

# Connecting Management Dashboards Directly to the Work Front Reality

---

**Emre Gokyigit**

Senior Associate Director  
Laminar Projects

**Harry Rushworth**

Digital Construction Imp. Eng.  
Shape Construction

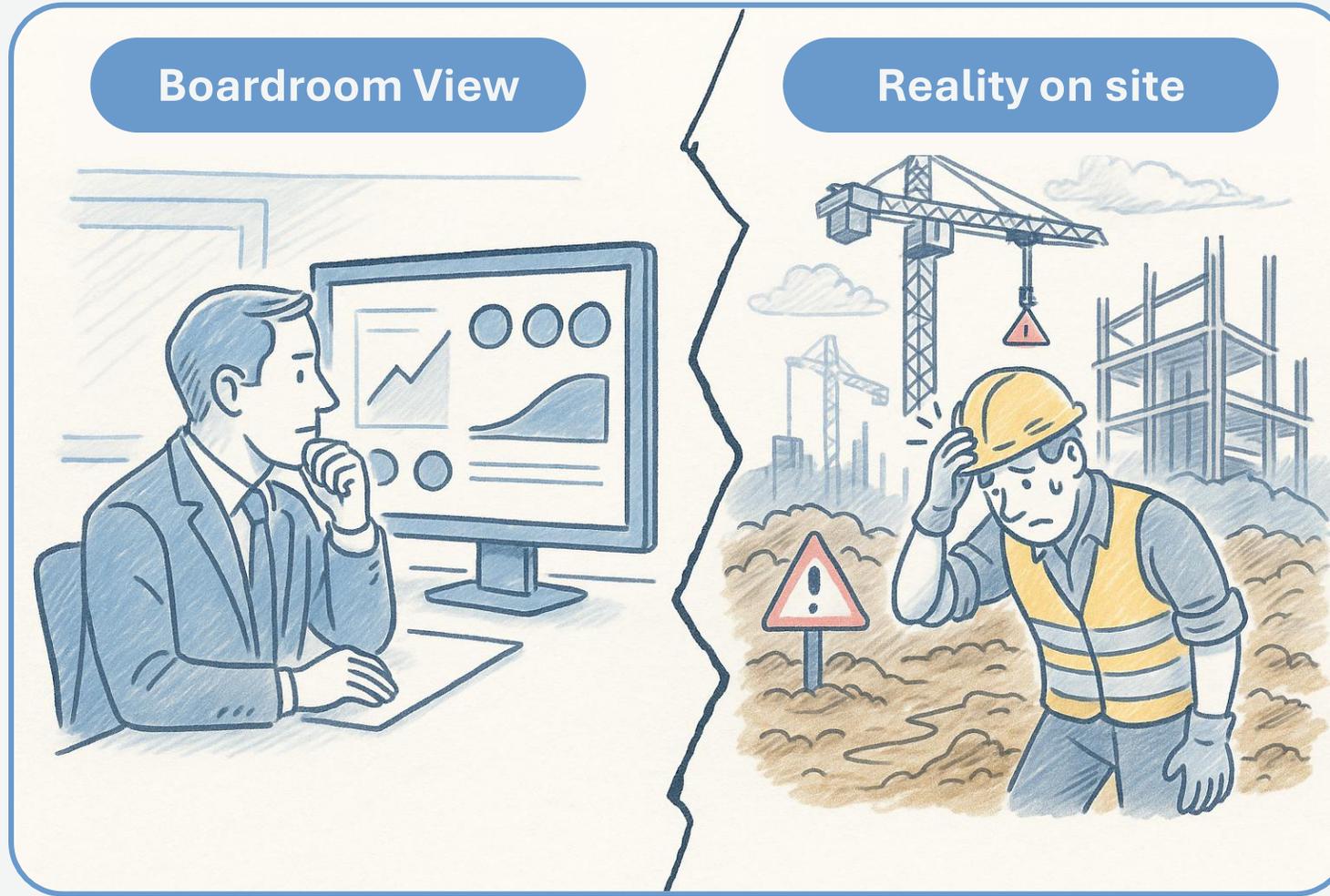
# Intro

---

# The Journey



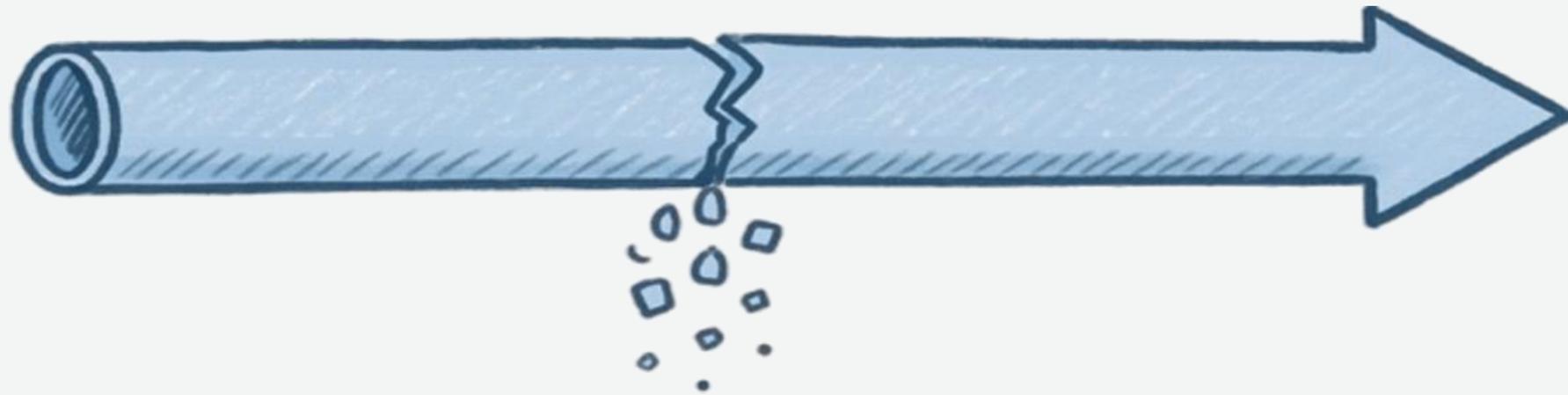
# The Contrast



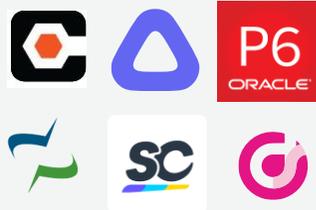
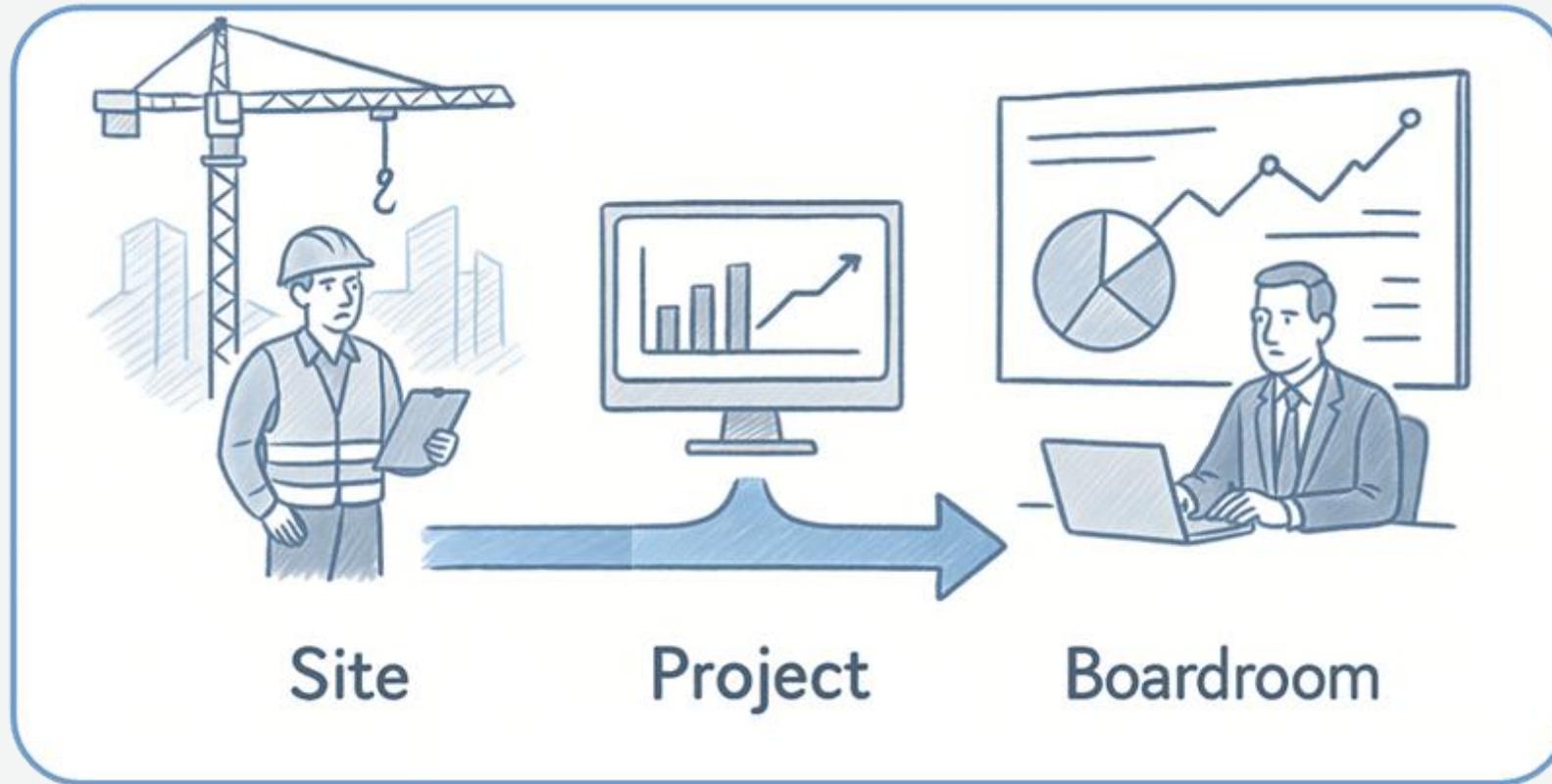
# The Disconnect We All Know Too Well

Site Data

Boardroom

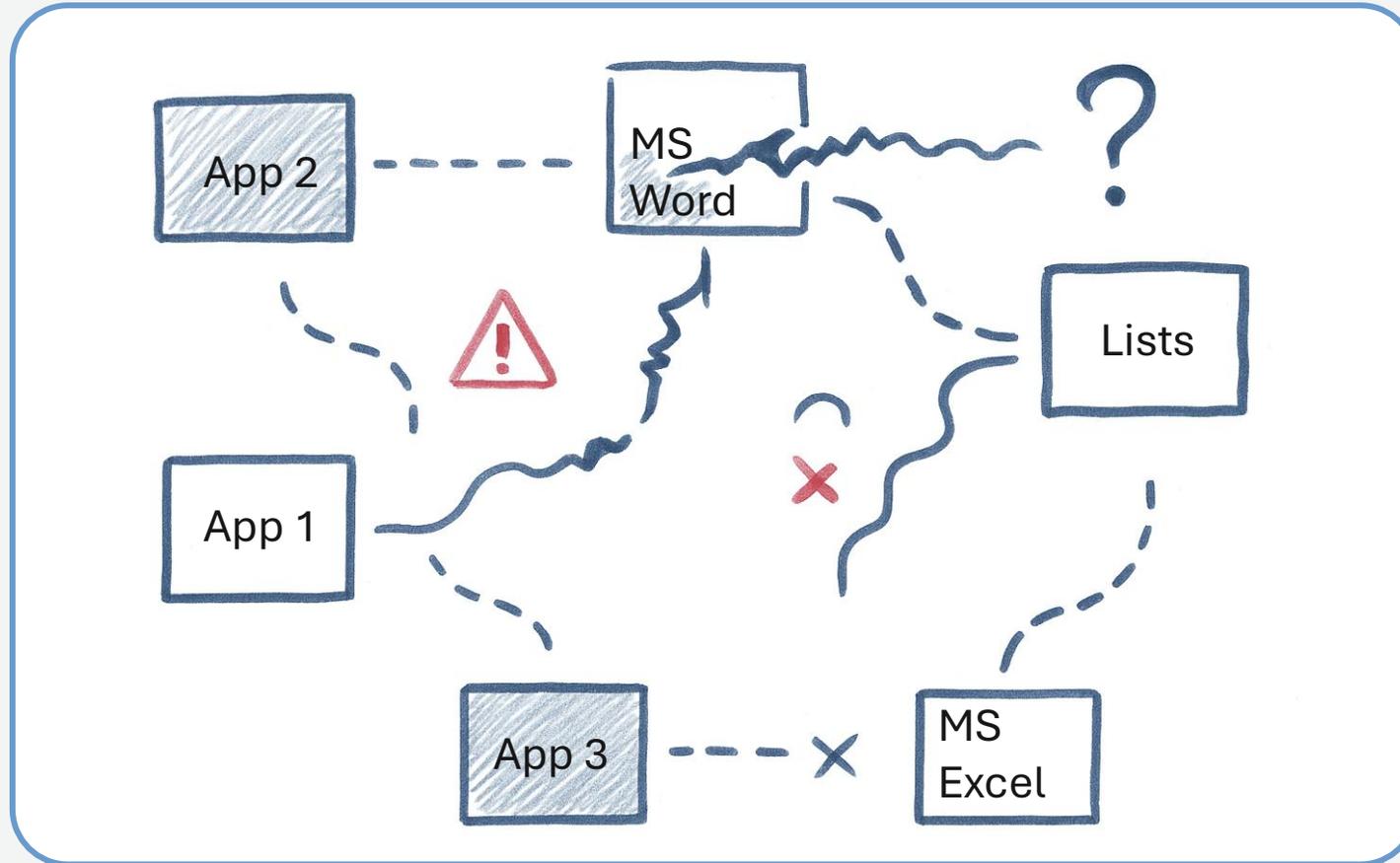


# From Lagging Information to Living Insight

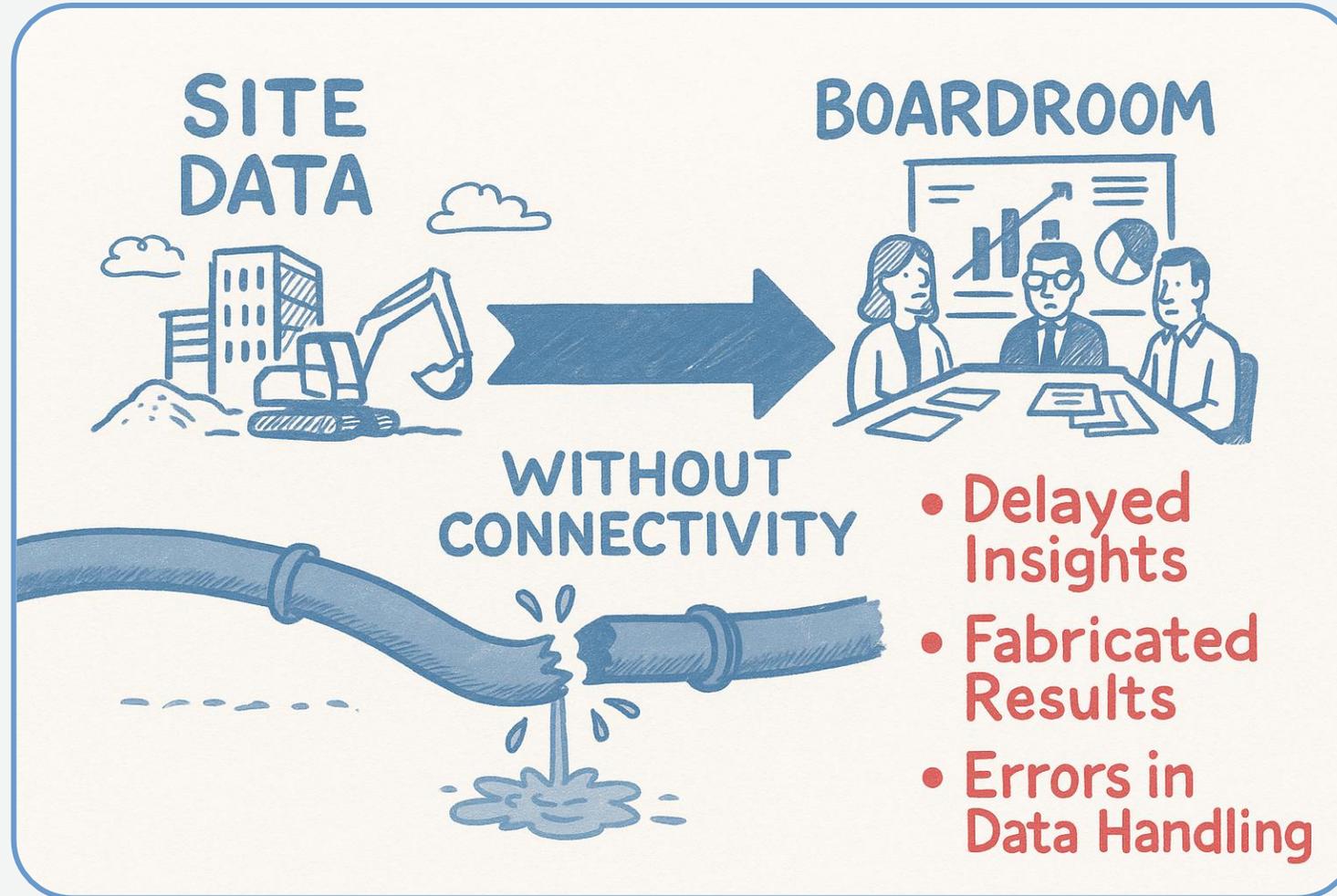


# The Systematic Problem

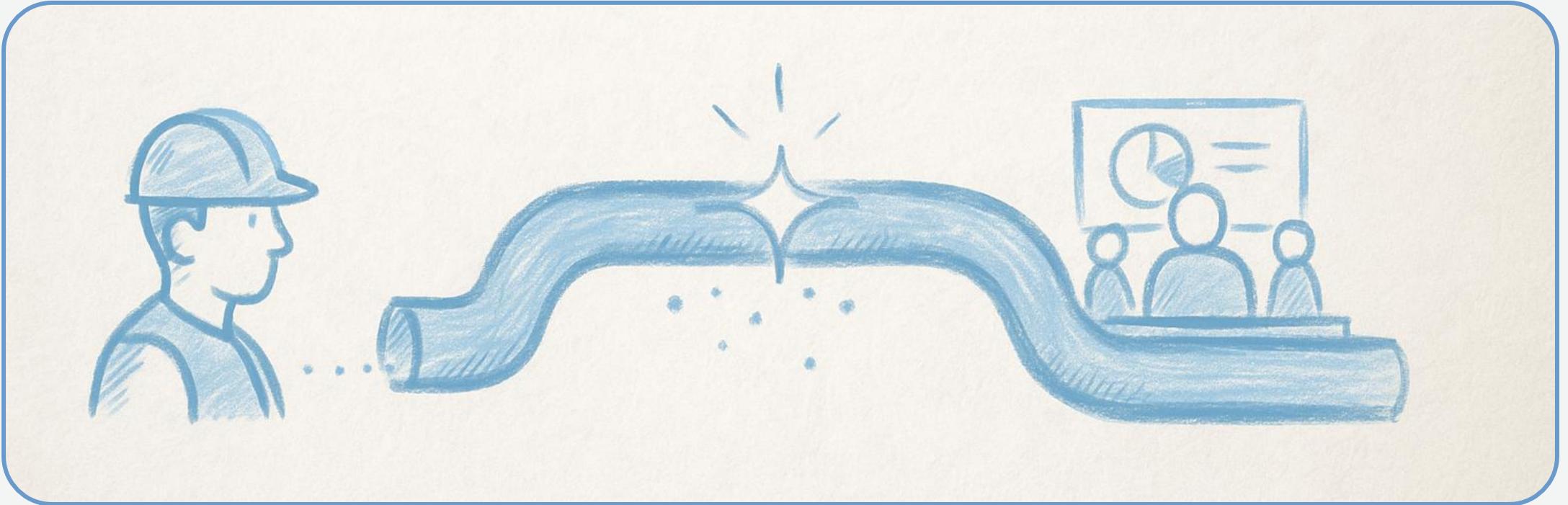
# Where the Data Breaks Down



# The Cost of Fragmentation



# Framing the Challenge



*How do we make data flow cleanly, from the people doing the work to those steering the project?*

# The Framework

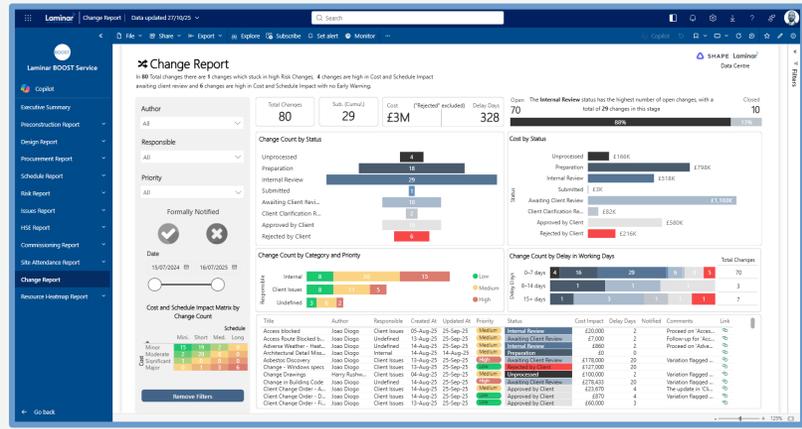
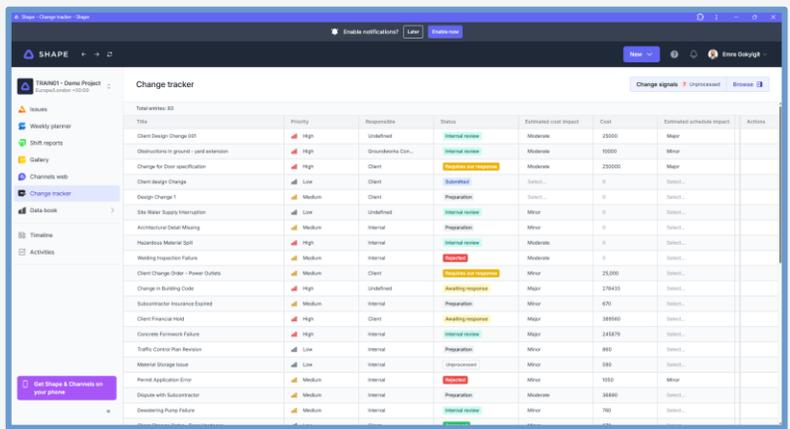
---

# Fixing the Pipe

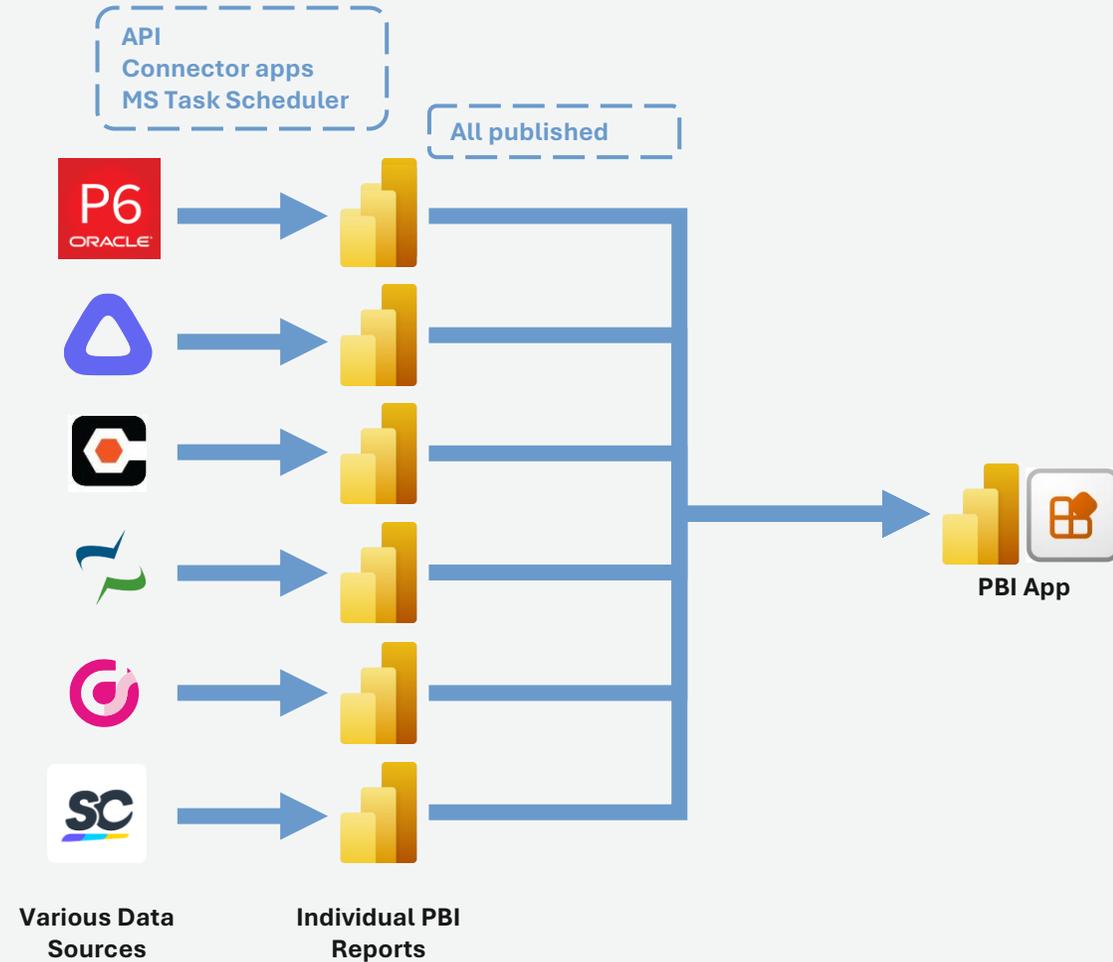
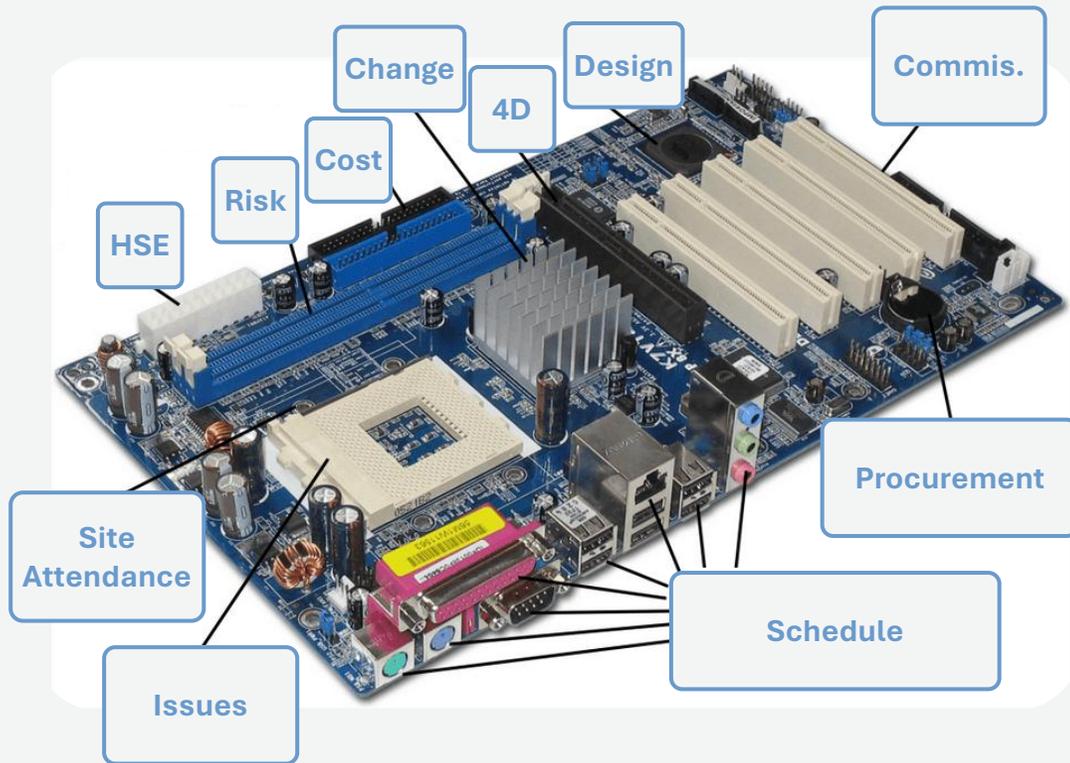
## Boardroom

## Project

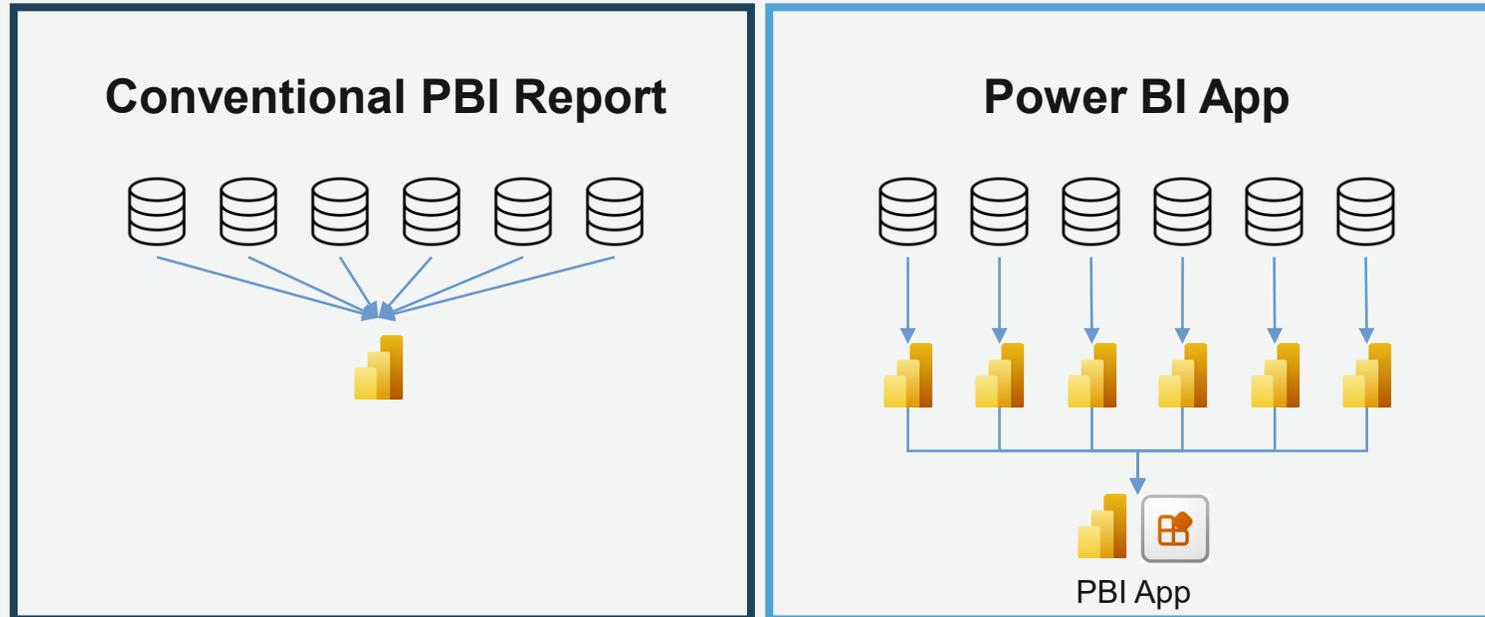
## Site



# Connecting the Systems

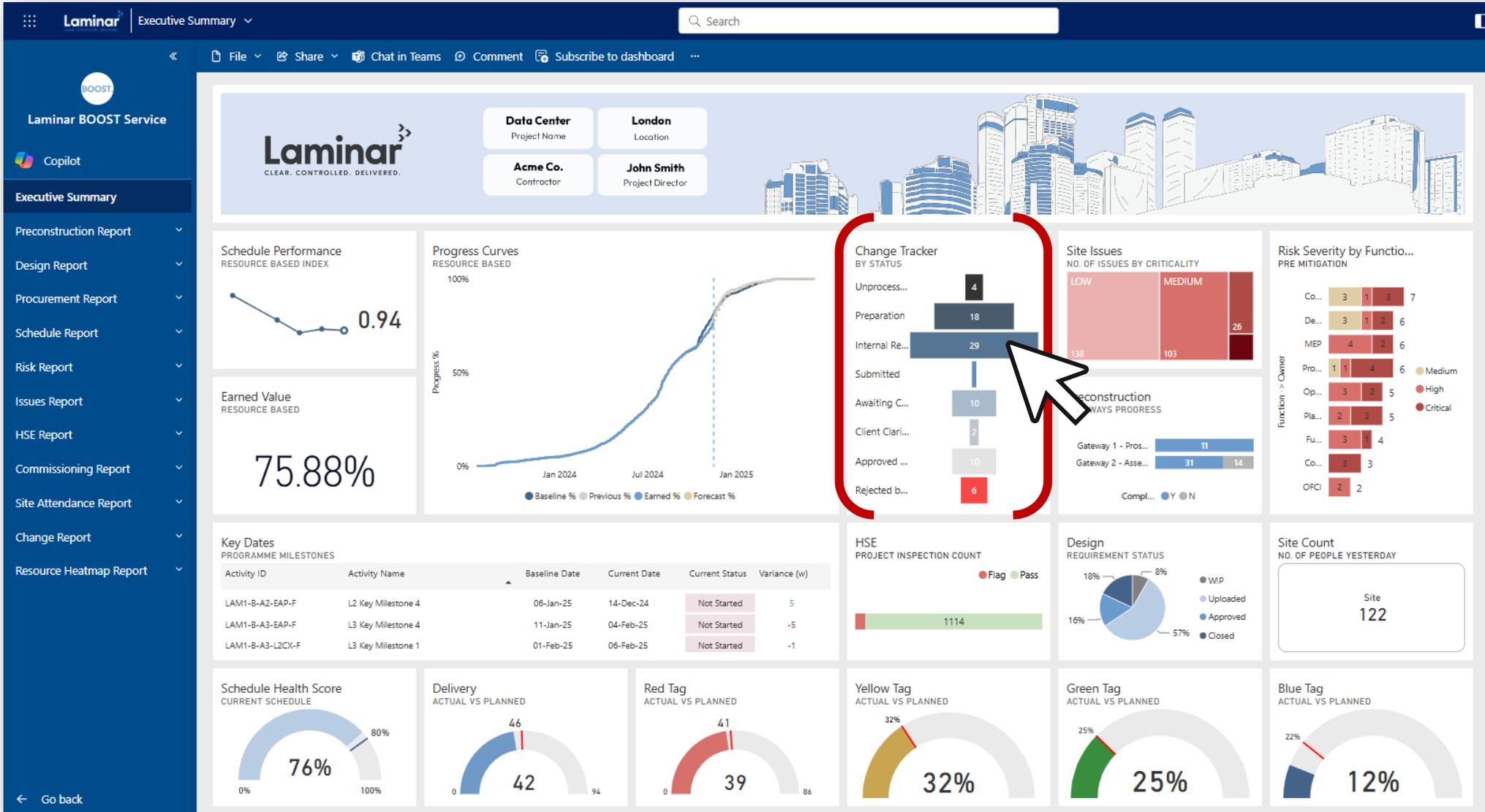


# Why Power BI App Beats a Single File



- 1 **Performance & Scalability** – faster refresh, modular reports.
- 2 **Ease of Maintenance** – each report is independent.
- 3 **Controlled Access** – share risk data with risk teams, finance data with finance teams.

# The Boardroom Level



# The Project Level: Change Report



Laminar | Change Report | Data updated 27/10/25

**Laminar BOOST Service**

Copilot

- Executive Summary
- Preconstruction Report
- Design Report
- Procurement Report
- Schedule Report
- Risk Report
- Issues Report
- HSE Report
- Commissioning Report
- Site Attendance Report
- Change Report
- Resource Heatmap Report

Go back

## Change Report

In 80 Total changes there are 1 changes which stuck in high Risk Changes, 4 changes are high in Cost and Schedule Impact awaiting client review and 6 changes are high in Cost and Schedule Impact with no Early Warning.

Author: All

Responsible: All

Priority: All

Formally Notified:

Date: 15/07/2024 - 16/07/2025

Cost and Schedule Impact Matrix by Change Count

Cost	Schedule			
	Mini	Short	Med.	Long
Minor	15	19	2	0
Moderate	2	20	8	0
Significant	1	0	0	0
Major	0	1	3	6

Remove Filters

Total Changes: **80**

Sub. (Cumul.): **29**

Cost ("Rejected" excluded): **£3M**

Delay Days: **328**

Open: **70** (88%)

Closed: **10** (13%)

### Change Count by Status

Unprocessed	4
Preparation	18
Internal Review	29
Submitted	1
Awaiting Client Revi...	10
Client Clarification R...	2
Approved by Client	10
Rejected by Client	6

### Change Count by Category and Priority

Responsible	Low	Medium	High
Internal	8	20	15
Client Issues	8	11	5
Undefined	3	6	2

### Change Count by Delay in Working Days

Delay Days	Total Changes
0-7 days	70
8-14 days	3
15+ days	7

### Cost by Status

Unprocessed	£166K
Preparation	£798K
Internal Review	£518K
Submitted	£3K
Awaiting Client Review	£1,163K
Client Clarification Re...	£82K
Approved by Client	£580K
Rejected by Client	£216K

### Change Count by Delay in Working Days

Delay Days	Total Changes
0-7 days	70
8-14 days	3
15+ days	7

Filters

Title	Author	Responsible	Created At	Updated At	Priority	Status	Cost Impact	Delay Days	Notified	Comments	Link
Access blocked	Joao Diogo	Client Issues	05-Aug-25	25-Sep-25	Medium	Internal Review	£20,000	2		Proceed on 'Acces...	
Access Route Blocked b...	Joao Diogo	Undefined	13-Aug-25	25-Sep-25	Medium	Awaiting Client Review	£7,000	2		Follow-up for 'Acc...	
Adverse Weather - Heat...	Joao Diogo	Undefined	14-Aug-25	25-Sep-25	Medium	Internal Review	£860	2		Proceed on 'Adve...	
Architectural Detail Miss...	Joao Diogo	Internal	14-Aug-25	14-Aug-25	Medium	Preparation	£0	0			
Asbestos Discovery	Joao Diogo	Client Issues	13-Aug-25	25-Sep-25	High	Awaiting Client Review	£178,000	20		Variation flagged ...	
Change - Windows specs	Joao Diogo	Client Issues	13-Aug-25	25-Sep-25	Low	Rejected by Client	£127,000	20			
Change Drawings	Harry Rushw...	Client Issues	04-Aug-25	25-Sep-25	Medium	Unprocessed	£100,000	2		Variation flagged ...	
Change in Building Code	Joao Diogo	Undefined	14-Aug-25	25-Sep-25	High	Awaiting Client Review	£278,433	20		Variation flagged ...	
Client Change Order - A...	Joao Diogo	Client Issues	14-Aug-25	25-Sep-25	Medium	Approved by Client	£23,670	4		The update in 'Cli...	
Client Change Order - D...	Joao Diogo	Client Issues	14-Aug-25	25-Sep-25	Low	Approved by Client	£870	4		Variation flagged ...	
Client Change Order - Fi...	Joao Diogo	Client Issues	13-Aug-25	25-Sep-25	Low	Approved by Client	£60,000	3			

125%

# So why does the industry still struggle to deal with Change effectively?

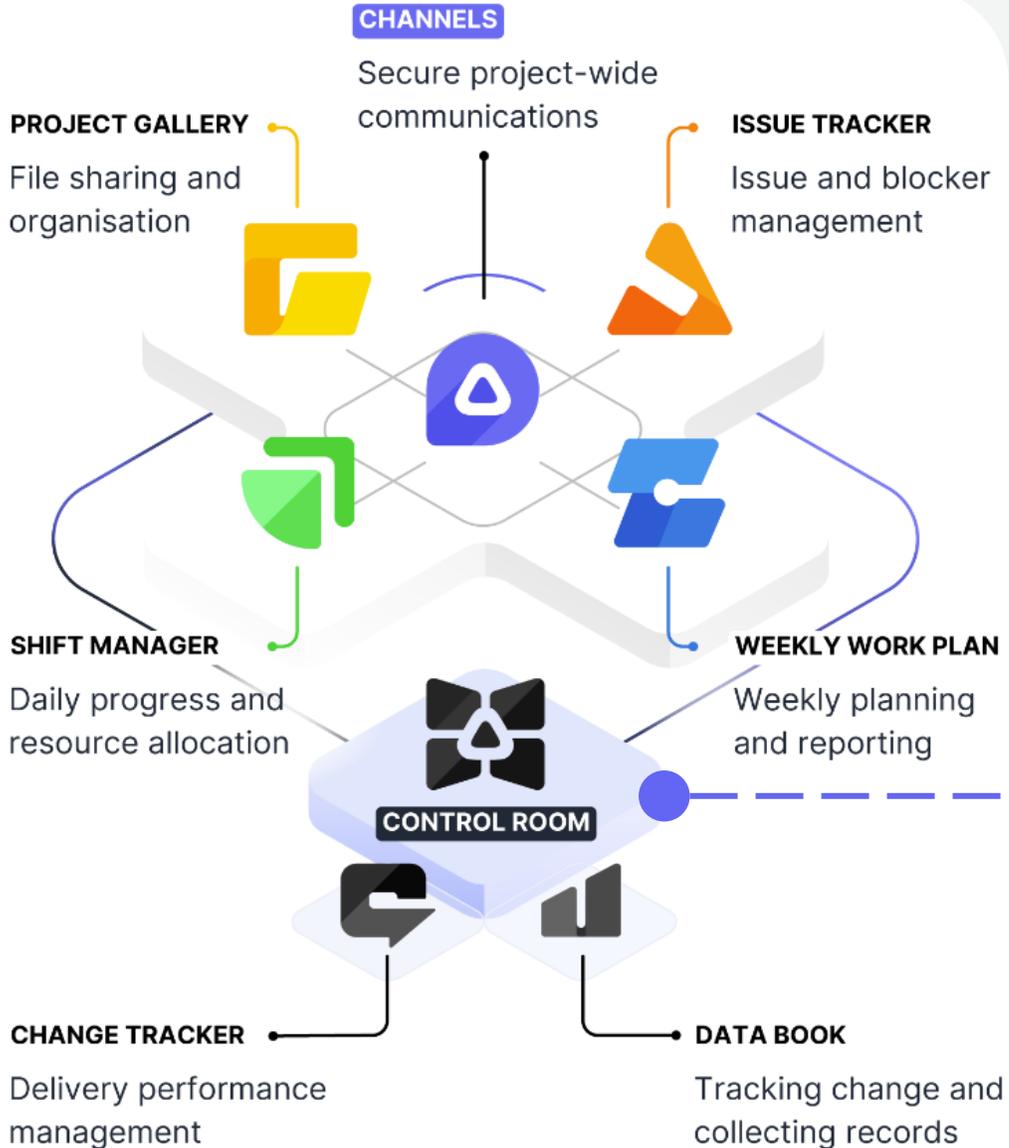
- Insufficient Records
- The right person isn't informed
- We find out about it too late to manage it
- We don't know the true impact on the schedule/programme



# The Solution: Shape

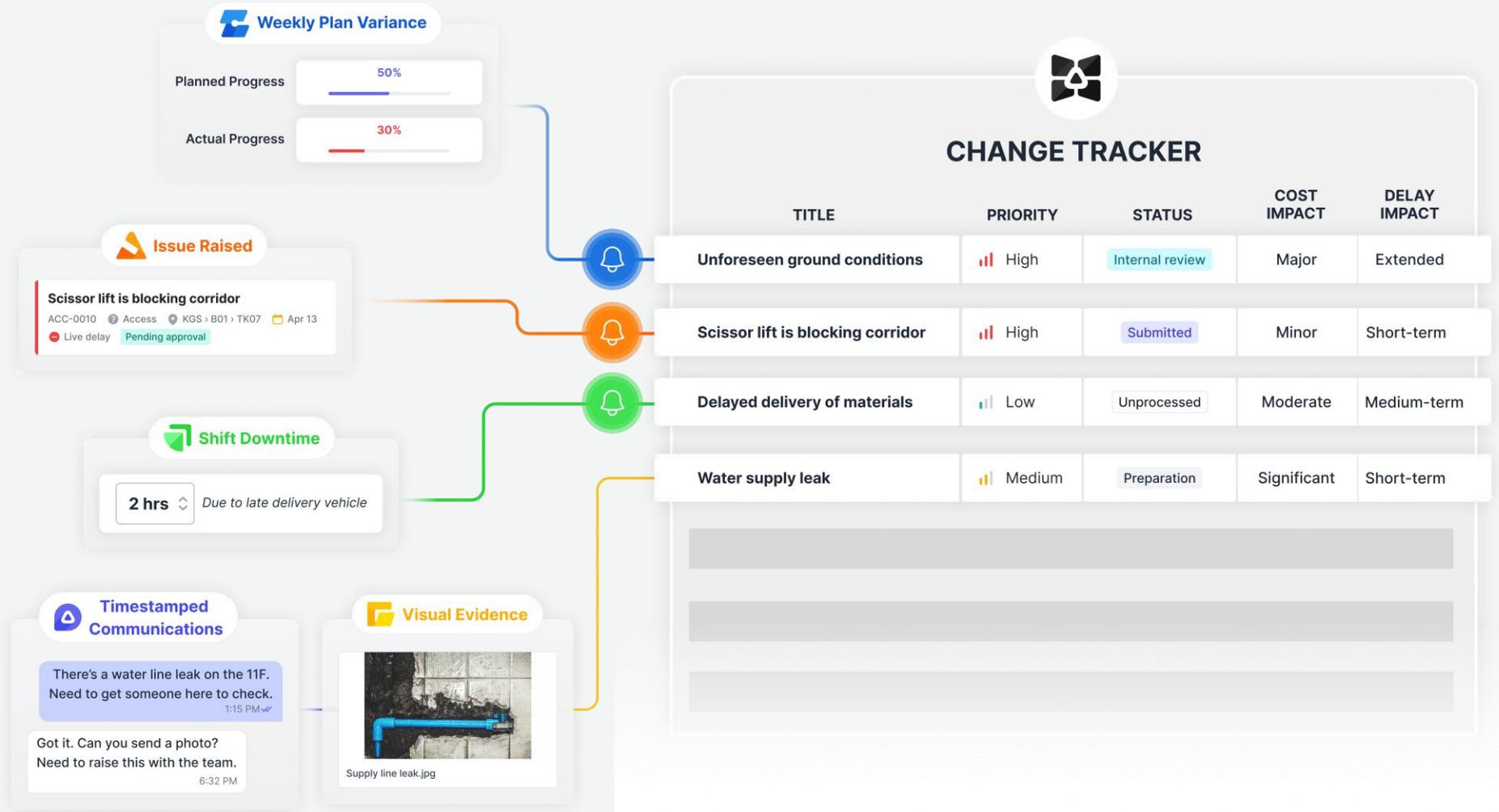
---

# At Site Level: Shape



Power BI Change Report

# At Site Level: A Closer Look



# At Site Level: A Closer Look

SHAPE ← → ↻ New ? 43 HAR Harry Rushworth

TRAIN01 - Demo Project  
Europe/London +00:00

Issues  
Weekly planner  
Shift reports  
Gallery  
Channels web  
**Change tracker**  
Data book  
Timeline  
Activities  
Admin

Get Shape & Channels on your phone

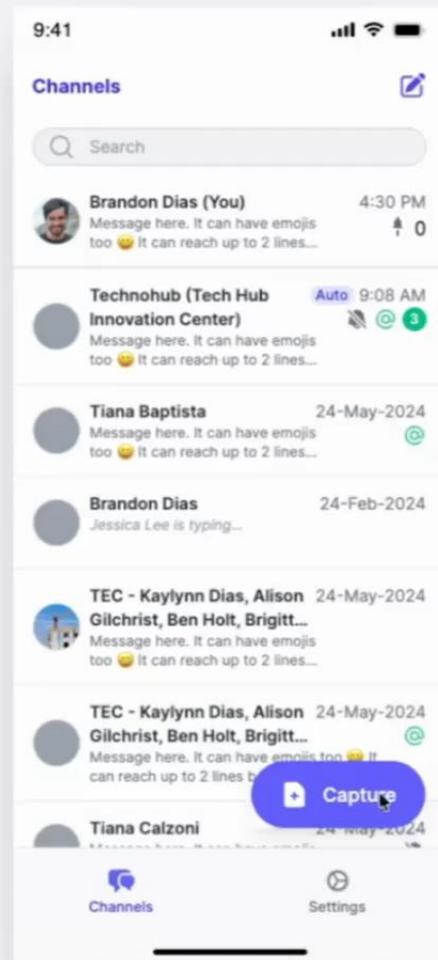
## Change tracker

Change signals 7 Unprocessed Browse

Total entries: 83 + New change

Title	Priority	Responsible	Status	Estimated	Actions
Client Design Change 001	High	Undefined	Internal review	Moderate	
Obstructions in ground - yard extension	High	Groundworks Con...	Internal review	Moderate	
Change for Door specification	High	Client	Requires our response	Moderate	
Client design Change	Low	Client	Submitted	Select...	
Design Change 1	Medium	Client	Preparation	Select...	
Site Water Supply Interruption	Low	Undefined	Internal review	Minor	
Architectural Detail Missing	Medium	Internal	Preparation	Minor	
Hazardous Material Spill	High	Internal	Internal review	Moderate	
Welding Inspection Failure	Medium	Internal	Rejected	Moderate	
Client Change Order - Power Outlets	Medium	Client	Requires our response	Minor	
Change in Building Code	High	Undefined	Awaiting response	Major	
Subcontractor Insurance Expired	Medium	Internal	Preparation	Minor	
Client Financial Hold	High	Client	Awaiting response	Major	
Concrete Formwork Failure	High	Internal	Internal review	Major	

# At Site Level: A Closer Look



**Capture an issue on Channels**

# Zooming Out

---

# Zooming Back Out

Shape - Change tracker - Shape

SHAPE New Emre Gokyigit

New version available [Update now](#)

Change signals 9 Unprocessed [Browse](#)

Change tracker

Total entries: 82

Title	Priority	Responsible	Status	Estimated cost impact	Cost	Estimated schedule impact	Working days of delay	Forma	Actions
Obstructions in ground - yard extension	High	Groundworks Con...	Internal review	Moderate	10000	Minor	2	22/10	
Change for Door specification	High	Supplier	Requires our response	Moderate	250000	Major	3	dd/m	
Client design Change	Low	Client	Submitted	Select...	0	Select...	0	dd/m	
Design Change 1	Medium	Client	Preparation	Select...	0	Select...	0	dd/m	
Site Water Supply Interruption	Low	Undefined	Internal review	Minor	0	Select...	0	dd/m	
Architectural Detail Missing	Medium	Internal	Preparation	Minor	0	Select...	0	07/10	
Hazardous Material Spill	High	Internal	Internal review	Moderate	0	Select...	0	07/10	
Welding Inspection Failure	Medium	Internal	Rejected	Moderate	0	Select...	0	dd/m	
Client Change Order - Power Outlets	Medium	Client	Requires our response	Minor	25,000	Select...	25	07/10	
Change in Building Code	High	Undefined	Awaiting response	Major	278433	Select...	20	dd/m	
Subcontractor Insurance Expired	Medium	Internal	Preparation	Minor	670	Select...	1	dd/m	
Client Financial Hold	High	Client	Awaiting response	Major	389560	Select...	30	dd/m	
Concrete Formwork Failure	High	Internal	Internal review	Major	245879	Select...	5	dd/m	
Traffic Control Plan Revision	Low	Internal	Preparation	Minor	860	Select...	1	dd/m	
Material Storage Issue	Low	Internal	Unprocessed	Minor	590	Select...	2	dd/m	
Permit Application Error	Medium	Internal	Rejected	Minor	1050	Minor	3	dd/m	
Dispute with Subcontractor	Medium	Internal	Preparation	Moderate	36890	Select...	4	dd/m	
Dewatering Pump Failure	Medium	Internal	Internal review	Minor	760	Select...	2	dd/m	
Client Change Order - Door Hardware	Low	Client	Approved	Minor	870	Select...	4	dd/m	
Procurement Delay - HVAC Units	High	Internal	Preparation	Major	256900	Select...	30	dd/m	



# Thank you

---