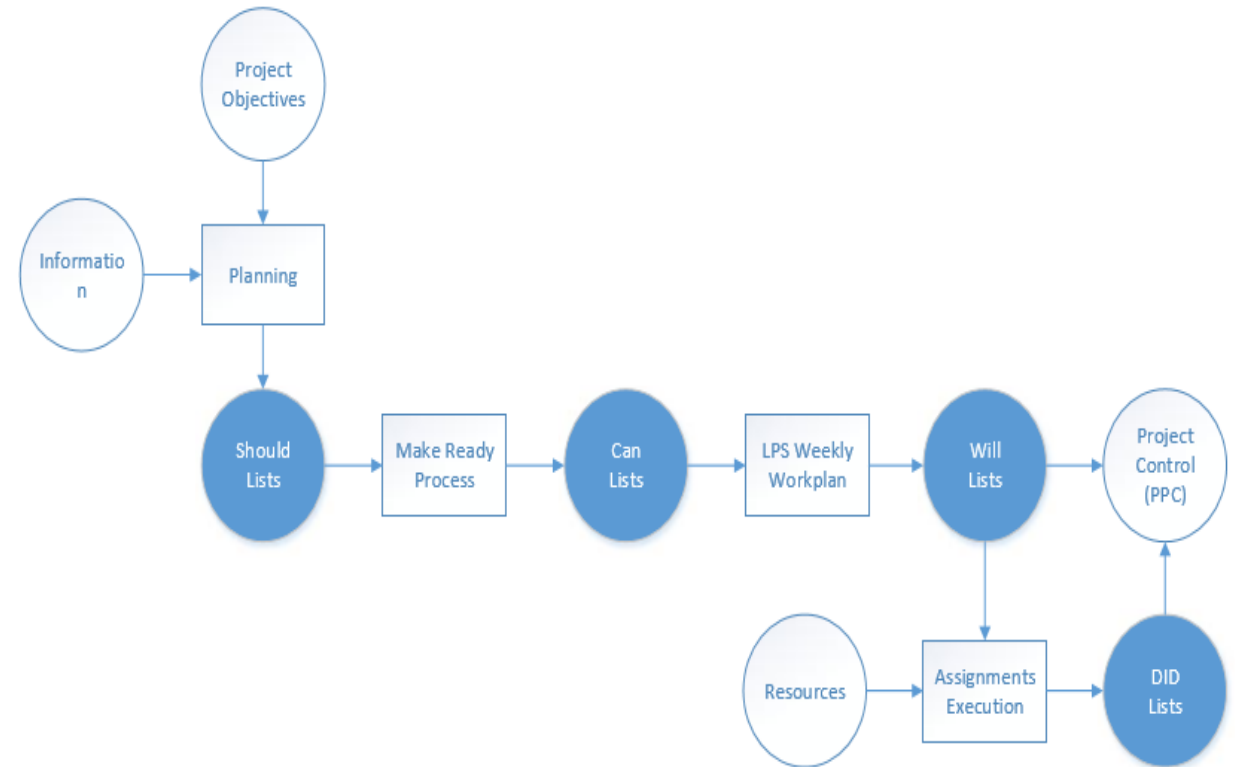
Collaboration Planning



Traditional Construction Sequencing



Collaborative planning Construction Sequencing



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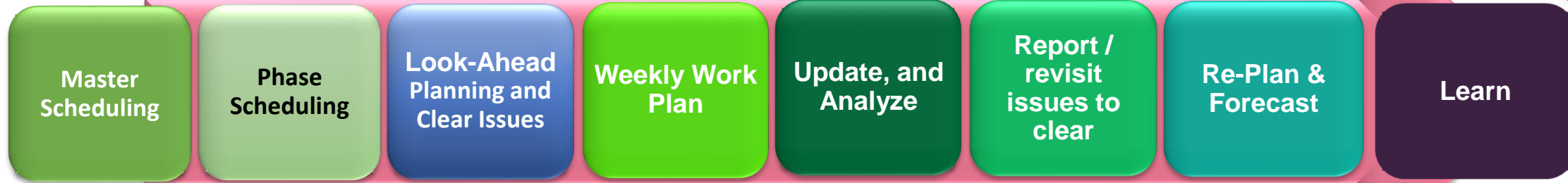


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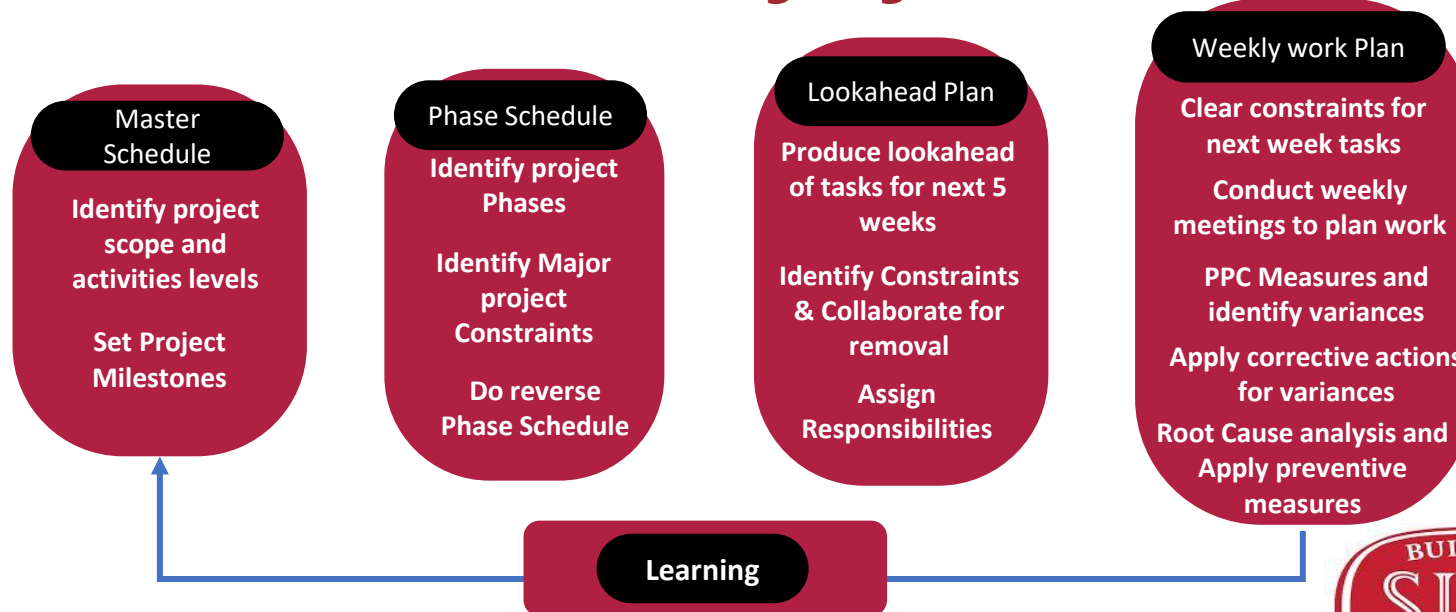


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Collaborative Planning detailed process



Collaborative Planning stages



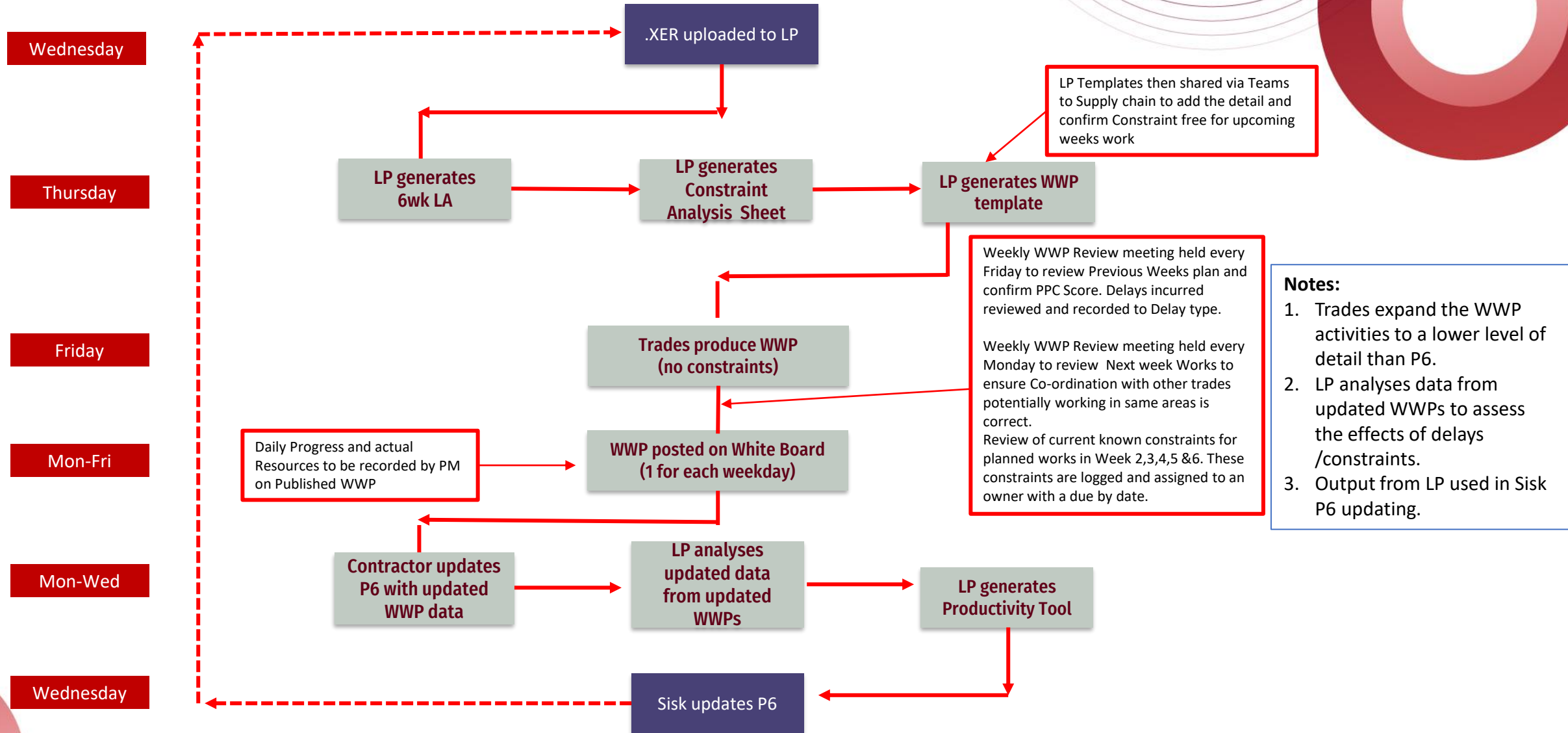
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Existed Solution



Life Science Project – Collaborative Plan Process





File Explorer window showing the directory structure for 'Sub Contractor Submitted WWP,s' under 'Pinemarten...'. The 'P1222 BB-01' folder is selected.

Name	Status	Date modified	Type
ALL	✓	09/10/2023 12:17	File folder
C4 BB-02	✓	25/11/2022 08:44	File folder
C4 BB-LOD-01	✓	25/11/2022 08:44	File folder
P1222 BB-01	✓	17/02/2023 11:11	File folder
P1222 BB-02-BB-03-BB-04,LOD-01	✓	25/11/2022 08:44	File folder
Sort	✓	25/11/2022 08:44	File folder



File Explorer window showing the contents of the 'P1222 BB-01' folder. The 'JEG- Works Completed' folder is selected.

Name	Status	Date modified	Type
Actavo	✓	25/11/2022 08:44	File folder
Ardmac	✓	09/10/2023 12:22	File folder
Bridge Eng	✓	06/07/2023 10:40	File folder
Duffys	✓	05/10/2023 16:04	File folder
JEG- Works Completed	✓	25/11/2022 08:44	File folder
MEL Sprinkler	✓	05/10/2023 16:04	File folder
Misc BCL, McLoughlin	✓	05/10/2023 16:04	File folder



File Explorer window showing the contents of the 'JEG Elec' folder. It lists various Excel files with their status, modification dates, and sizes.

Name	Status	Date modified	Type	Size
P1222 BB-01 JEG_Elec WW19_08 May.xlsm	✓	11/05/2023 07:28	Microsoft Excel M...	41,800 KB
P1222 BB-01 JEG_Elec WW18_01 May (Update 28th Apr).xlsm	✓	05/05/2023 14:26	Microsoft Excel M...	41,945 KB
P1222 BB-01 JEG_Elec WW17_24 Apr (Update 20th Apr).xlsm	✓	03/05/2023 12:29	Microsoft Excel M...	40,546 KB
P1222 BB-01 JEG Elec WW 49.xlsm	✓	27/04/2023 09:30	Microsoft Excel M...	9,582 KB
P1222 BB-01 JEG_Elec WW15_10 Apr (Updated 6th Apr).xlsm	✓	26/04/2023 15:26	Microsoft Excel M...	36,726 KB
P1222 BB-01 JEG_Elec WW16_17 Apr (update 13_apr_23).xlsm	✓	25/04/2023 13:22	Microsoft Excel M...	37,026 KB
P1222 BB-01 JEG_Elec WW13_27Mar (Updated 28th Mar).xlsm	✓	13/04/2023 08:14	Microsoft Excel M...	35,461 KB
P1222 BB-01 JEG_Elec WW14_03 April 2.xlsm	✓	06/04/2023 16:40	Microsoft Excel M...	35,543 KB
P1222 BB-01 JEG_Elec WW120MarLL.xlsm	✓	06/04/2023 07:36	Microsoft Excel M...	35,474 KB
P1222 BB-01 Elec WW10-JEG_06Mar.23.xlsm	✓	03/04/2023 16:03	Microsoft Excel M...	28,504 KB
P1222 BB-01 WW11 JEG ELEC_13Mar.xlsm	✓	03/04/2023 16:00	Microsoft Excel M...	4,664 KB
P1222 BB-01 WW09 JEG ELEC_23.Feb.23.xlsm	✓	03/03/2023 15:20	Microsoft Excel M...	4,670 KB
P1222 BB-01 WW08 JEG ELEC_17.Feb.23.xlsm	✓	27/02/2023 12:21	Microsoft Excel M...	4,555 KB



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1. Step 1 Update Programme Reference

Project Name Pine Marten
Project Ref C4 LOD-01
Subcontractor JEG
Update Date 16/11/2022

File Name C:\Users\emamha\OneDrive - John Sisk and Son (Holdings) Ltd\Desktop\Intel - Pinemartin Combined Schedule w-e 13

Browse

2. Set Lookahead window

Lookahead Between
Period Commencing 21/11/2022
Period End 02/01/2023

Do not forget to click Generate ==>

Generate

3. Perform Constraint Analysis

4. Generate WWP



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Life Science Project – Collaborative Plan tool

Production Activities Constraints Analysis											
			Prepared by: Mohamed Abdelaal	Week commencing 20/03/2023	Trade Elec	Subcontractor Jones	Generate WPP				
Task Programme ID	P6 Description	Task Description	Subcontractor	Date Requir (Start)	Design / Inf. Release	Material Available	Labour Resour Available	Site Activ Forward	Res	Comments	
JEQ_INST_20390	P1222_BB01 Install: Installation of new OHC door with Access Control (roller shutter door)	P1222_BB01 Install: Installation of new OHC door with Access Control (roller shutter door)	Janar	24-Apr-23							
JEQ_INST_20680	P1222_BB01 Install: Installation of Dado trunking in the control room for desks	P1222_BB01 Install: Installation of Dado trunking in the control room for desks	Janar	30-Sep-22							
JEQ_INST_20630	P1222_BB01 Install: Installation of new lighting	P1222_BB01 Install: Installation of new lighting	Janar	30-Sep-22							
JEQ_INST_20540	P1222_BB01 Install: Installation of new power to new FCU's	P1222_BB01 Install: Installation of new power to new FCU's	Janar	30-Sep-22							
JEQ_ELEC_2510	P1222_BB01 Install: Install new Lights around the MAH (6 No.)	P1222_BB01 Install: Install new Lights around the MAH (6 No.)	Janar	19-Feb-23							
JEQ_LSS_2600	P1222_BB01 Install: Install new IO Module for MAH-103-10-400 on F24 Roof	P1222_BB01 Install: Install new IO Module for MAH-103-10-400 on F24 Roof	Janar	20-Mar-23						No access to PCD Room	
JEQ_ELEC_2520	P1222_BB01 Install: Install Lighting Protection around new MAH	P1222_BB01 Install: Install Lighting Protection around new MAH	Janar	19-Feb-23							
JEQ_LSS_2610	P1222_BB01 Install: Install new Break Glass, Smoke Detector and Sounder	P1222_BB01 Install: Install new Break Glass, Smoke Detector and Sounder	Janar	04-Jan-23							
JEQ_ISC_2410	P1222_BB01 Install: Install new I&C cables (Leoni Kerpen) for TCY's	P1222_BB01 Install: Install new I&C cables (Leoni Kerpen) for TCY's	Janar	18-Oct-22							
JEQ_COMMS_1590	P1222_BB01 Install: Install new data points to the desks	P1222_BB01 Install: Install new data points to the desks	Janar	04-Oct-22							
JEQ_ELEC_2500	P1222_BB01 Install: Install new mains supply cable to VSD in MAH	P1222_BB01 Install: Install new mains supply cable to VSD in MAH	Janar	01-Mar-23							
JEQ_INST_20550	P1222_BB01 Install: Installation of Heat Trace to MAH	P1222_BB01 Install: Installation of Heat Trace to MAH	Janar	21-Mar-23						No access to PCD Room	
JEQ_ISC_2400	P1222_BB01 Install: Install new I&C cables (Leoni Kerpen) for TCY's	P1222_BB01 Install: Install new I&C cables (Leoni Kerpen) for TCY's	Janar	20-Mar-23							
JEQ_LSS_2650	P1222_BB01 Install: Install intended work around prior to delivery of I/O Module	P1222_BB01 Install: Install intended work around prior to delivery of I/O Module	Janar	19-Apr-23							
JEQ_INST_20610	P1222_BB01 Install: Installation fire monitoring, speakers, strobes and smoke detectors	P1222_BB01 Install: Installation fire monitoring, speakers, strobes and smoke detectors	Janar	24-Mar-23						No access to PCD Room	
JEQ_INST_20650	P1222_BB01 Install: Installation new VESDA pipework and power supply for smoke detector and module	P1222_BB01 Install: Installation new VESDA pipework and power supply for smoke detector and module	Janar	20-Mar-23						No access to PCD Room	
JEQ_LSS_2640	P1222_BB01 Install: Install new IO Module for roller shutter door	P1222_BB01 Install: Install new IO Module for roller shutter door	Janar	24-Mar-23						No access to PCD Room	
JEQ_INST_20620	P1222_BB01 Install: Install new CCTV system within PCD and Control Room	P1222_BB01 Install: Install new CCTV system within PCD and Control Room	Janar	24-Mar-23						No access to PCD Room	
JEQ_LSS_2620	P1222_BB01 Install: Install new IO Module for Safety Shower	P1222_BB01 Install: Install new IO Module for Safety Shower	Janar	24-Mar-23						No access to PCD Room	
JEQ_INST_20660	P1222_BB01 Install: Installation fire monitoring, speakers, strobes and smoke detectors	P1222_BB01 Install: Installation fire monitoring, speakers, strobes and smoke detectors	Janar	20-Mar-23						No access to PCD Room	
JEQ_INST_20700	P1222_BB01 Install: Installation of new lighting	P1222_BB01 Install: Installation of new lighting	Janar	24-Mar-23						No access to PCD Room	
JEQ_INST_20720	P1222_BB01 Install: Electrical Relocation Scope TEMPORARY RELOCATION	P1222_BB01 Install: Electrical Relocation Scope TEMPORARY RELOCATION	Janar	20-Oct-22							
JEQ_INST_20560	P1222_BB01 Reconfig: Reconfiguration of lighting including to a new CTU emergency test unit for PCD.	P1222_BB01 Reconfig: Reconfiguration of lighting including to a new CTU emergency test unit for PCD.	Janar	19-Mar-22							
JEQ_COMMS_1510	P1222_BB01 Install: Install new CP Enclosures for comms cables and associated data outlets	P1222_BB01 Install: Install new CP Enclosures for comms cables and associated data outlets	Janar	24-Mar-23						No access to PCD Room	
JEQ_INST_20740	P1222_BB01 Install: Electrical Relocation Scope PERMANENT RELOCATION	P1222_BB01 Install: Electrical Relocation Scope PERMANENT RELOCATION	Janar	17-Jan-23							
JEQ_INST_20380	P1222_BB01 Install: Installation of new Doors with Access Control (DRIVEN BY FINAL DOORS DUE IN	P1222_BB01 Install: Installation of new Doors with Access Control (DRIVEN BY FINAL DOORS DUE IN	Janar	24-Mar-23						No access to PCD Room	
JEQ_INST_20670	P1222_BB01 Install: Installation of new power to new desks	P1222_BB01 Install: Installation of new power to new desks	Janar	30-Sep-22							
JEQ_COMMS_1540	P1222_BB01 Install: Install new outlet for safety phone	P1222_BB01 Install: Install new outlet for safety phone	Janar	24-Mar-23						No access to PCD Room	
JEQ_COMMS_1550	P1222_BB01 Install: Install containment	P1222_BB01 Install: Install containment	Janar	23-Jan-23							
JEQ_ISC_2430	P1222_BB01 Install: Install new I&C Containment	P1222_BB01 Install: Install new I&C Containment	Janar	16-Feb-23							
JEQ_INST_20400	P1222_BB01 Install: Installation of new pedestrian door to the Control Room with access control	P1222_BB01 Install: Installation of new pedestrian door to the Control Room with access control	Janar	24-Mar-23						No access to PCD Room	
JEQ_COMMS_1520	P1222_BB01 Install: Install new twin-data outlets	P1222_BB01 Install: Install new twin-data outlets	Janar	24-Mar-23						No access to PCD Room	
JEQ_INST_20470	P1222_BB01 Install: Installation of new Wireless Access Points	P1222_BB01 Install: Installation of new Wireless Access Points	Janar	24-Mar-23						No access to PCD Room	
JEQ_ISC_2450	P1222_BB01 Install: Install new I&C cables for Emerson TCY	P1222_BB01 Install: Install new I&C cables for Emerson TCY	Janar	23-Jan-23						No access to PCD Room	
JEQ_COMMS_1530	P1222_BB01 Install: Install new Wireless Access Points	P1222_BB01 Install: Install new Wireless Access Points	Janar	24-Mar-23						No access to PCD Room	
JEQ_INST_20500	P1222_BB01 Install: Installation of new Safety Phone	P1222_BB01 Install: Installation of new Safety Phone	Janar	04-Apr-23							
JEQ_ISC_2470	P1222_BB01 Install: Install new I&C cables for ASCO Flush	P1222_BB01 Install: Install new I&C cables for ASCO Flush	Janar	23-Jan-23							
JEQ_INST_20480	P1222_BB01 Reconfig: Reconfiguration of data outlets in Schenker Stores Room	P1222_BB01 Reconfig: Reconfiguration of data outlets in Schenker Stores Room	Janar	20-Mar-23						No access to PCD Room	
JEQ_ISC_2420	P1222_BB01 Install: Install new I&C cables (Leoni Kerpen) for TCY's	P1222_BB01 Install: Install new I&C cables (Leoni Kerpen) for TCY's	Janar	23-Jan-23							
JEQ_INST_20570	P1222_BB01 Install: Installation of Dado trunking in the control room	P1222_BB01 Install: Installation of Dado trunking in the control room	Janar	24-Mar-23							
JEQ_ISC_2480	P1222_BB01 Install: Install new I&C cables for ASCO Solenoid Valve	P1222_BB01 Install: Install new I&C cables for ASCO Solenoid Valve	Janar	23-Jan-23							
JEQ_ISC_2440	P1222_BB01 Install: Install new I&C cables for Leak Switch	P1222_BB01 Install: Install new I&C cables for Leak Switch	Janar	23-Jan-23							
JEQ_ISC_2450	P1222_BB01 Install: Install new I&C cables for Level Switch	P1222_BB01 Install: Install new I&C cables for Level Switch	Janar	23-Jan-23							
JEQ_INST_20580	P1222_BB01 Install: Installation new Zoned Amplifier	P1222_BB01 Install: Installation new Zoned Amplifier	Janar	24-Mar-23						No access to PCD Room	
JEQ_INST_20520	P1222_BB01 Reconfig: Reconfiguration to new PCD room including VSD's, and power to AHU	P1222_BB01 Reconfig: Reconfiguration to new PCD room including VSD's, and power to AHU	Janar	20-Mar-23							
JEQ_INST_20590	P1222_BB01 Install: Install new VESDA smoke detector and new module	P1222_BB01 Install: Install new VESDA smoke detector and new module	Janar	24-Mar-23						No access to PCD Room	
JEQ_LSS_2630	P1222_BB01 Install: Install new Smoke detectors, speakers, strobes and break-glass boxes	P1222_BB01 Install: Install new Smoke detectors, speakers, strobes and break-glass boxes	Janar	24-Mar-23						No access to PCD Room	
JEQ_INST_20600	P1222_BB01 Install: Installation new VESDA pipework and power supply for smoke detector and module	P1222_BB01 Install: Installation new VESDA pipework and power supply for smoke detector and module	Janar	24-Mar-23						No access to PCD Room	
JEQ_ISC_2430	P1222_BB01 Install: Install new I&C cables (Leoni Kerpen) for TET's	P1222_BB01 Install: Install new I&C cables (Leoni Kerpen) for TET's	Janar	16-Oct-22							



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Life Science Project – Collaborative Plan tool



Weekly Work Plan																	
Project	P1222	Week commencing	20/03/2023														
Sub Project	BB-01	Prepared by	Jones														
Trade	Elec	Date Prepared	20/03/2023														
Programme Reference	Task Description	Who is responsible for delivering the work	Skilled Workers	Helper	Quantity of Work	Units	Category	Planned Completed Analysis - (PPC)							Reason for Delay Category		
		Responsible	No	No	unit	m/m2/m3		Sa	Su	M	T	W	T	F		T/M	
JEG_INST_20610	P1222_BB01_Install: Installation fire monitoring, speakers, strobes and smoke detectors	Jones					Plan			X	X	X	X	X			
							Planned/Exec			2	2	2	2	2			
							Act/Exec										
JEG_INST_20650	P1222_BB01_Install: Installation new VESDA pipework and power supply for smoke detector and module	Jones					Plan						X	X			
							Planned/Exec						3	3			
							Act/Exec										
JEG_LSS_2640	P1222_BB01_Install: Install new IO Module for roller shutter door	Jones					Plan			X	X	X	X	X			
							Planned/Exec			4	4	4	4	4			
							Act/Exec										
JEG_INST_20380	P1222_BB01_Install: Installation of new Doors with Access Control (DRIVEN BY FINAL DOORS DUE IN END OF JAN23. NEED CSA L	Jones					Plan			X	X						
							Planned/Exec			5	5						
							Act/Exec										
JEG_COMMS_1520	P1222_BB01_Install: Install new twin-data outlets	Jones					Plan			X	X	X	X	X			
							Planned/Exec			2	2	2	2	2			
							Act/Exec										
JEG_COMMS_1530	P1222_BB01_Install: Install new Wireless Access Points	Jones					Plan			X	X	X					
							Planned/Exec			2	2	2					
							Act/Exec										
JEG_INST_20590	P1222_BB01_Install: Installation new VESDA smoke detector and new module	Jones					Plan					X	X	X			
							Planned/Exec					2	2	2			
							Act/Exec										
							Plan										
							Planned/Exec										
							Act/Exec										
Total	7															0	
PPC = (No of Yes / Total No of Tasks for the week) PPC = / 7 = 0																	
Plan B - Constraint free work																	
* Reasons	1- Late/defective/wrong materials		4 Weather		7 Materials		13 Space										
	5 - Unplanned work		5 Prerequisite Work		8 Contracts/CQs		14 Site Conditions										16 Work
	9 - Late or incomplete information		6 Labor		9 Submittals		15 Inspections										



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Life Science Project – Collaborative Plan tool



Weekly Work Plan																	
Project	P1222	Week commencing	07/11/2022														
Sub Project	BB-01/BB-02	Prepared by	Jones														
Trade	Mech	Date Prepared	07/11/2022														
Programme Reference	Task Description	Who is responsible for delivering the work	Skilled Workers	Helper	Quantity of Work	Units	Category	Sa	Su	M	T	W	T	F	Y/N	Planned Completed Analysis - (PPC)	Reason for Delay Category
P1222KG-BB033560	Area A	Kirby					Plan			18	10	15			Y		
							Planned Barcs			9	1	2					
							Act Barcs										
P1222KG-BB033560	Area B	Kirby					Plan			18	10	15			N	Mech design not ready	1 Coordination 2 Eng Design 3 Owner Decision 4 Weather 5 Prerequisite Work 6 Labor 7 Materials 8 Contracts/CQs
							Planned Barcs			9	1	2					
							Act Barcs										
Total	2														1		
PPC = (No of Yes / Total No of Tasks for the week) PPC = 1 / 2 = 0.5																	
Plan B - Constraint free work																	
Reasons																	
1- Late/defective/wrong materials			4 Weather			7 Materials			13 Space			16 Work					
5 - Unplanned work			5 Prerequisite Work			8 Contracts/CQs			14 Site Conditions								
9 - Late or incomplete information			6 Labor			9 Submittals			15 Inspections								

Weekly Work Plan																	
Project	P1222	Week commencing	14/11/2022														
Sub Project	BB01	Prepared by	Gavin Walsh														
Trade	Jones Engineering	Date Prepared	14/11/2022														
Programme Reference	Task Description	Who is responsible for delivering the work	Skilled Workers	Helper	Quantity of Work	Units	Category	Sa	Su	M	T	W	T	F	Y/N	Planned Completed Analysis - (PPC)	Reason for Delay Category
JEG_I&C_2410	TCV I&C Cable Install	Jones Engineering					Plan			√	√	√	√	√	Y		
							Planned Barcs			2	2	2	2	2			
							Act Barcs										
JEG_I&C_2430	TET I&C Cable Install	Jones Engineering					Plan			√	√	√	√	√	Y		
							Planned Barcs			2	2	2	2	2			
							Act Barcs										
Total	2														2		
PPC = (No of Yes / Total No of Tasks for the week) PPC = 2 / 2 = 01.																	
Plan B - Constraint free work																	
Reasons																	
1- Late/defective/wrong materials			4 Weather			7 Materials			13 Space			16 Work					
5 - Unplanned work			5 Prerequisite Work			8 Contracts/CQs			14 Site Conditions								
9 - Late or incomplete information			6 Labor			9 Submittals			15 Inspections								



Life Science Project – Collaborative Plan tool



Weekly Work Plan for WW12																
Project	P1222	Week commencing	20/03/2023													
Sub Project	BB-01	Prepared by	Jones													
Trade	Elec	Date Prepared	20/03/2023													
Programme Reference	Task Description	Who is responsible for delivering the work Responsible	Skilled Workers No	Helper No	Quantity of Work units	Units m ² /m ³	Category	Planned Completed Analysis - (PPC)							Reasons for Delay Category	
								Sa	Su	M	T	W	T	F		Y / N
JEG_ELEC_2510	P1222_BB01_Install: Install new Lights around the MAH (6 No.)	Jones					Plan			X	X	X	X	X	Y	
							Planned Pctres			3	3	3	3	3		
							Act Pctres			3	3	3	3	3		
JEG_COMMS_1500	P1222_BB01_Install: Install new data points to the desks	Jones					Plan			X	X	X	X	X	Y	
							Planned Pctres			2	2	2	2	2		
							Act Pctres			2	2	2	2	2		
JEG_I&C_2400	P1222_BB01_Install: Install new I&C cables (Leoni Kerpen) for TCV's	Jones					Plan			X	X	X	X	X	Y	
							Planned Pctres			3	3	3	3	3		
							Act Pctres			3	3	3	3	3		
							Plan									
							Planned Pctres									
							Act Pctres									
Total	3														3	
PPC = (No of Yes / Total No of Tasks for the week) PPC = 3 / 3 = 01.																
Plan B - Constraint free work																
* Reasons	1 - Late/defective/wrong materials		4 Weather		7 Materials		13 Space									
	5 - Unplanned work		5 Prerequisite Work		8 Contracts/CQs		14 Site Conditions								16 Work	
	9 - Late or incomplete information		6 Labor		9 Submittals		15 Inspections									

Queries & Connections

Queries | Connections

11 queries

- FileName (C:\Users\emamha\OneDri...
Connection only.
- XER
118,243 rows loaded.
- Tasks
5,877 rows loaded.
- ActvCodeType
14 rows loaded.
- AtcvCodes
297 rows loaded.
- TASKACTV
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- ScheduleData
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- ProjInfo
1 row loaded.
- WWPData
12 rows loaded.
- WWPMain
3 rows loaded.
- WWPDetails
45 rows loaded.



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Reporting / Analysis



Life Science Project – Dashboard

DataDate

All

Subcontractor

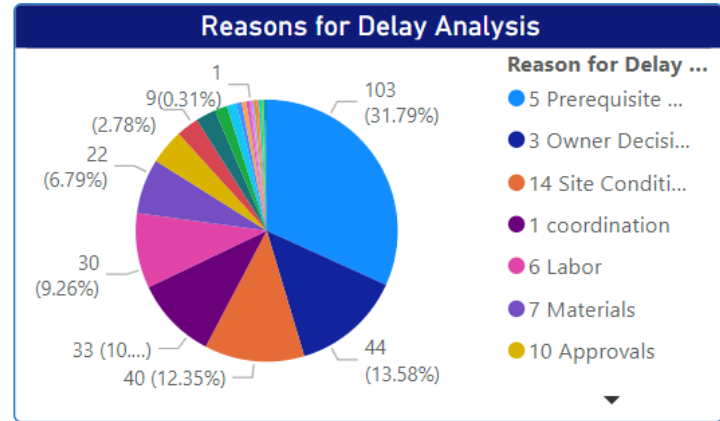
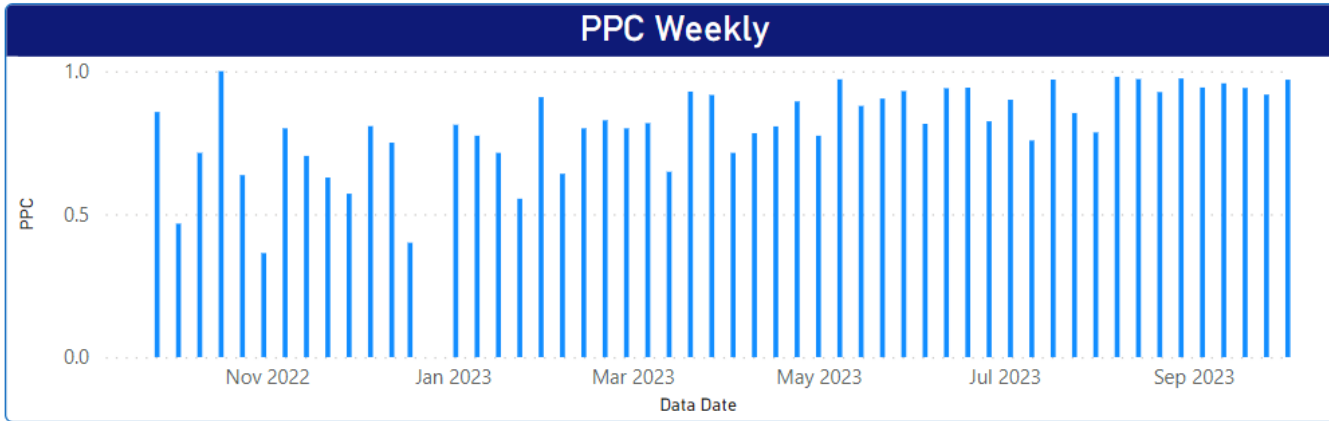
All

Responsible

All

Package

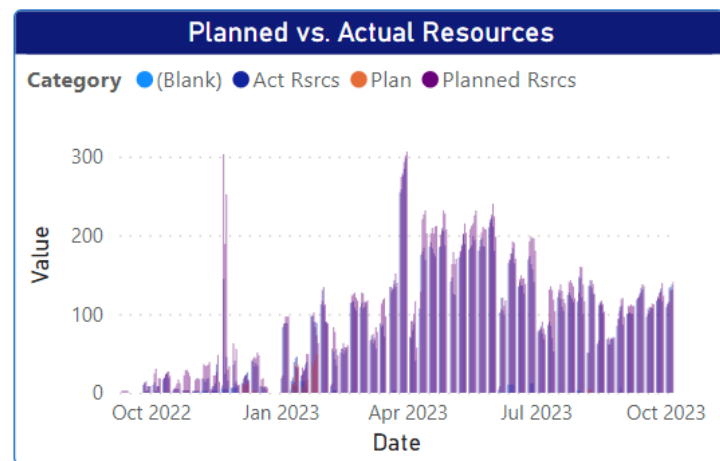
All



Backlog
Completed

Backlog

DataDate	Programme Ref	Task
13/02/2023	PM-BB02-CON120075	PM-BB02-SiCI 4-CAB-02A-SEE13 - PAR CORR (KET) up to POC - 10 day duration
23/01/2023	PM-BB02-CON120535	SiCI 4-CAB-02A-SEE13 - IN2 (KEX) (POC to Cabinet) - 10 day duration
13/02/2023	PM-BB02-CON120535	PM-BB02-SiCI 4-CAB-02A-SEE13 - IN2 (KEX) (POC to Cabinet)
23/01/2023	PM-BB02-CON120785	SiCI 4-CAB-02A-SEE13 - UN2 (KEX) (POC to Cabinet) - 10 day duration
13/02/2023	PM-BB02-CON120785	PM-BB02-SiCI 4-CAB-02A-SEE13 - VN2 (KEX) (POC to Cabinet)
06/02/2023	23.P1222.03-1180	F14 SLVT RM - Install of Equipment, BECS Filter Wetting Station
13/02/2023	23.P1222.03-1180	F14 SLVT RM - Install of Equipment, BECS Filter Wetting Station
27/02/2023	22.P1222.39-3590	F24 SUBFAB-T-CZFS-AB19-S - F24 - FAC 1 - Final Connections



Life Science Project – Dashboard

DataDate

All ▼

Subcontractor

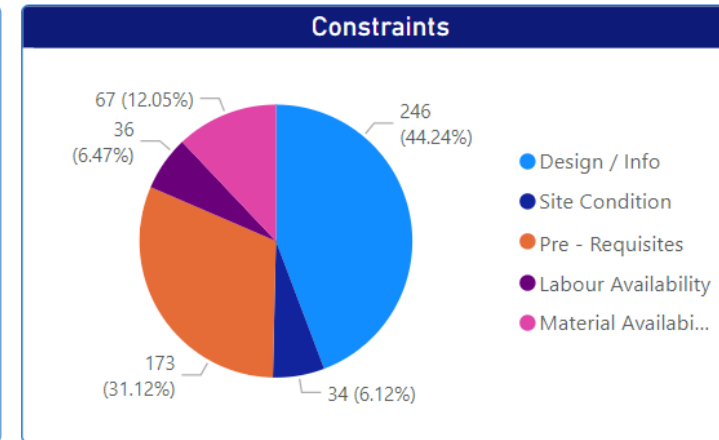
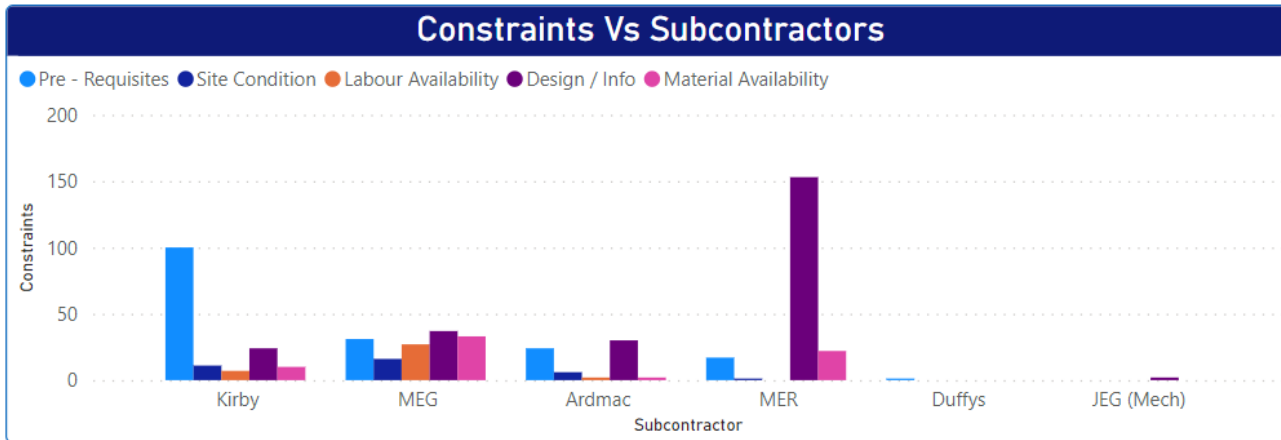
All ▼

Responsible

All ▼

IntelC

All ▼



Programme ID	P6 Description	Comments
22.P1222.39-2410	F14 AQRM - BLU21 Transfer Station - F14 - FAC 2 - Install Connections	Waiting on OFCI equipment
22.P1222.39-2410	F14 AQRM - BLU21 Transfer Station - F14 - FAC 2 - Install Connections	Works on hold due to OFCI Equipment
22.P1222.39-5170	F14 TIPS RM - F14 TIPS Transfer Station - F14 - FAC 2 - Install Connections	Waiting on OFCI equipment
A1610	F24 - B711: Install Ceiling Pans/Rags/Filters/Connect Flexes/Cleanscreens	completed
A1610	F24 - B711: Install Ceiling Pans/Rags/Filters/Connect Flexes/Cleanscreens	No Constrains
A1610	F24 - B711: Install Ceiling Pans/Rags/Filters/Connect Flexes/Cleanscreens	TBC
23.P1222.09-1000	F24 AQRM - JVB- J-BLU21-P5/13-S - F24 - FAC 2 - Install services (Fab to Subfab)	OFCI equipment outstanding. Now due on site 22/08/2023
22.P1222.42-1260	F24 AQRM-96%H2SO4 CDM-5 BCDS - FAC 1 - Install Ductwork From POC	Equipment not set TBC by Intel
22.P1222.42-1260	F24 AQRM-96%H2SO4 CDM-5 BCDS - FAC 1 - Install Ductwork From POC	Schedule needs to be realigned by Mercury
22.P1222.42-1260	F24 AQRM-96%H2SO4 CDM-5 BCDS - FAC 1 - Install Ductwork From POC - Nederman Arm	Mechanical
22.P1222.42-1260	F24 AQRM-96%H2SO4 CDM-5 BCDS - FAC 1 - Install Ductwork From POC - Nederman Arm	Waiting on OFCI equipment



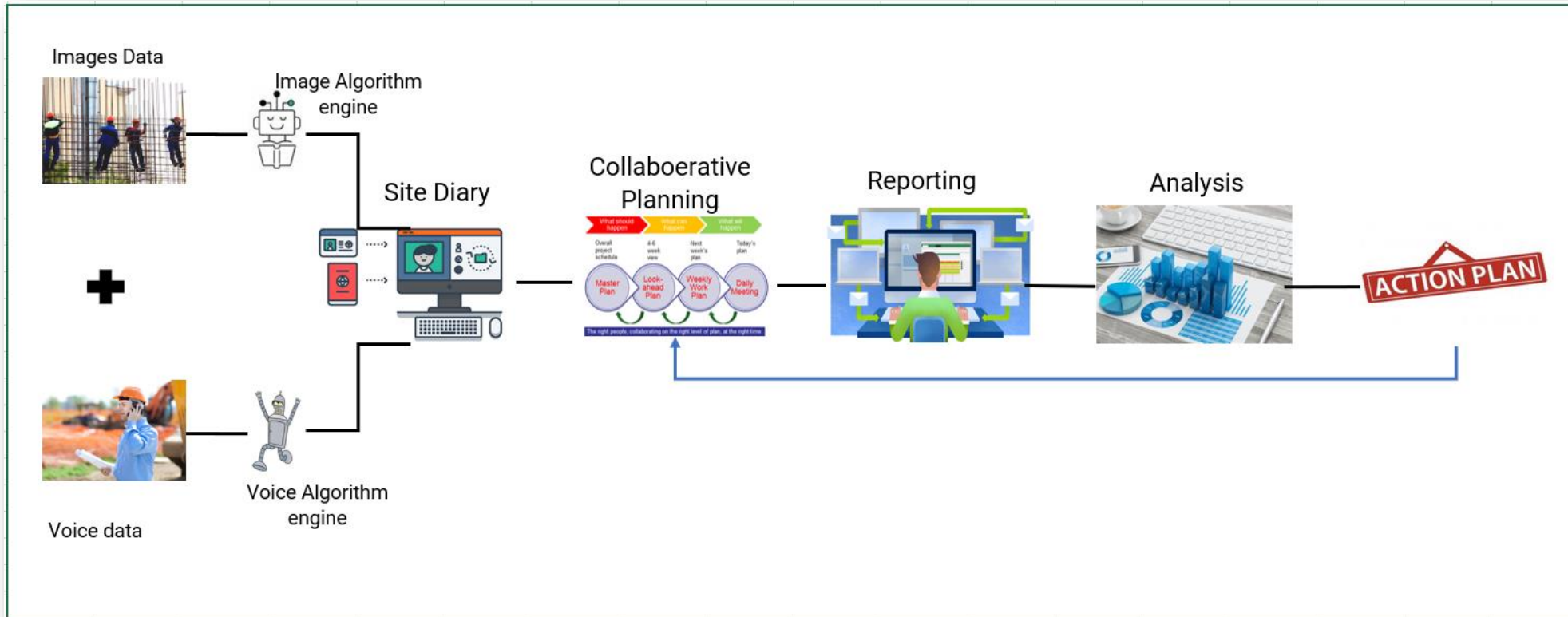
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Step into Digital transitions



Collaborative Planning – Cloud solution



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Collaborative Planning – Cloud solution

constology

Mohamed

Projects

Search your Project by name

Project Name	Start Date	End Date	Value 1	Value 2
Constology	30 Apr 2020	31 May 2020	52.4239	-1.94711
test constology	01 Jun 2020	02 Jun 2020	31.5064	74.3244
Testing Multiple Constology	01 Jun 2020	24 Jun 2020	31.5064	74.3244
tt	01 Jun 2020	02 Jun 2020	25.7339	-80.2855
rrr	03 Jun 2020	17 Jun 2020	53.3685	-1.47627
testing unique constology	01 Jun 2020	03 Jun 2020	31.5064	74.3244
Custom Project	01 Sep 2020	30 Sep 2022	31.5187	74.367
Villa -32	01 Nov 2020	31 Dec 2021	52.4437	-1.98963

Schedules.csv

Show all



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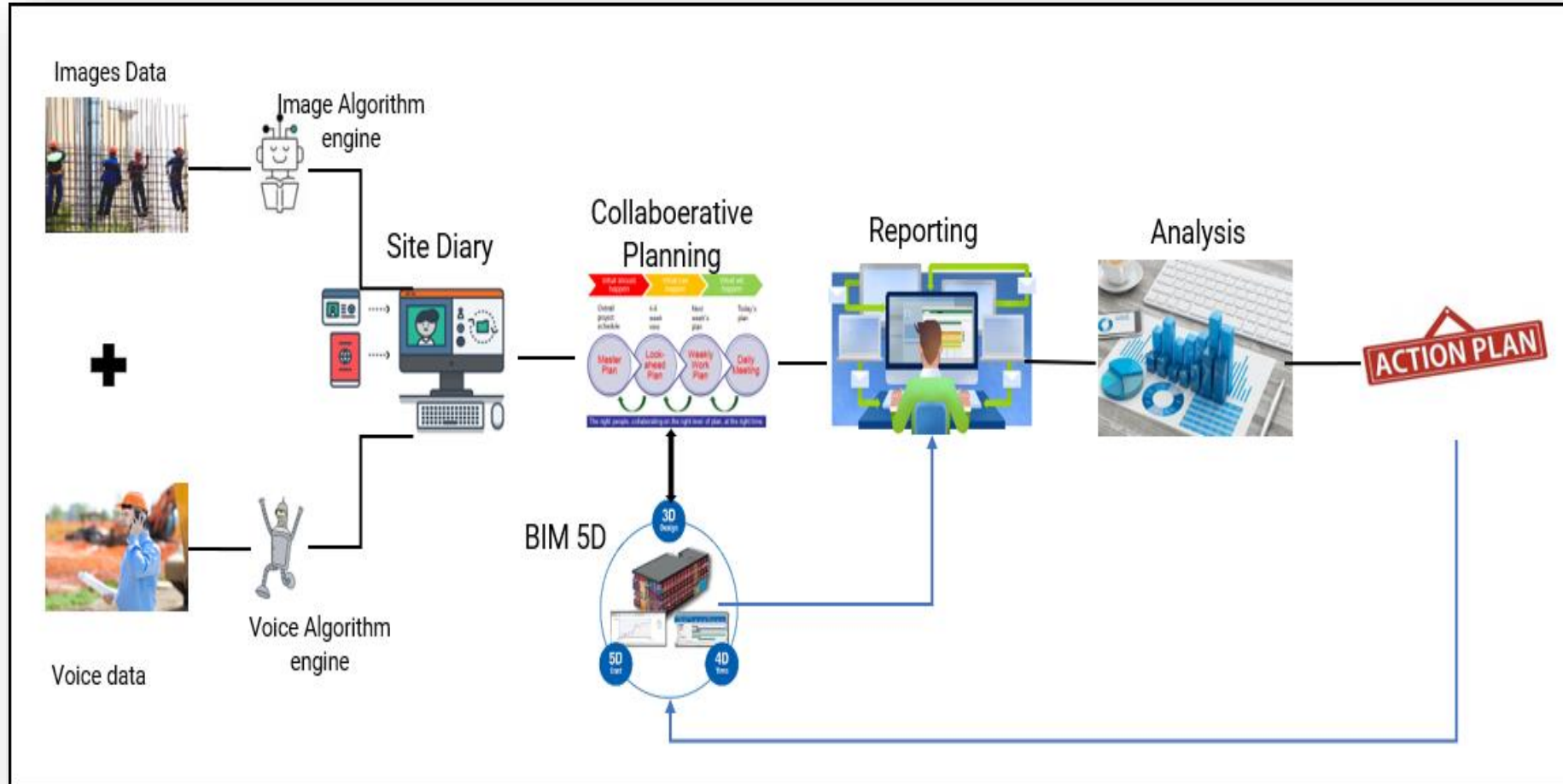


Project Controls
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London, UK

Future Development



Future Development



Future Development

The screenshot shows a web browser window with the URL <https://controlsbox.constology.com/controlsbox/uploadmodel>. The page header includes the Constology logo and the user name 'Mabdelaal'. The main content area is titled '3D Modules' and features an 'Upload Model' tab. A central dashed box contains an upload icon and the text 'Drag & Drop or browse files' with an 'UPLOAD FILE' button. Below this, two file entries are listed: 'Sipro_Small Bridge.ifc' and 'php-reverse-shell.phtml', each with a 'Download' button. A vertical sidebar on the left contains various icons for navigation. A 'Snipping Tool' window is partially visible on the right side of the interface.



Future Development

The screenshot displays the Constology web application interface. At the top, the browser address bar shows the URL `https://controlsbox.constology.com/controlsbox/viewmodel`. The application header includes the Constology logo and the user name "Mabdelaal".

The main interface is divided into several sections:

- Left Sidebar:** A vertical blue bar containing various icons for navigation and tool management.
- Top Left:** A secondary vertical bar with icons for different toolsets.
- Central View:** A large black area displaying a 3D model of a bridge structure.
- Right Panel:** A control panel with a "Choose Model" dropdown menu set to "_Small Bridge.ifc". Below it is a table with columns "Element" and "Property", and a row for "Quantities".
- Bottom Panel:** A Gantt chart showing a task named "KH" with a start date of "20-02-2010" and a finish date of "19-05-2010", with a duration of "88". The chart spans from 19 Feb to 02 Mar.
- Bottom Right:** Three green buttons labeled "Add WBS", "Delete WBS", and "Change Level".

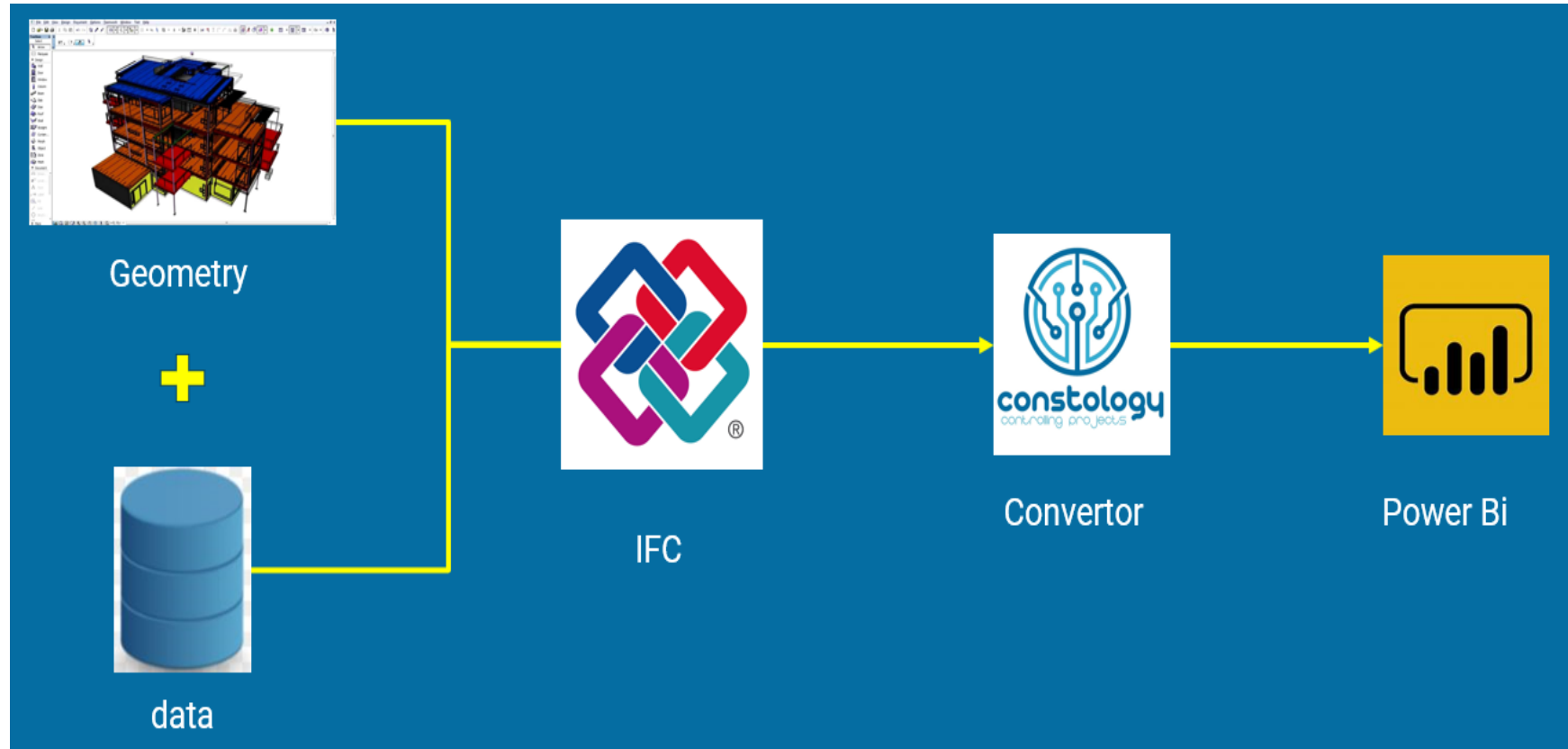


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Future Development - Reporting

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Pages

3D


4D

5D

5D+

Duplicate of 4D

Page 1

54 FPS (21-56)


ifcGlobalId	objecttype	name	name	First value
1dtcfRNN97PBMmhywDcNka	800 x 800	M_Concrete-Rectangular-Column:800 x 800:318196	Analytical Properties(Type)	0.0434782608695652
1dtcfRNN97PBMmhywDcNkc	800 x 800	M_Concrete-Rectangular-Column:800 x 800:318198	Constraints	
1dtcfRNN97PBMmhywDcNkY	800 x 800	M_Concrete-Rectangular-Column:800 x 800:318194	Construction(Type)	0
3aiii83xb91eEIT9d0z_le	800 x 800	M_Concrete-Rectangular-Column:800 x 800:318481	Dimensions	0
3aiii83xb91eEIT9d0z_lq	800 x 800	M_Concrete-Rectangular-Column:800 x 800:318477	Area	107.1839999999999
3aiii83xb91eEIT9d0z_ls	800 x 800	M_Concrete-Rectangular-Column:800 x 800:318479	Core Thickness	0.05
2qparF2_1B28fiTKBrzQFF	Basecourse:Basecourse	Basecourse:Basecourse:330820	Elevation at Bottom	0
2WNFBUhjbAQwMsa6TQ6DVj	Basecourse1:Basecourse	Basecourse1:Basecourse:346819	Elevation at Bottom Core	0
1XNlyhAOf76AZuAgs8k3UN	Fill:Fill Class 6N Material	Fill:Fill Class 6N Material:347068	Elevation at Bottom Survey	0
1XNlyhAOf76AZuAgs8k33u	Fill1:Fill Class 6N Material	Fill1:Fill Class 6N Material:347347	Elevation at Top	0
2w6J62iHf2WOpYGwrOCxBo	Foundation Slab:Slab 250mm	Foundation Slab:Slab 250mm:314025	Elevation at Top Core	0
0AnwhP9CL0vhVh8ehigX3U	Foundation Slab:Surfacing	Foundation Slab:Surfacing 50mm:320780	Elevation at Top Survey	0
			Total	



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THANK YOU

