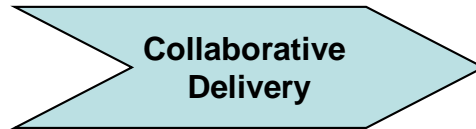


- Collaborative early Engagement
- Commit to Concepts –
 - Design for DFMA
 - Design for Off Site
- Learn how to PM New Concepts



Intelligent
Client

- Know what good looks like (outcomes) and how it supports your business
- Understand the dynamics and complications of the product you wish to procure
- Robust business processes
- Realistic cost, good understanding of the cost base
- Develop a comprehensive procurement strategy (standard)
- Robust and realistic timescale/gateways

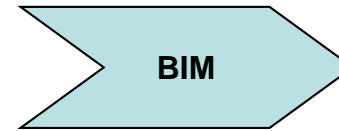


- Open communication
- Transparency around the Working up of the costs for the project (no hidden surprises)
- Incentivisation, sharing any rewards
- Sharing project risks ~ who is best placed to manage the risk
- Integrated supply chain management, involving SMEs



Early Supply Chain
Engagement

- Early engagement of the contractor
- Utilises contractors' unique understanding of construction processes and buildability
- Optimises the design and delivery process
- Value engineering, (stakeholder) aligning design with user needs
- Drives efficiencies by introducing real innovation
- Benefits of an integrated supply chain
- Leads to shorter timescales



- MoJ buy data through BIM to improve their business processes (approval process)
- Common data environment
 - PAS1192 (Standard for digital information exchange)
 - MoJ data server
 - One version of the truth
- Effective engagement with stakeholders (3D)
- Allows testing of end users perceptions
- Speed of delivery ~ Avoids the need for rework
- Cost savings through clash detection



- Engages the operator and FM at the early stages of design
- Aligns Design, construction and operations
- Defines roles during the project lifecycle
- Defines and measures outcomes around operational and business needs.
- Ensures approach meets business needs
- Allows you to keep track of the outcomes through the whole journey
- Allows you assess the actual vs. Planned performance



- Positive pressure to maintain continued improvement
- Time to optimise performance, fine tuning in winter and summer to optimise performance
- Lessons learnt through project delivery
- Refinement of standard components
- Optimise procurement
- Constructive feed back from operators
- Continued improvement around efficiency saving for both capital and operational costs