

Eian Stedford

CAD & BIM Manager Vinci Construction (Taylor Woodrow Division) Crossrail - West Stations



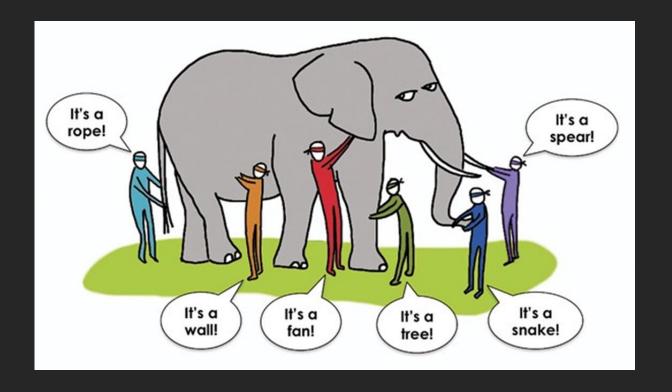


BIM @ Crossrail West Stations



So what's it all about....

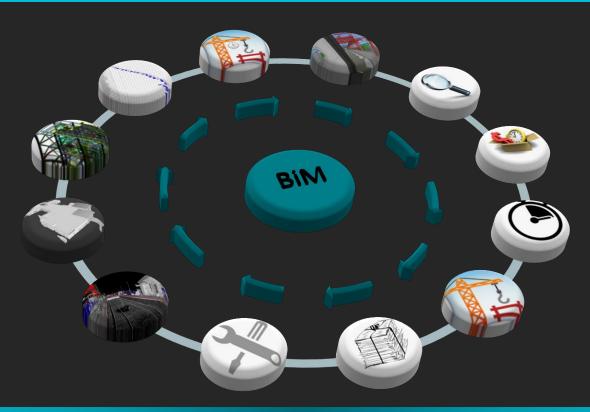
BIM @ Crossrail West Stations



BIM @ Crossrail West Stations

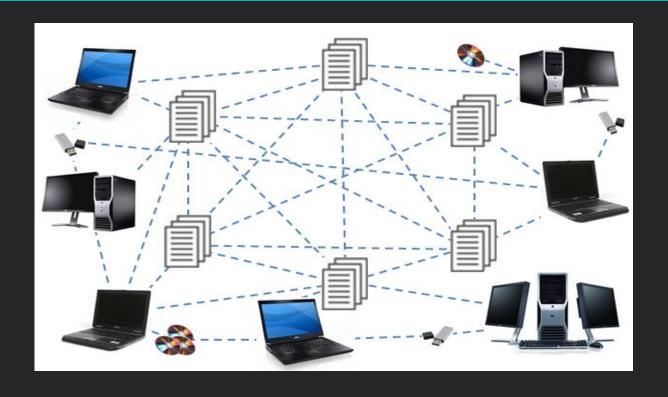
Crossrail defines BIM as "the process of generating, building and managing data through the life of the project by using modelbased technologies linked to a database of project information. BIM incorporates data – physical, environmental, commercial – on every element"

Characteristics of BiM

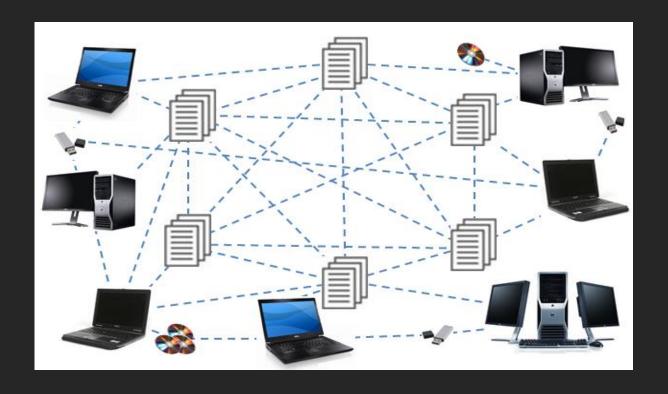


Many Hands Make Light Work

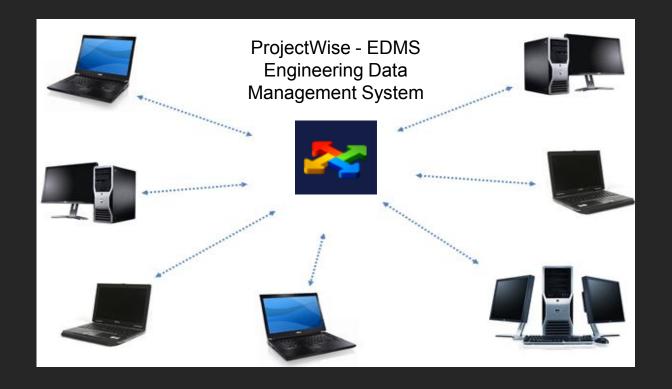
COMPLÈTEMENT DÉSORDONNÉ



COMPLETELY DISORGANIZED



Collaboration & Coordination in Action



Project Milestones

Design Development

- S1 Multidisciplinary Design Review (MDR)
- S2 Interdisciplinary Design Check Issue (IDCi)
- S2 Interdisciplinary Design Check (IDC)
- S3 Form B Submission
- A Approved for Construction (AFC)
- AB As Built Submission

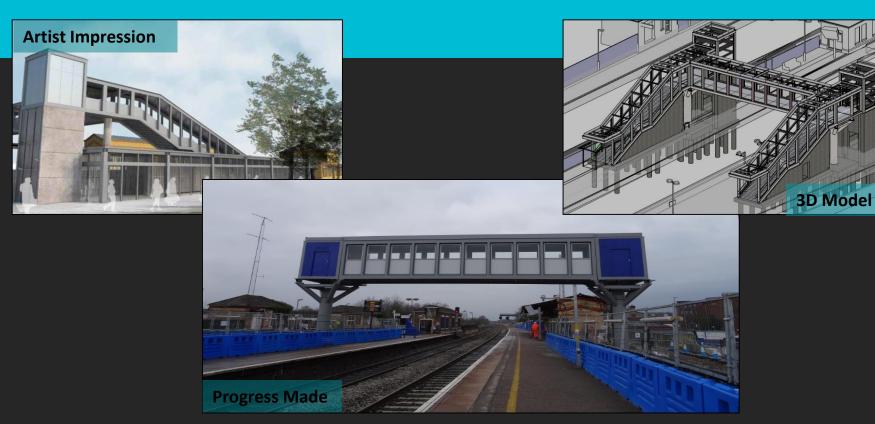
West Drayton - Before



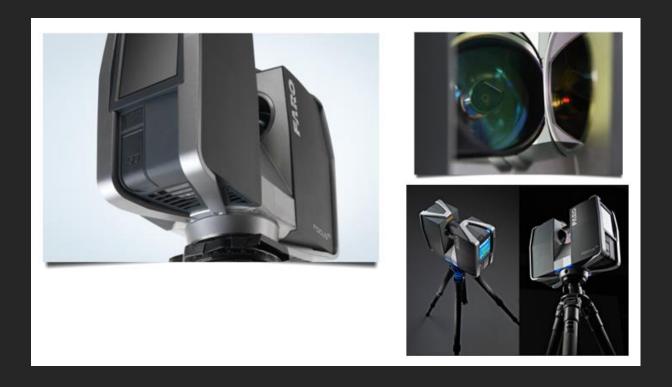
Architectural - West Drayton - After



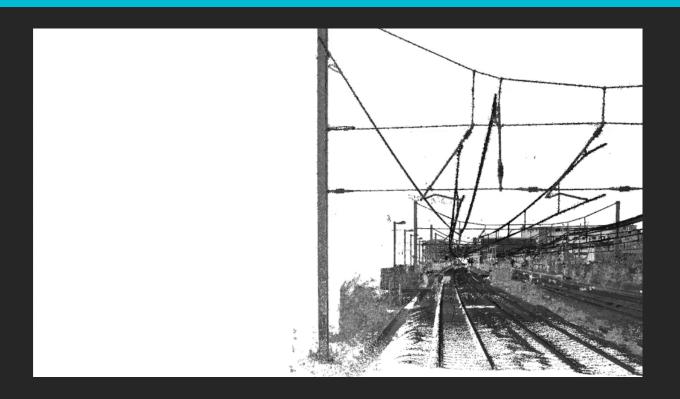
West Drayton Footbridge



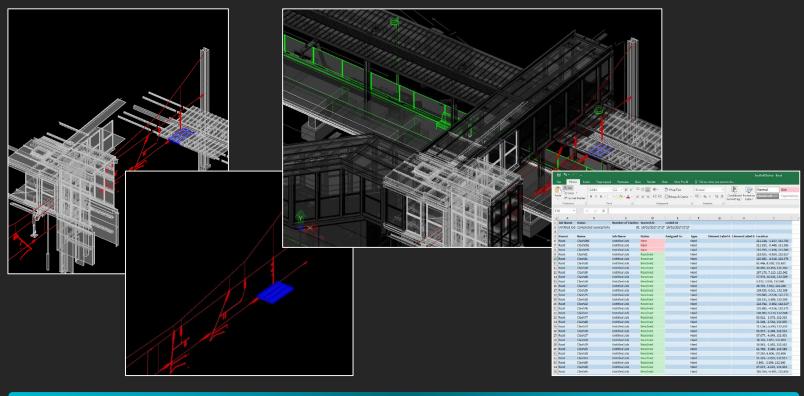
Innovation from the start



The Journey.....

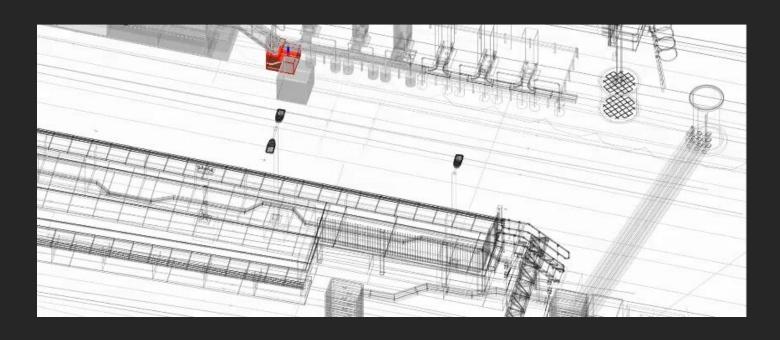


The Story so far....Clash Detection

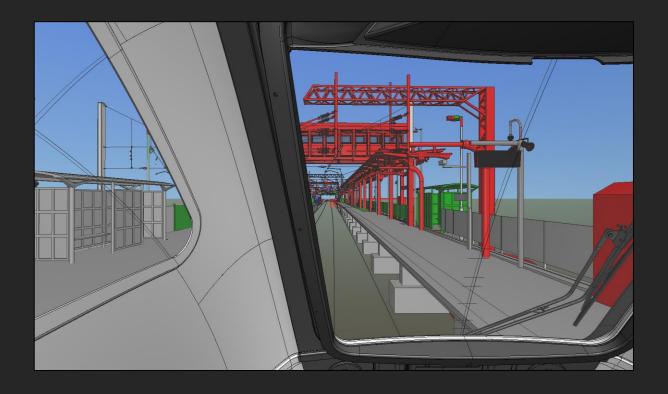


Coordination in Action

The Story so far....Clash Detection



The Story so far....Signal Sightline Validation



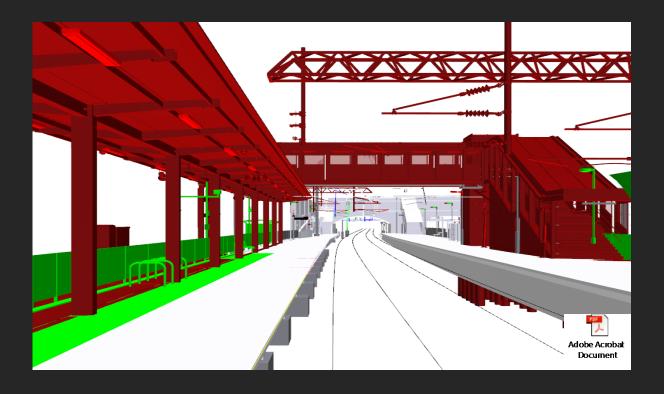
The Story so far....Crossrail DOO



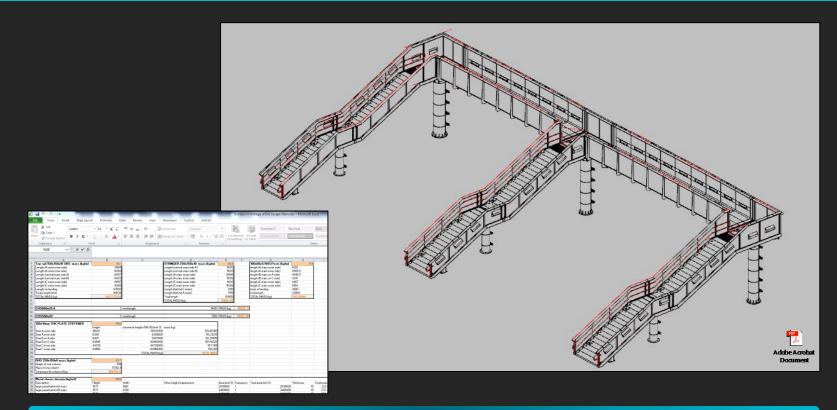




The Story so far....Federated 3D PDF

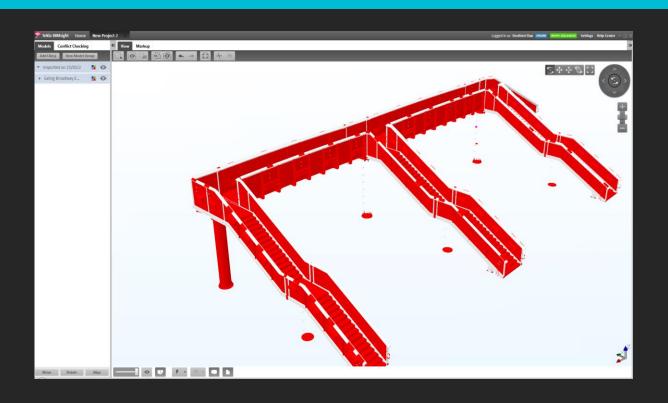


The Story so far....Quantity Analysis

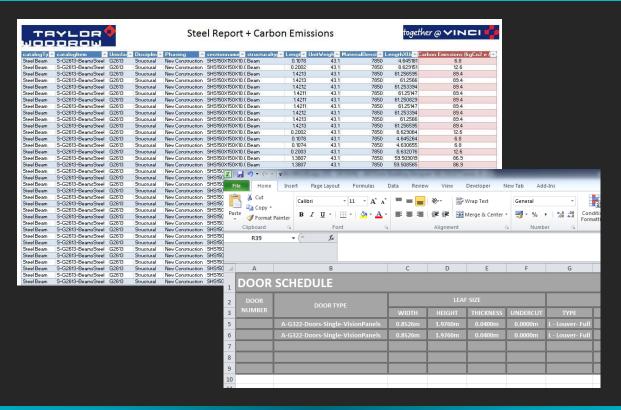


Utilisation of The 3D PDF

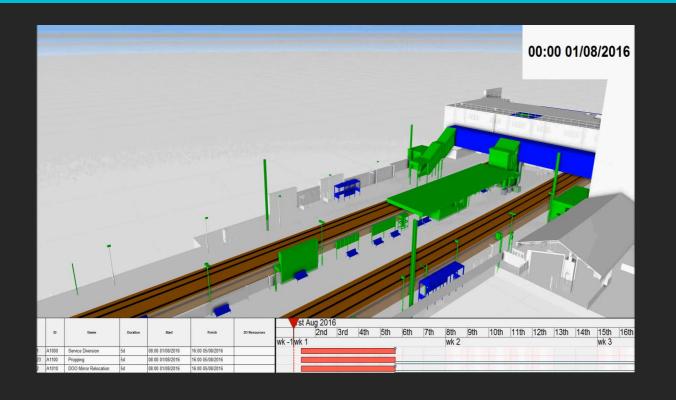
The Story so far....Data Exchange



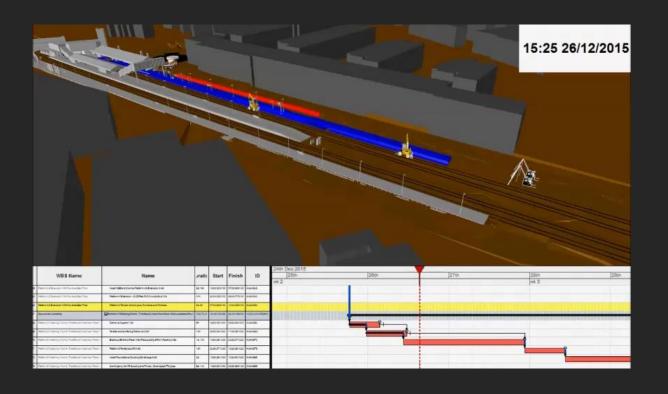
The Story so far....Information extraction



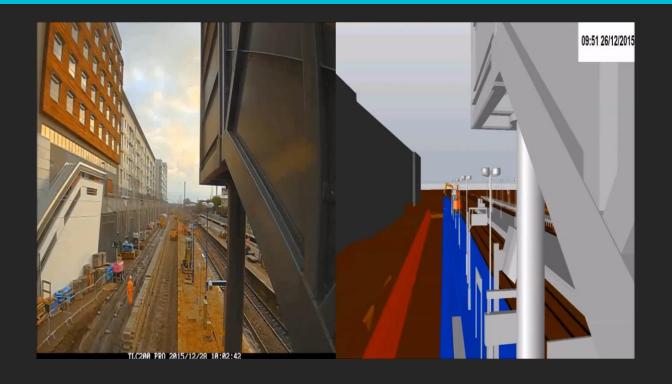
The Story so far.. Construction Sequencing & Planning



Construction Sequencing & Planning



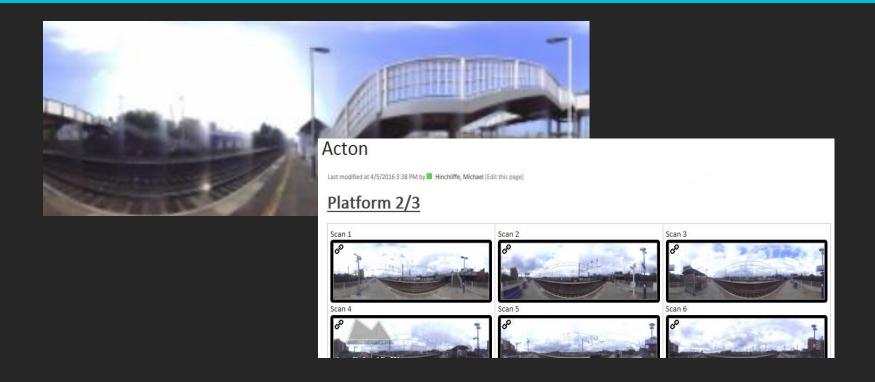
The Story so far.... 4D Planning - Time-lapse



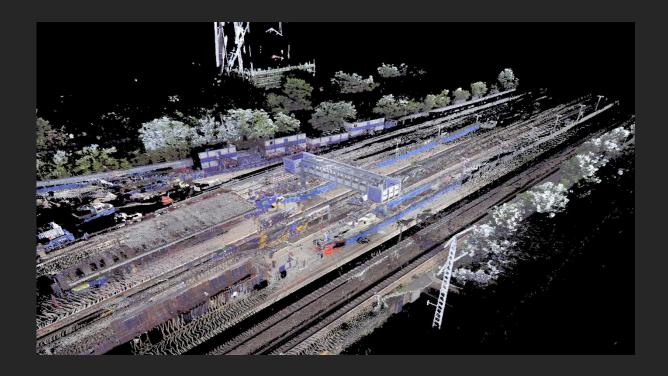
SCENE 3D View – Laser Scan



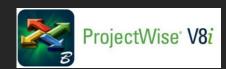
Panoramic View Online

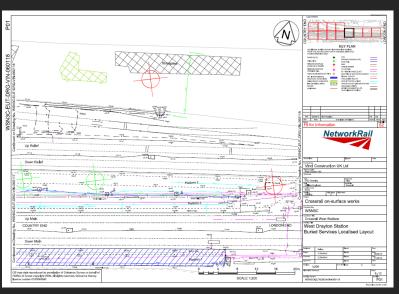


Going forward.....3D Model Handback from Scan



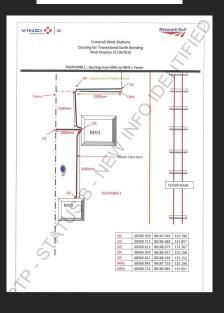
Going forward...... Buried Service Information



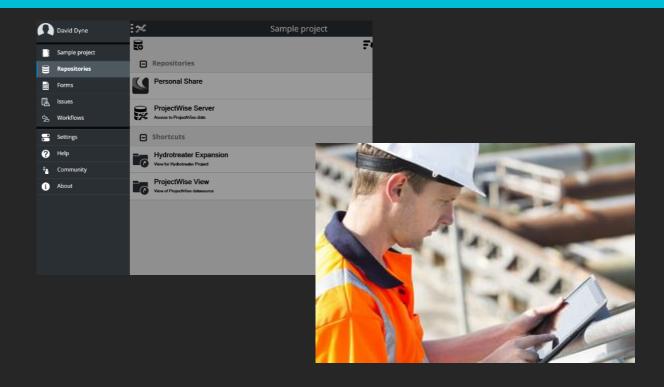








Going forward......CDE wherever you are



Going forward...... Customer Engagement





Thank You

Questions?



