

Max Fordham: Increased efficiency and improved project outcomes by moving to BIM

Max Fordham, an engineering firm with 175 engineers and over 220 staff spread out across five offices in the UK, has experienced transformative changes since their move to 3D BIM workflows: measurably increased productivity, efficiency of project deliverables, and better talent retention.

Six years ago the team at Max Fordham adopted 3D BIM workflows, along with the development of a company-wide Revit family library, project template and Revit standards. Since then, the team has saved approximately 14,000 hours of labor, cutting £250-300k in costs and yielding a 23% increase in productivity per engineer.

The results



14,000 hours of labor saved



£250-300k cost savings



23% increase in productivity per engineer



Revit has... made a very complex project more manageable and efficient.

Kathryn Donald, Digital Design Leader at Max Fordham



How they did it Max Fordham’s methodology

Integrated Workflows Boosting design team innovation

New templates, libraries, and other tools in Revit’s open platform enabled the engineering team to streamline workflows and address specific challenges. Templates follow strict naming conventions, making them easier to find and use, and views are designed to focus in on a specific system, using colour to highlight relevant structures in the interest of clash avoidance.

“We want our engineers to spend their time engaged in creative design, MEP engineering and problem solving. Our new tools and templates ensure our engineers can focus on what they are good at by avoiding repetitive drafting activities and drawing administration.”

Mark Palmer, Senior Partner at Max Fordham

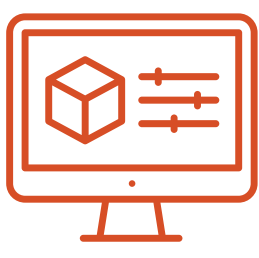
Satisfied Employees Achieving better talent retention

With Revit, engineers follow a streamlined design review workflow, which is transparent to all and gives a clear audit trail. Engineers are less frustrated because they can work more easily, and administrative and monotonous tasks are reduced, allowing engineers to focus on designs and deliver better outcomes to clients.

The bottom line Key benefits of integrated engineering for Max Fordham



Streamlined workflows for boosted innovation



Reduced risk and project complexity



Satisfied employees = better talent retention

“We are now beginning to see improvements in efficiency and profitability on projects, and we expect to see this increase even more as legacy projects in 2D CAD are replaced by those in BIM.”

Kathryn Donald, Digital Design Leader at Max Fordham

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