



Trial Phase **1**
Collida Show Home, BRE

VISILEAN CASE STUDY

CASE STUDY – Willmott Dixon – Collida – Show Home BRE

Authors:

Simon Shaw, Business Improvement Manager, Willmott Dixon
Paramjit Lota, Solution Specialist, **VisiLean**



Background

As part of the Efficiency Mission Willmott Dixon were looking at a software which automates their collaborative process to give them better programme control and increased visibility to deliver a perfect product to their customers.

Collida is a new arm of Willmott Dixon that offers a holistic and modern approach to construction.

The BRE Showhome is the first of its type built using off-site manufacture and a panelised approach whilst also aiming to achieve the Passivhaus standard. This prototype thereby offered a unique challenge and opportunity for Willmott Dixon and Collida.

The BRE Collida Showhome project team were also trialing a paperless approach, therefore it was an ideal opportunity to pilot a digital way of collaborating.



Need



Lots of variability due to the trial of new processes



The need to capture benchmark information for future projects



Lack of understanding & visibility of the process especially design & manufacture



The need to capture repeatable sections of work

Challenges



Offer one location for the team to do all their planning and tracking.



Update in real-time and capture the as built programme



Track & manage issues and the consequences of delays



Be accessed by different disciplines and partners to work collaboratively.



“What I need on site is a simple tool to manage the programme and all the issues that we’re having”

—
Tom Armstrong-Jones - Building Manager – Willmott Dixon

What Worked

It was a continuous learning process for the WD team to implement the tool.



The introduction of VisiLean to the site team was simple, **with continuous support from VisiLean.**



VisiLean was able to offer a smooth transition into the tool to gradually align with WD processes that made the whole experience efficient.



Within a couple of weeks the team had a full plan and were tracking each of the activities whilst learning how to get the most from the tool.



Results

“ In the beginning we were using PowerPoint and Excel to plan and manage the project, which we found difficult to track accurately, transparently and in detail with all people involved. We were spending on average 2+ hours a week consolidating & tracking the information. VisiLean enabled the team to consolidate all the information into a specific location saving those 2+ hours a week. ”

“We wanted to capture and link a lot of information regarding the manufacturing, procurement and production of individual activities and enable a single timeline. We also knew that it would be difficult to teach our Supply Chain Partners to use Asta Powerproject, so we opted for the more user-friendly/streamlined VisiLean software.”

Results



With VisiLean, the weekly, fortnightly, and monthly lookaheads could simply be generated with a click of a button **which most importantly reflected the true 'live' programme.**



The team had a lot of issues with material and plant call offs **Having a system to link the call offs, deliveries and production activities saved a lot of hassle,** especially if an activity was delayed as it meant everything automatically rescheduled to suit.



One of the main things the team wanted was the ability to track issues or constraints to individual activities so that we could identify issues and put actions in place earlier. The activities also have an embedded history log which the team could look back on for lessons learnt purposes. **The team ended up capturing numerous lessons learnt which could be easily identified and accessed.**



The BIM model being linked to the programme aided the team in a more **visual approach to collaboratively plan in their clash detection of trades and monitoring of planned and actual progress.**



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