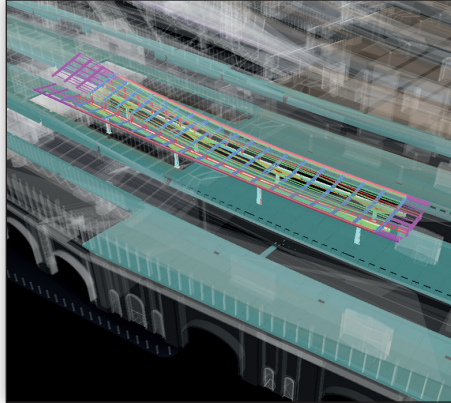
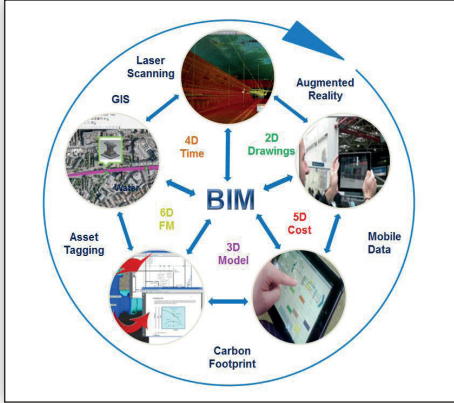


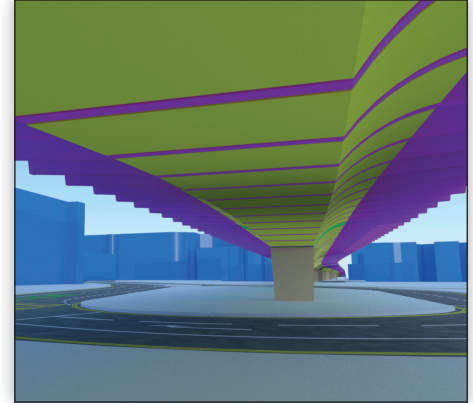
CAN BIM BE MORE INNOVATIVE?



» SINGLE SOURCE OF THE TRUTH



London Bridge Station Redevelopment



Hammersmith Flyover

'The process of generating and managing data about the asset during its lifecycle. It enables management & maintenance of an asset with data that can be used to make intelligent decisions about future operations and change'

DESCRIPTION OF WHAT IT IS

BIM is a process involving generation and management of Information. Is a collaborative way of working, supported by innovative technologies resulting in more efficient methods of designing, building, operating and maintaining assets.

ADDRESSING THE KEY INDUSTRY CHALLENGES

Beyond the 3D, 4D and 5D Costain's challenge is to push the boundaries to create, link and integrate data to address the entire asset life cycle from early feasibility studies, design, construction, operation & maintenance to eventual demolition.

Getting the right information to the right people at the right time and in the right format, by linking a 3D model to a database of associated attributes to enable whole asset lifecycle management.

The biggest challenges are Interoperability, collaboration and teaming communication.

CUSTOMER BENEFITS

- Enable safer, greener, faster and leaner project delivery
- Promote greater transparency, communication and collaboration between stakeholders
- Pre-construction benefits: concept, feasibility and design enhanced; increased project performance analysis and quality; Improved collaboration using integrated project delivery
- Construction benefits: health, safety and environment risk mitigation; lean construction practices; construction sequencing programme validation and optimisation; improved management of workspace possessions and interfaces; improved temporary works and logistics; increased sustainability; clash detections

- Post-construction benefits: Improved commissioning and handover facility information; optimised facility management and maintenance; integration with facility operation and management systems
- Intelligent database of information in an easy and intuitive form to use
- Reduce financial risk
- Improved quality throughout asset lifecycle
- Common language easier to understand
- Better quality asset + better quality data for operation & maintenance = better information to enable a customer to make decisions

CONTACT

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ENGINEERING TOMORROW...TODAY

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