

## EFFICIENCY IN ACTION

# Multiplex Integrates Buildots To Adopt Performance-Driven Construction Management



**One Leadenhall**  
PROJECT



**London**  
LOCATION



**40,000**  
SQM



**33**  
FLOORS

## Company Spotlight

For several years, Multiplex has pioneered construction by mandating BIM and digital design coordination, effectively prioritising efficiency, productivity, and innovation. This case study showcases their leap towards a performance-driven construction approach, confronting common industry challenges of overshooting schedules and budgets via the use of Buildots.

## The Opportunity

### MOVING BEYOND TRADITIONAL CONSTRUCTION NORMS

Complex projects like One Leadenhall require diligent management and controls. These ensure subcontractor activities are accurately monitored and incomplete work is minimised. Otherwise, trade meetings swayed by subjective opinions can misrepresent the project's real status. In addition, creating progress reports is a time-consuming task that might not fully capture the extent of delays, blurring the line between occasional setbacks and persistent slowdowns rooted in systemic issues. Finally, site-sourced data is vital for design coordination and timely, adaptive redesigns.



*"Buildots has enabled collaboration with our trades to be based on objective data. This has resulted in a proactive approach in identifying activities that are at risk of delay to enable efficient plans and solutions to be implemented"*

**Andrew Feighery** | Project Director

THE SOLUTION

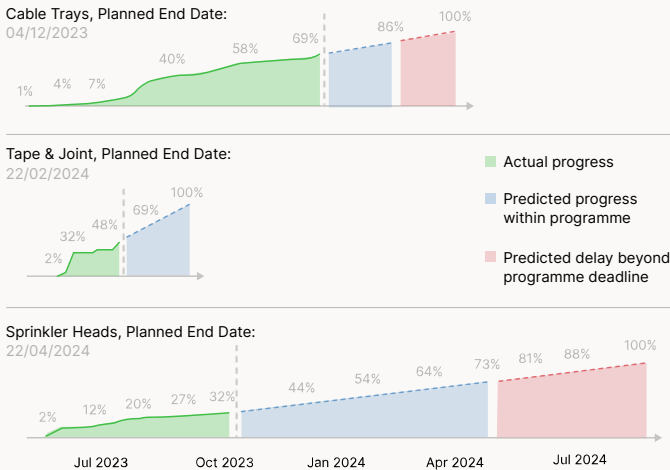
# The Emergence of Performance-Driven Construction Management

Multiplex adopted Buildots' AI-driven project management solution to achieve several key objectives and strategic improvements in their on-site work processes.

## CASE EXAMPLES

### 01 Enhancing Trade Management With Advanced Forecasting

By utilising activity forecasting to identify high risk activities, Multiplex's package managers shifted from a traditional 'wait and respond' approach to a proactive, performance-driven strategy. This shift, powered by Buildots, enabled site teams to pinpoint trades and activities at risk of delay by measuring progress trends against original schedules. Focusing on metrics such as pace and weekly completion rates, rather than lagging indicators like schedules or budget, allowed for early course adjustments and timely interventions with regards to short term planning. Utilised in weekly trade contractor meetings, these insights not only replaced word of mouth but promoted informed decision-making and continuous work process improvement.



Measuring pace and actual on-site progress against original schedules, this report generated in Buildots platform projects future delay risks of three different activities.



Activity Forecasting was an exciting addition to the platform. It allowed me to communicate where the project was heading to my key trades and say to them: "Look at the red section! If we don't do anything about that, we're heading towards a serious delay. What can we do to change course?". Especially in high-rise projects, with many repetitions, that's extremely valuable: you identify problems while you are building one floor and fix the mistake before you continue.

**Sam Martin-Simons** | Package Manager

### 02 Detecting Unfinished Work And Enhancing Accountability

In construction, an overlooked detail or unfinished area can mean the difference between a project that thrives and one that barely survives. By using Buildots, Multiplex effectively tracked incompletions, loose ends, and lagging activities, resolving them before being replicated on consecutive floors or areas and pinpointing their root causes. This method allows managers to uncover discrepancies before moving onto the next task, avoiding expensive, wasteful, and flow-disrupting rework.

Actively monitoring how unfinished work ("loose ends") is trending on the Buildots system, the team observed that certain activities such as beam encasement kept capping at approximately 90% progress, before moving on to the next floor. Thanks to meticulous tracking, this was openly discussed with the trade allowing plans to be made to complete activities.

This level of oversight sent a message that any deviation will be promptly addressed, making sure no incomplete work gets left behind.



Example of a floor where beam encasement capped at approximately 90% completion.

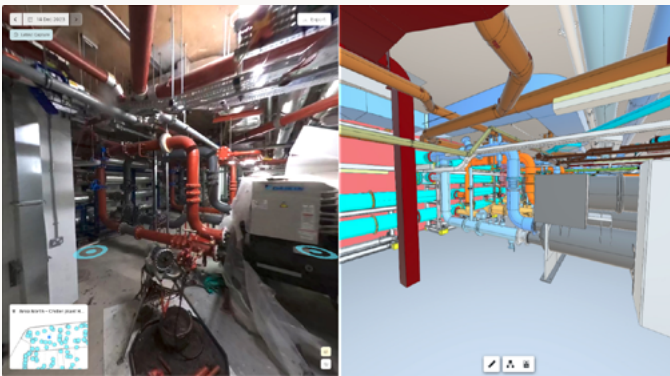
Buildots has really improved my day-to-day as a planner. Its progress-tracking solution has made updating programs not just more streamlined but also more accurate. The weekly updates from Buildots, with objective data, have turned a cumbersome process into an efficient routine, essential for keeping our project timelines on track.

**Sophie Cheung** | Planner



### 03 Ad-Hoc Design Control

As construction and design phases often tend to overlap during the course of large projects like One Leadenhall, BIM Managers benefit from up-to-date information when dynamically coordinating trade design, identifying areas where change cannot be accommodated due to the progress on site. Multiplex's BIM Managers successfully assessed ongoing activities, making sure any changes were informed by the actual status while keeping tight design control as the project progressed further.



Multiplex's BIM Managers use real-time updates to refine models and maintain tight and targeted design control throughout the project.



*"Buildots has enhanced and increased productivity within our design coordination sessions by instantly informing the team on site progress. This has allowed us to understand the implications as a result of a change or ongoing coordination. This has resulted in forming design solutions in a more efficient manner."*

**Daive Gatti** | BIM Manager



### OUTCOMES

## Setting Industry Benchmarks With New Strategies

Multiplex's adoption of Buildots at One Leadenhall marked a strategic shift towards performance-driven construction management. The successful collaboration showcased the potential of what modern technology can provide for a project with regard to accountability, visibility, and productivity gains. Finally, using Buildots not only boosted operational on-site efficiency, but also reinforced Multiplex's innovative edge in the industry.



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## About Buildots

Buildots, an award-winning leader in construction technology, leverages AI and computer vision to upgrade traditional project management methods, introducing a performance-driven approach to managing construction projects. Our platform automatically generates accurate, unbiased data and actionable metrics crucial for strategic decision-making. Enhancing visibility and control for site teams and management alike, Buildots sets new standards for efficiency and productivity, effectively minimizing delays and ensuring projects are completed on time and within budget.

AWARD-WINNING CONSTRUCTION SOFTWARE



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