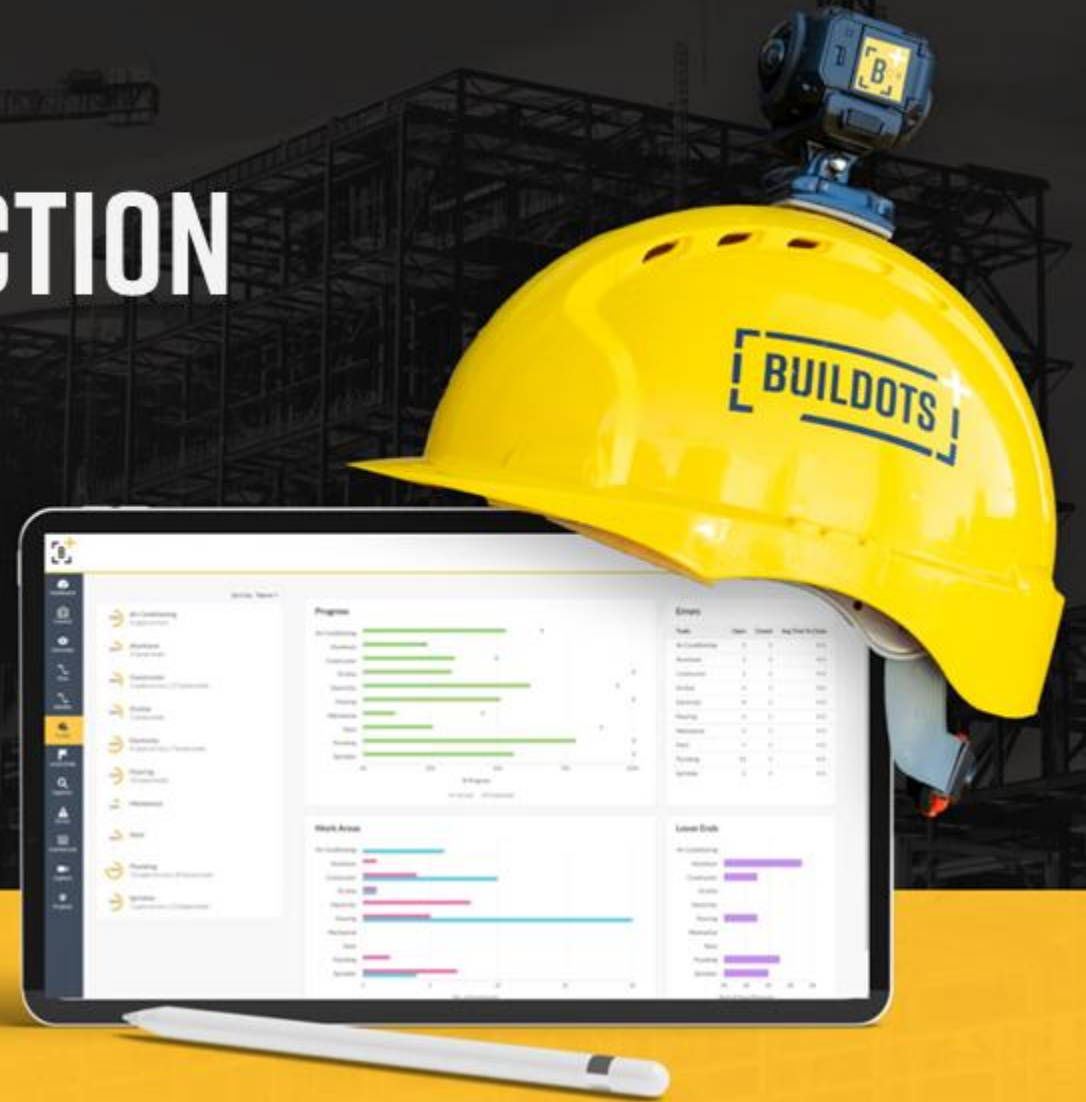




# REINVENTING CONSTRUCTION MANAGEMENT



The lack of process controls, creates an impossible situation for projects:



Poor **resource allocation** causes **delays** with a **knock-on effect** on other tasks



Previous partially completed task **blocks the next** from completion as well



**Recurring problems** are left unnoticed, becoming a root-cause for many issues on site



Early **indications of potential delays** are left **unhandled** until it's too late

LACK OF  
CONTROL

WITH PROPER PROCESS CONTROLS,  
ALL CAN BE AVOIDED



# BUILDOTS IS THE NEW WAY TO MANAGE CONSTRUCTION PROJECTS, **WITH DATA**

Achieving **Manufacturing-grade control** through the **capacity of a GoPro camera**. A breakthrough made possible with our proprietary AI image analysis technology.



## SEAMLESS CAPTURE

Effortless capture using wearable cameras.



## DEEP AI ANALYSIS

Analysis vs. BIM & schedule down to the smallest detail.



## CONSTRUCTION CONTROL CENTER

Affecting any construction site workflow through data.

# THE SOLUTION

PRODUCT VIDEO



# THE BENEFITS

PRODUCT VIDEO



## ADVANCED SCHEDULE TRACKING

- + Objective, coherent and automated
- + Saving valuable management time



## EARLY WARNINGS

- + Visibility and control of every detail
- + Controlling throughput and resources, avoiding bottlenecks



## SINGLE SOURCE OF TRUTH

- + Full process documentation, backed by visual proof
- + Improved collaboration and common language, removing friction

# PRODUCT HIGHLIGHTS



PRODUCT VIDEO



The tablet displays the BUILDOTS software interface. The top navigation bar includes: Dashboard, Control, Overview (selected), Flow, Trades, Issues, Explorer, Commercial, and Capture. On the right, there is a 'Project Name' field, a notification bell, and a user profile icon. Below the navigation, there are filters for 'All Levels', 'All Trades', and 'All Activities', along with a 'Show Progress Percentage' checkbox and an 'Export' button. The main area is a progress reporting table with 14 columns representing different trades and 19 rows representing levels (L1 to L19). The table uses color coding: green for 100% completion, orange for partial completion, and blue for other statuses.

	Super Structure	Handover	SVP	Framing Window Opening	Blocks Work	1st Fix Partitions	1st Fix Electrical	Air Conditioning	Main Sprinkler Pipes	1st Fix Plumbing	Gas Piping	Concrete Work	Plaster
L1	100%	96%	100%	100%	100%	100%	100%	92%	100%	100%	100%	100%	100%
L2	100%	97%	100%	100%	100%	100%	99%	98%	91%	100%	100%	100%	100%
L3		99%	100%	100%	100%	100%	99%	100%	100%	100%	100%	100%	67%
L4		98%	100%	100%	100%	99%	98%	100%	100%	94%	100%	100%	79%
L5		93%	100%	100%	100%	99%	94%	12%	100%	97%	100%	100%	78%
L6		98%	100%	100%	100%	99%	98%	64%	100%	99%	100%	100%	74%
L7		99%	100%	100%	100%	99%	99%	100%	100%	99%	100%	100%	100%
L8		94%	100%	100%	99%	100%	94%	100%	100%	99%	100%	100%	100%
L9		94%	100%	100%	100%	99%	99%	100%	100%	89%	100%	100%	100%
L10		92%	100%	100%	100%	99%	93%	100%	100%	94%	100%	100%	100%
L11		92%	100%	100%	100%	99%	92%	100%	100%	98%	100%	100%	100%
L12		94%	100%	100%	100%	98%	93%	93%	100%	97%	100%	97%	25%
L13		91%	100%	100%	100%	98%	93%	19%	100%	94%	100%	97%	
L14		90%	67%	100%	100%	93%	92%	72%	94%	10%	100%	94%	
L15		98%	60%	100%	100%	72%	94%	7%	100%	67%	100%	92%	
L16		98%	50%	100%	100%	94%	93%		100%	62%	28%		
L17		91%	34%	100%	100%	94%	72%		100%	7%			
L18		90%		100%	98%	22%							
L19		94%											

## PROGRESS REPORTING

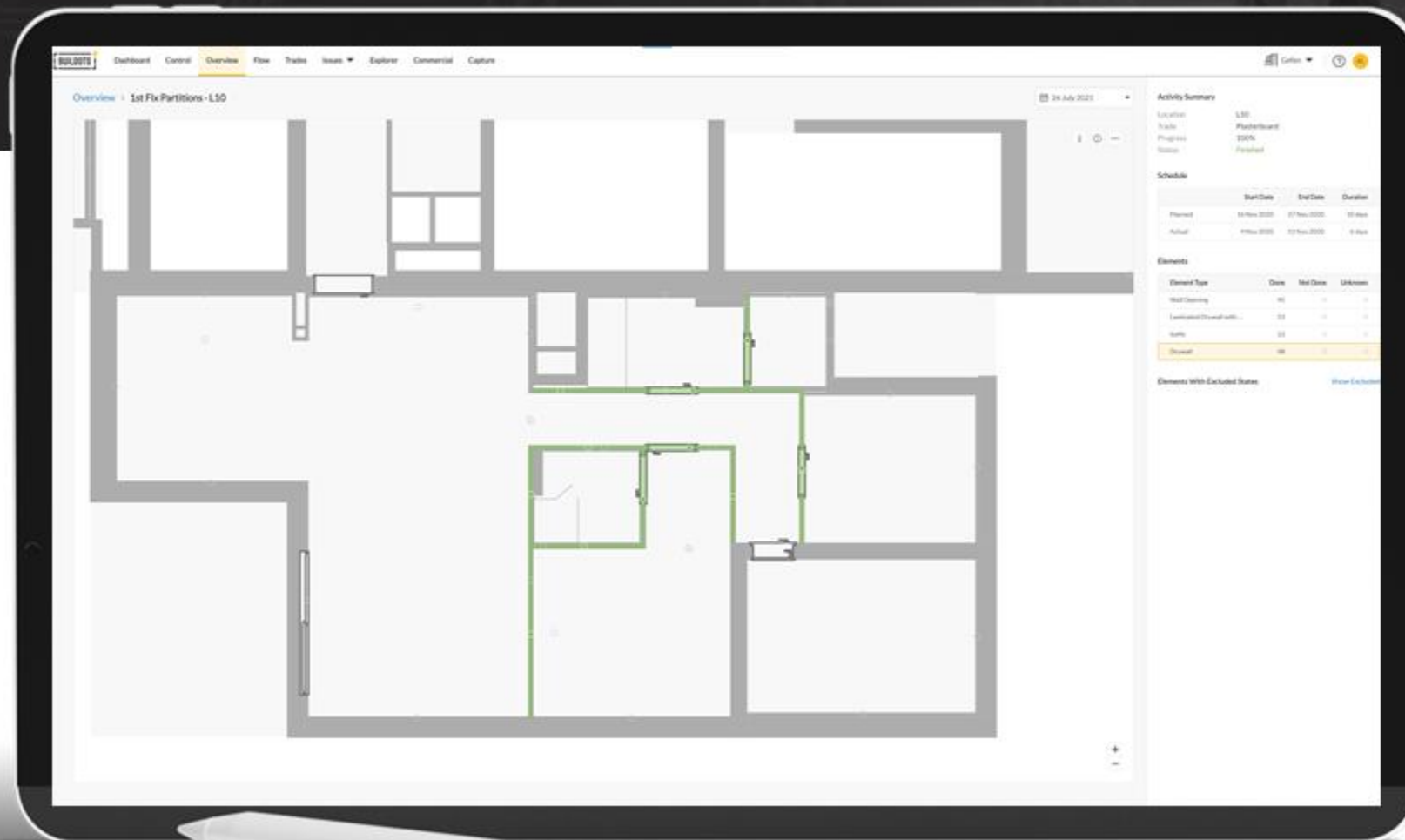
Accurate and objective progress reports, extracted from the visuals captured on site.

*Single source of truth.*

# PRODUCT HIGHLIGHTS



PRODUCT VIDEO



## PROGRESS REPORTING

Accurate and objective progress reports, extracted from the visuals captured on site.

*Single source of truth.*



# PRODUCT HIGHLIGHTS



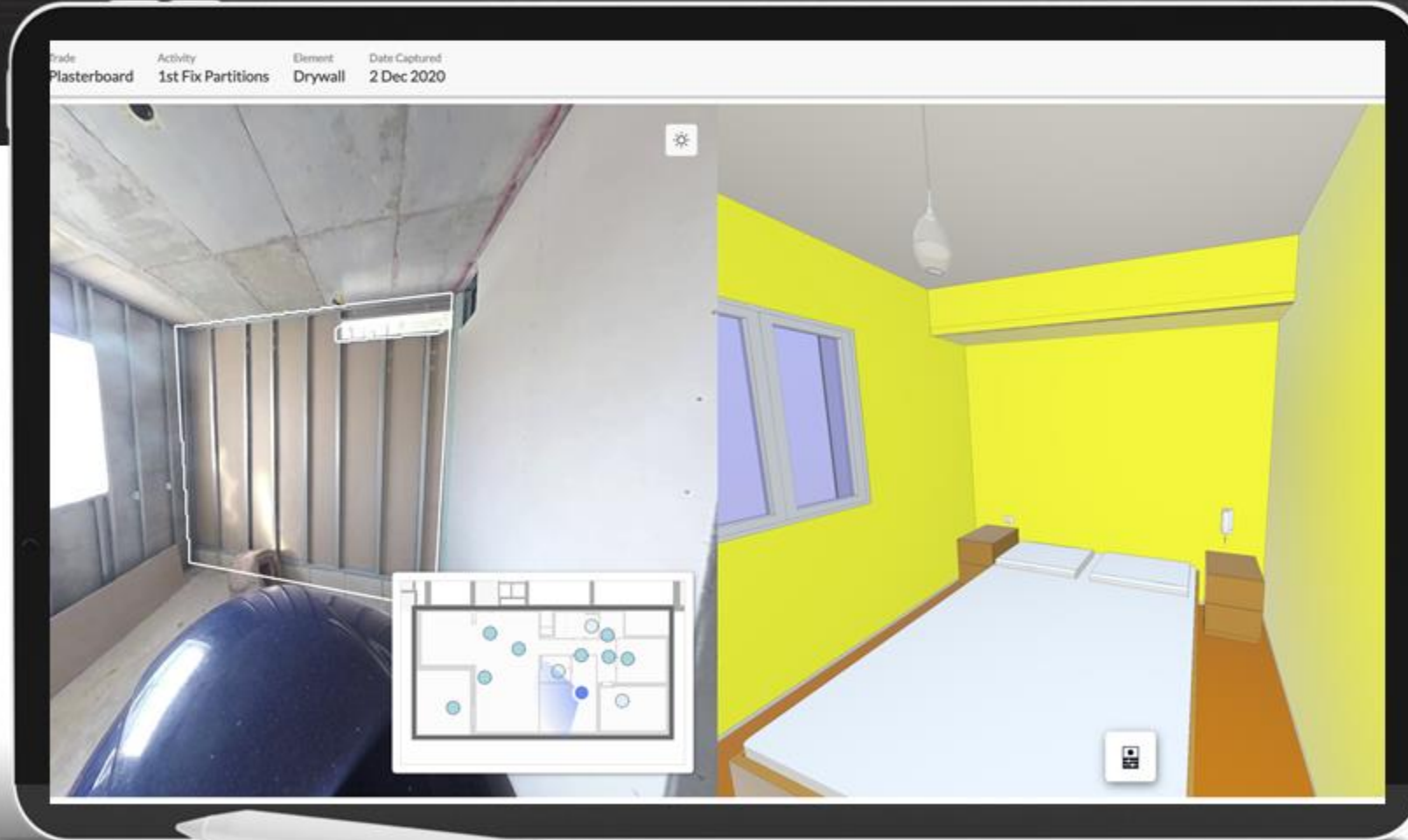
PRODUCT VIDEO



## PROGRESS REPORTING

Accurate and objective progress reports, extracted from the visuals captured on site.

*Single source of truth.*



# PRODUCT HIGHLIGHTS



PRODUCT VIDEO



The screenshot displays the BUILDOTS software interface. The top navigation bar includes 'Dashboard', 'Control', 'Overview', 'Flow', 'Trades', 'Issues', 'Explorer', 'Commercial', and 'Capture'. The main content area is titled 'Flooring' and shows a progress overview with a line graph comparing 'Actual Progress' (green area) and 'Planned Progress' (grey line) from July 3 to January 15. A tooltip for '14 Jun 2021' shows 'Actual progress 27%' and 'Planned 38%'. Below the graph, a 'Work Areas' table lists 'Available (16)', 'Currently at Work (2)', and 'Done (73)' items for 'Waterproofing' and 'Flooring'.

Progress	Work Areas	Errors	Loose Ends
Actual: 32%	Currently at Work: 2 apt	Open / Closed: 0 / 0	Current: 5
Planned: 41%	Available: 16 apt	Avg Time to Close: N/A	Out of Date Elements: 2%

Available (16)	Currently at Work (2)	Done (73)
Waterproofing: 4	Waterproofing: 1	Waterproofing: 41
Flooring: 12	Flooring: 1	Flooring: 30

## SUBCONTRACTOR PERFORMANCE ANALYSIS

Accurate progress, performance and efficiency analysis for the different subcontractors.

*Make the most out of every subcontractor.*



# PRODUCT HIGHLIGHTS



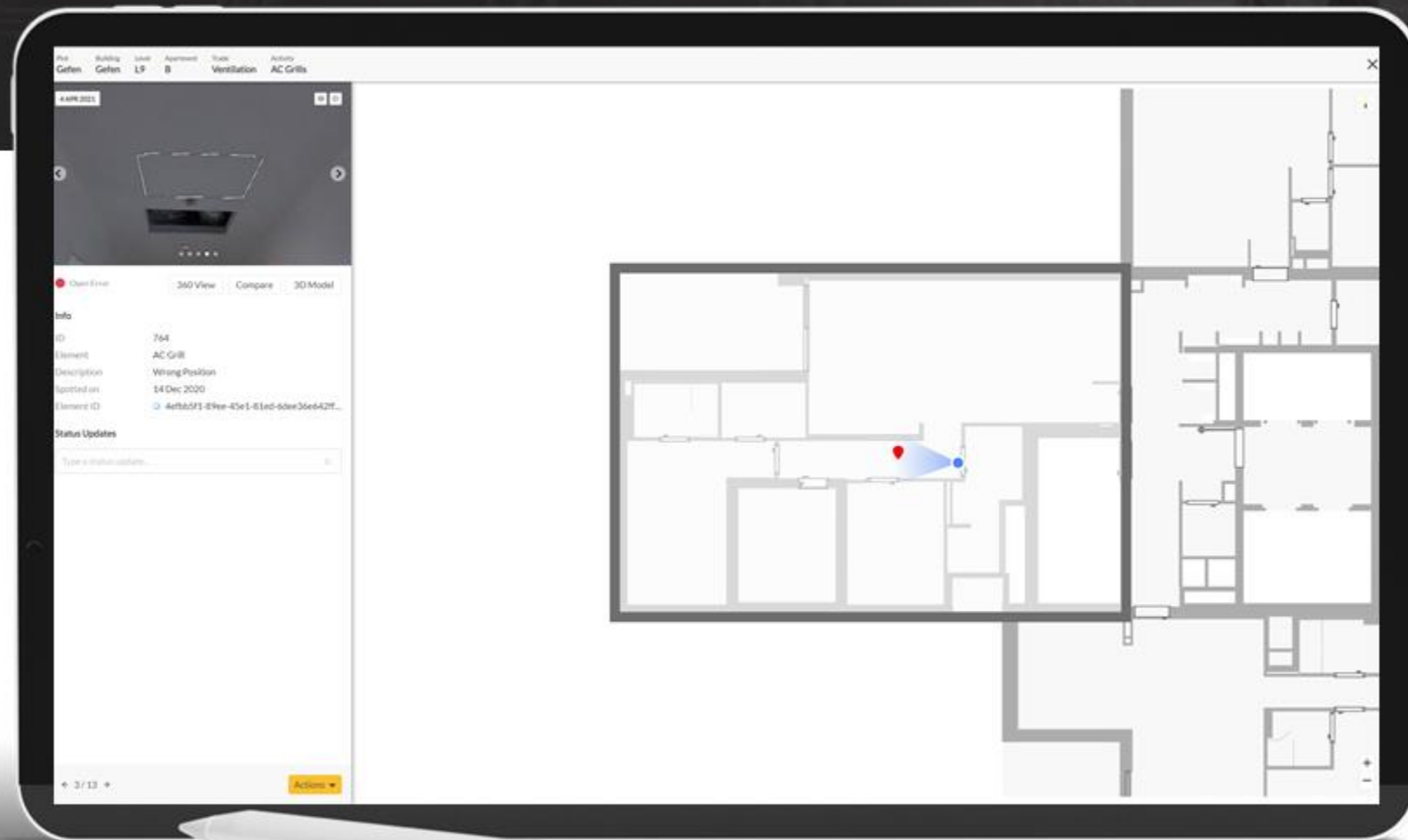
PRODUCT VIDEO



## EARLY DETECTION OF ISSUES

Early warnings for discrepancies vs. design or schedule.

*Act early, pay less.*



# WHY BIM?

PRODUCT VIDEO



- **Design for production**, for the first time
- Enabling real coordination, and consistency
- You can only track what you can predict

# USE CASE EXAMPLES

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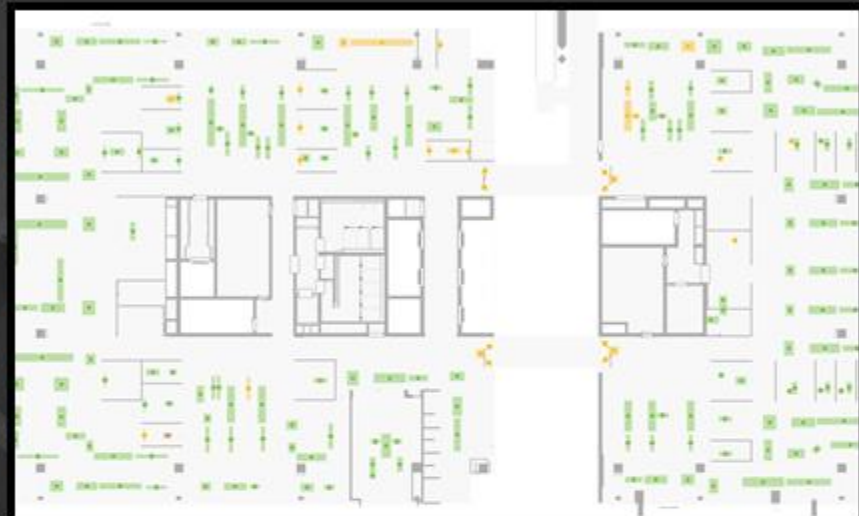
# PROGRESS CONTROLS – SURFACING THE GAP

- OVER 50K SQM COMPLEX PROJECT
- EXCEPTIONAL EFFORT PUT INTO PROGRESS TRACKING
- DROPLINING AND RESCHEDULING EVERY TWO MONTHS

Resource Description	At Completion QTY - P6 (Adjusted)	Unit Manhour	Total Manhour	Total Manhour (adjusted)	Quantity Plan To Date	Quantity Actual To Date
Tray	42,550	0.430	19,995	18,297	40,372	40,372

# PROGRESS CONTROLS – SURFACING THE GAP

- **BUILDOTS JOINS THE PROJECT**
- **3% GAP IDENTIFIED**
- **GAP ANALYSIS:**
  - **IN TOTAL – 35,000 HOUR GAP**
  - **LARGEST SINGLE CONTRIBUTOR – 800 HOURS**
- **IMPOSSIBLE TO KEEP TRACK OF MANUALLY**



# PROCESS CONTROL – AVOIDING BOTTLENECKS

- DRYLINING CONTRACTOR PROBLEMATIC THROUGHPUT
- SCREED FLOOR FOLLOWING PARTITIONING
- MANAGING RESOURCES TO PREVENT A BLOCK
- MAIN AND SUB-CONTRACTOR COLLABORATION ON TOP OF DATA

L1	<p>Screed</p> <p>87% done over 24 days Planned for 2 days</p>
L2	<p>1st Fix Partitions</p> <p>7% done over 4 days Planned for 17 days</p>
L3	<p>1st Fix Partitions</p> <p>10% done over 4 days Planned for 17 days</p>
L4	<p>1st Fix Partitions</p> <p>74% done over 16 days Planned for 40 days</p>
L5	<p>1st Fix Partitions</p> <p>45% done over 1 days Planned for 46 days</p>

# PROJECT CONTROL – SCHEDULE AND RECOVERY

- LEVELS 1-16 ARE BEHIND SCHEDULE, 17-24 ARE AHEAD
- WILL THE PROJECT END ON TIME?
- STATUS, THROUGHPUT, DEPENDENCIES, RESOURCES
- THE ANSWER – IT CAN, BUT AT WHAT COST?





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