Building Technology Enabled Design and Construction Capability

Better Information Management (BIM)

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Overview

Putting BIM into Context

What is BIM

Why is it important

How to build a model

BIM in action

Lessons

Putting BIM into context for us

Historical

- the domain of specialist building providers
- focussed on vertical construction



Putting BIM into context

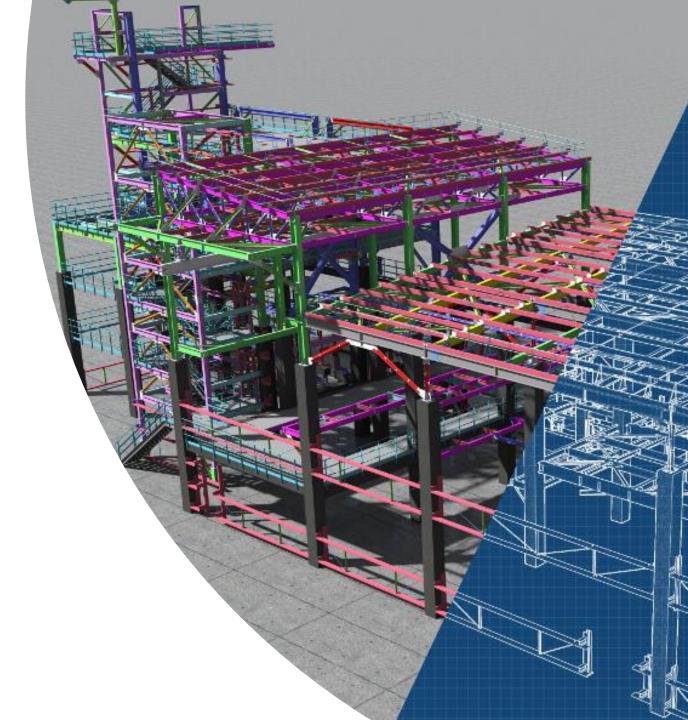
Today – Data Economy

- Data has untapped value
- now needed & used by value chain
- across the spectrum not just vertical

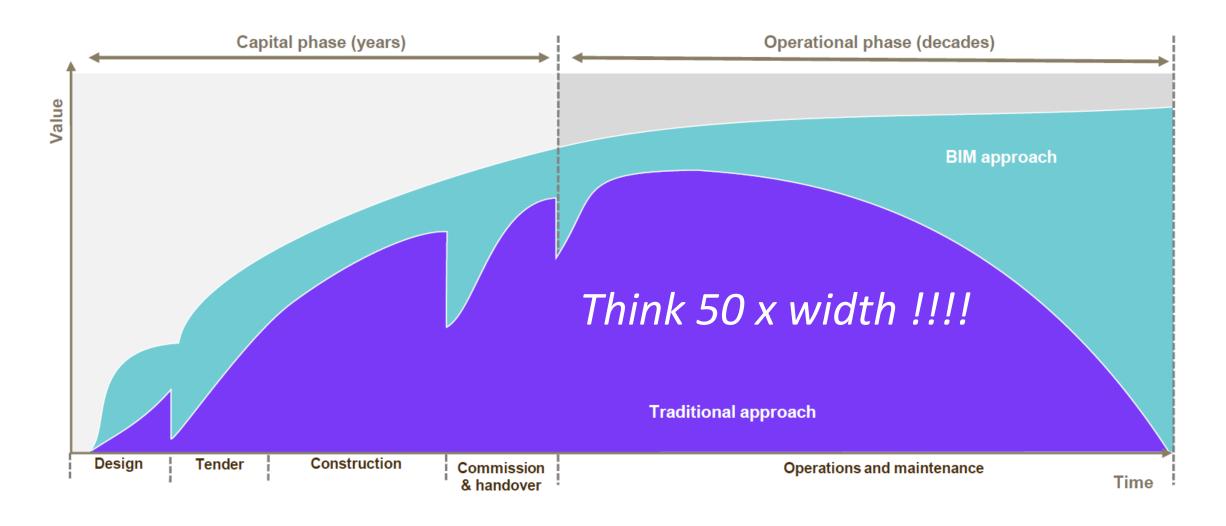
What is BIM

"Captured project data available in a consistent and accessible format"

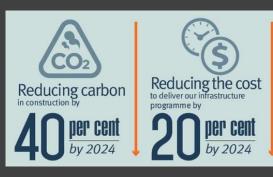
- More than a 3D Model
- A tool for collaborative behaviour
- Accessible information library
- A repository to drive innovation



Why is it important? – we discard information



...Why is it important?









We are challenged to deliver and manage assets more efficiently



We need to Improve Safety



We need to reduce our carbon footprint



We must provide a platform for future innovation



Ongoing maintenance – ability to confirm asset in the field to put in place maintenance regimes and renewals



How to build a Model...



Define

Embed

Perform





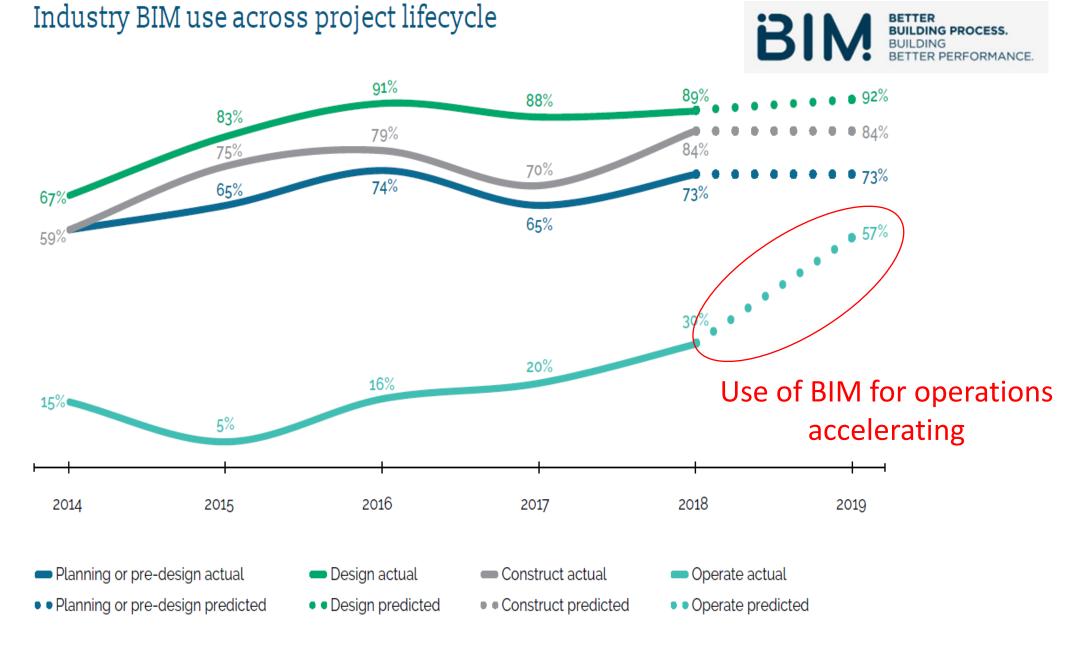




Discovery
Engagement
Information
Workflow



Proof of Concept Inform roll-out deployment Business Adoption
Quality Assurance
Proactive Supervision



Source: NZ BIM Benchmark Survey 2018 - BIM Acceleration Committee

International Insights

The world is ahead — lets learn from them....

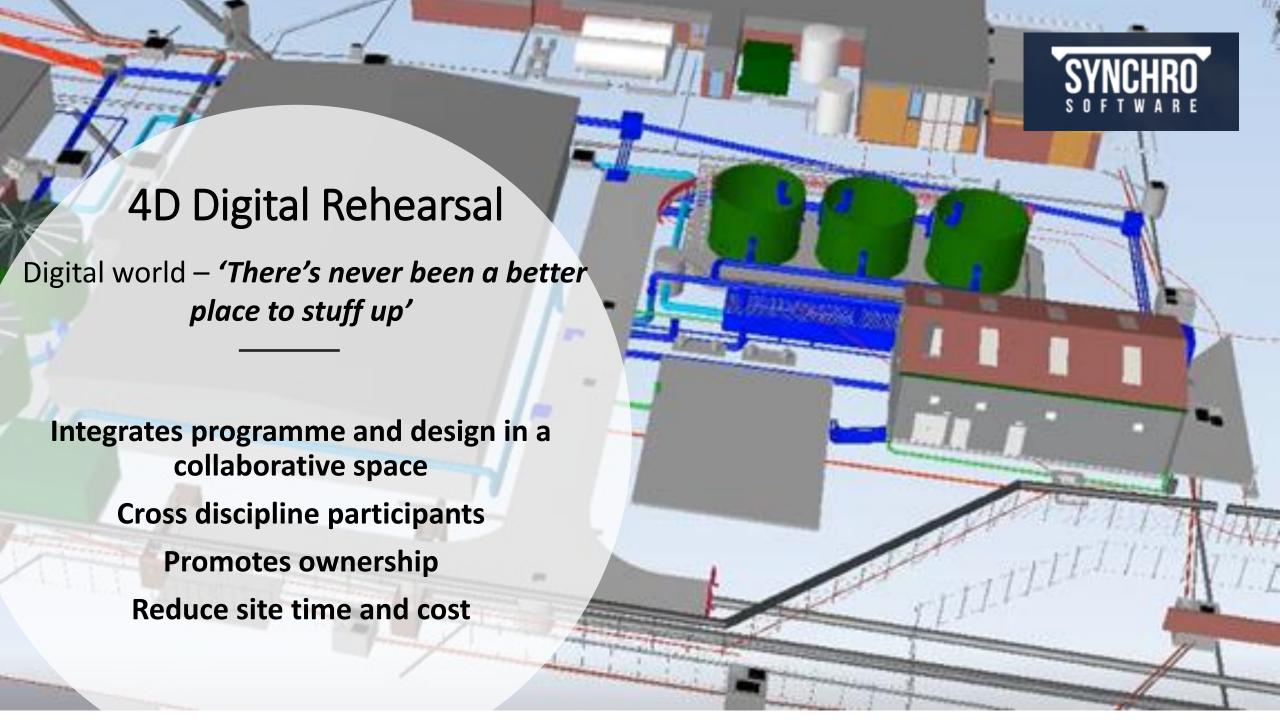


- nothing new here! just to utilities
- It's a process and structure challenge
- 'Clients' can work a LEAN approach
- Everyone has difficulty articulating the value
- Consider security and commercial issues
- Common Data Environment analytics





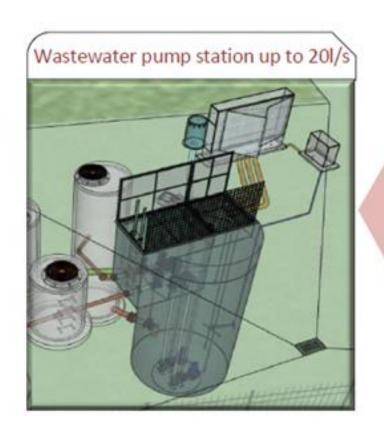


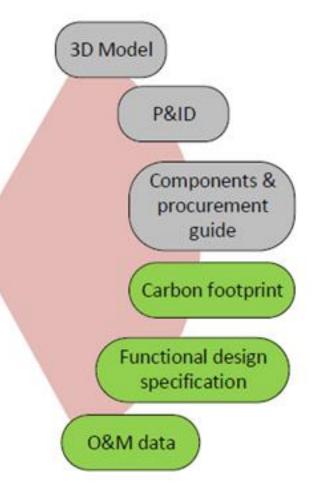




Product Based Design

Productionise delivery Product Library







Dalton Piercy WTP



Reduction in site time
Simpler scope split and assembly
Greater delivery certainty



- United Front full business support
- Engage early, it's naive to just 'turn it on'
- Establish 'Ownership' and an exit strategy...
- Collaboration it's about 'behaviour'
- Keep it lean beware of BIG DATA
- Engage the supply chain...
- Join the conversation

Better Information Management

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