

WHO will manage the BIM process?

Is the purpose of BIM defined?

HOW will BIM be implemented?

WHEN will BIM start?

People = Leadership & Collaboration

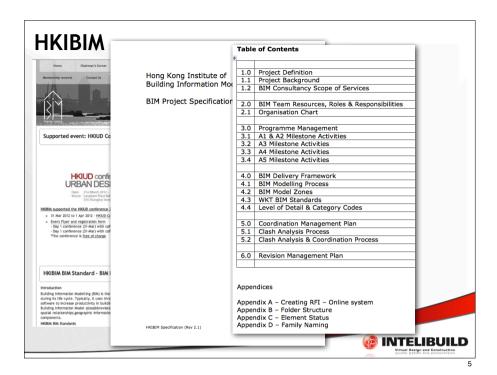
Process = Project Execution Planning

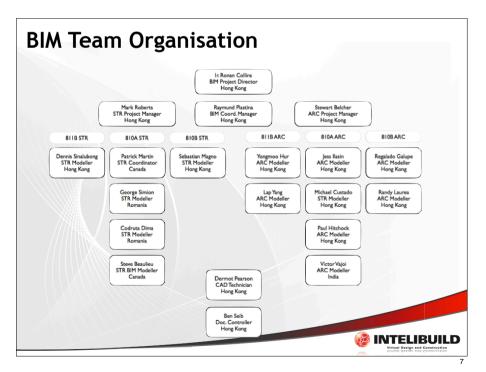
Power = BIM software & hardware

BIM Project Manager

- Plan, develop and manage the BIM Standard.
- Provide quality control and checking procedures.
- Train project staff
- Provide guidance to the project team on how to review the models in order to resolve clashes etc,
- Organize workshops to explain findings to the designers and to assist them in understanding design issues.
- Provide technical support to the project staff



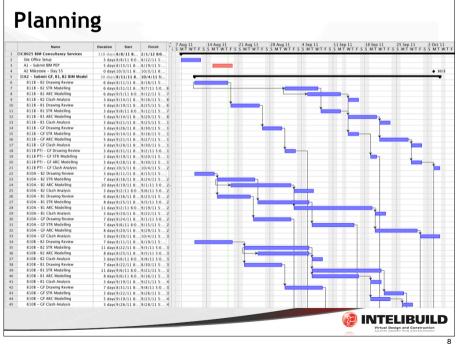


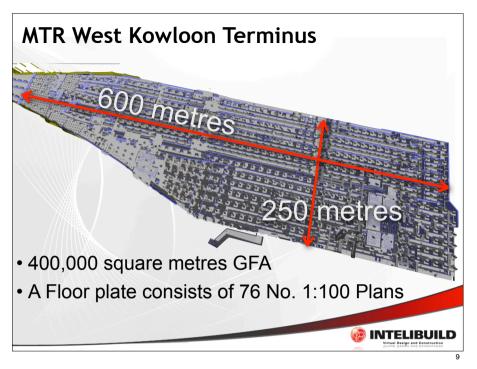


BIM - Level of Detail

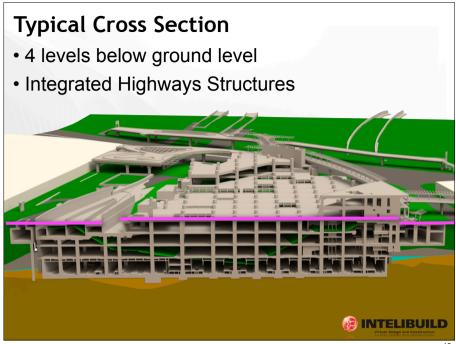
- Design BIM vs Construction BIM
- Importance of BIM Specification
- Quantity Takeoff Accuracy
- Clash Analysis Process Depends on LoD
- Coordination & Documentation
- Production of Fabrication Drawings
- Site Installation Management



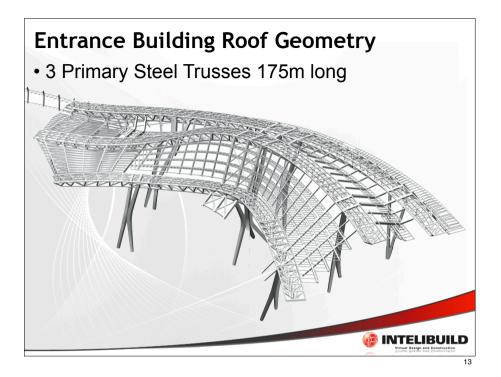


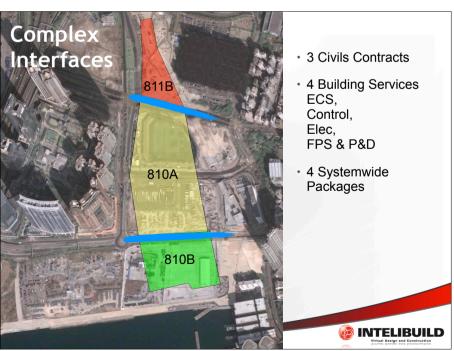










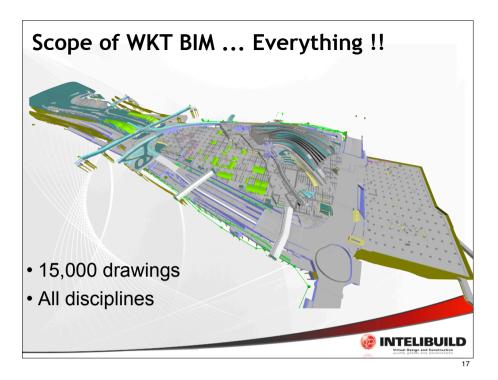


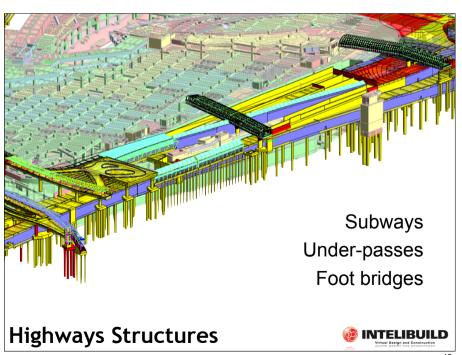
Steel & Concrete interface Mega Columns from 3 different levels Roof supported by concrete Arch

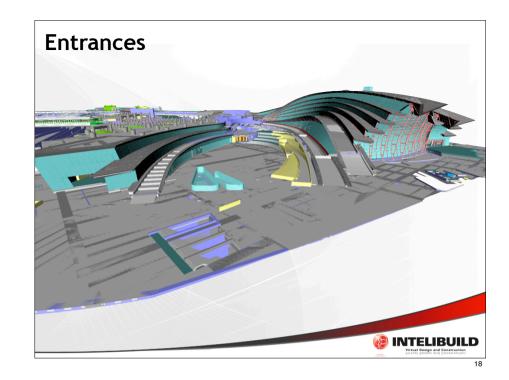
Client Implementation of BIM by MTR

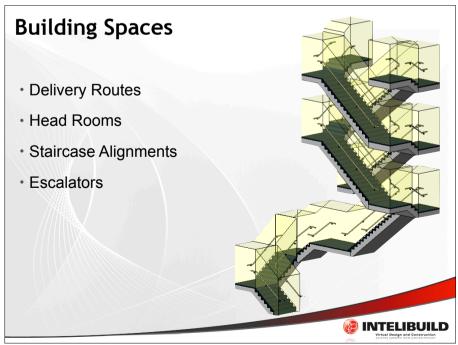
- · de-risk the design and construction of WKT
- provide a collaboration and communication tool for MTR staff, designers, contractors and project partners
- identify & resolve missing, erroneous, inadequate design information

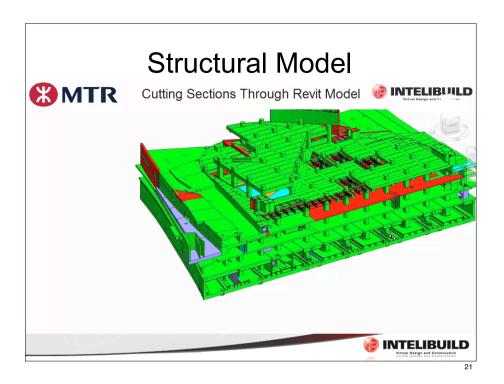


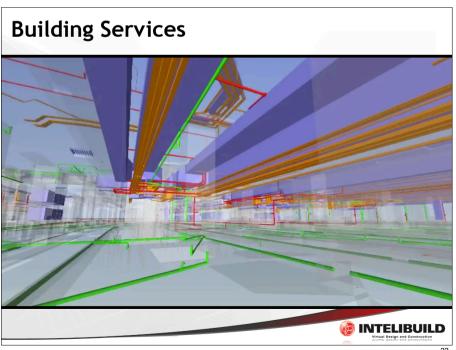


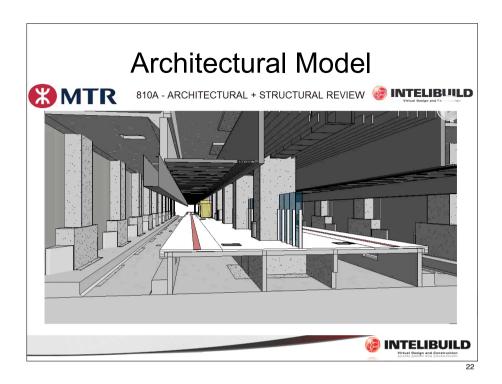








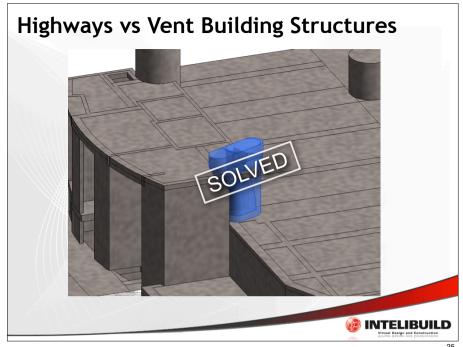




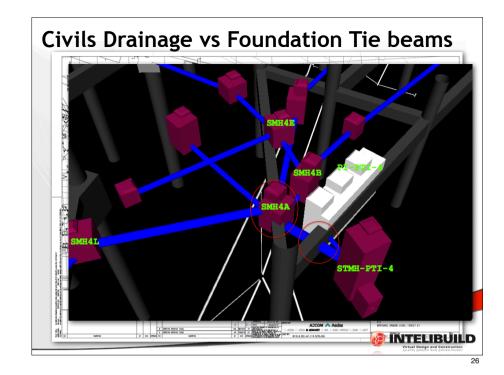
2D to 3D - BIM Review Process

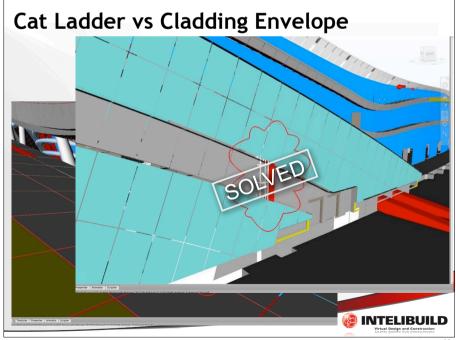
- Reviewed 15,000 drawings
- Completed detailed clash analyses
- · Identified over 2,500 RFI's with nearly 8,000 issues raised



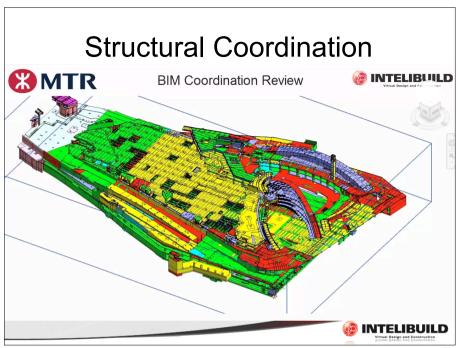


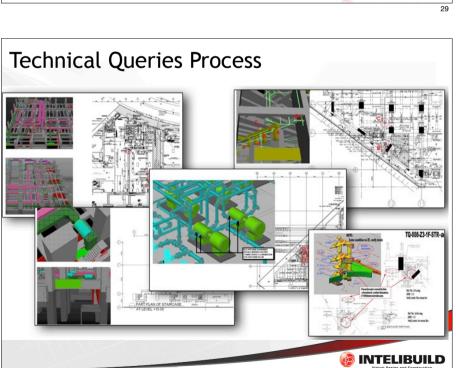


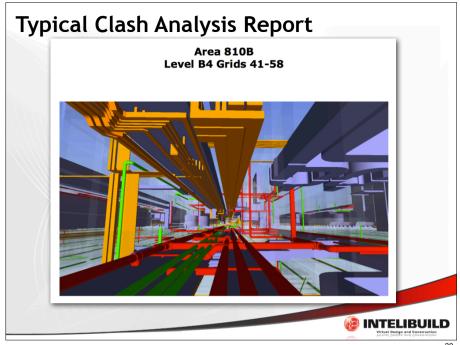


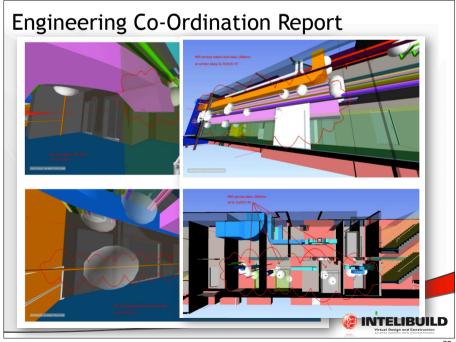


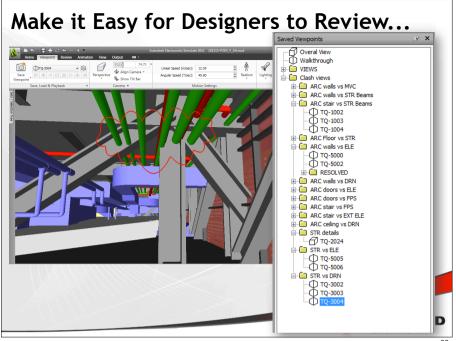
- ;

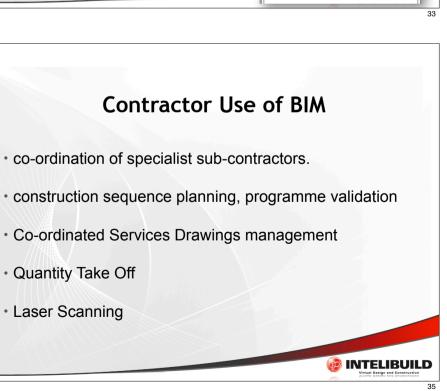






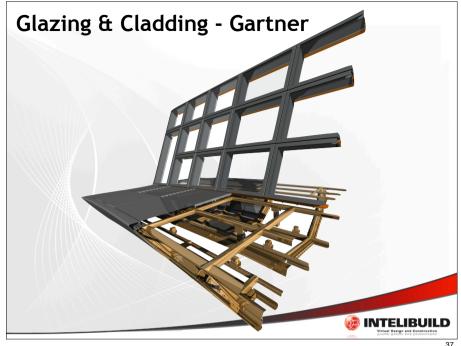


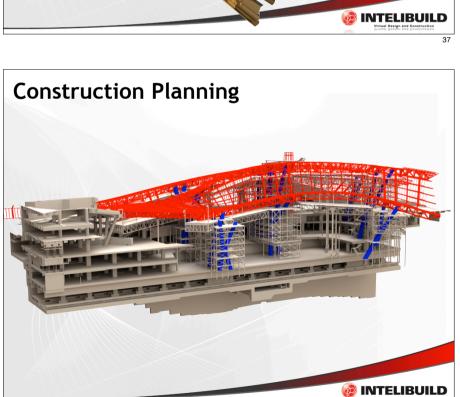


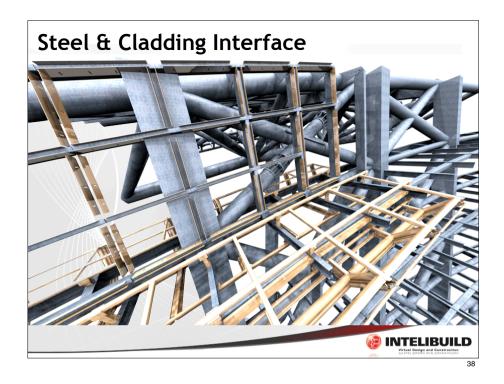


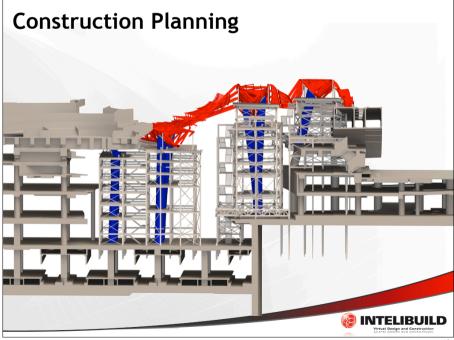


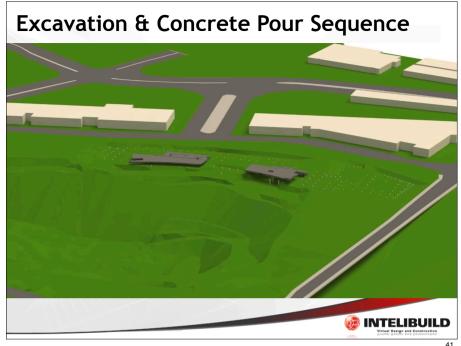


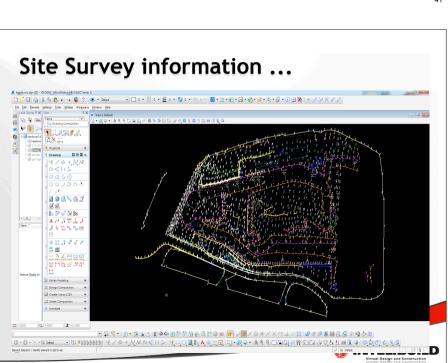


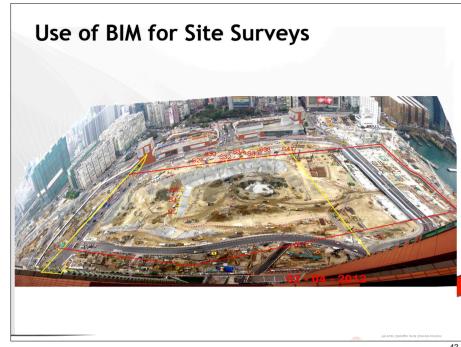












A manufacture 10 - 10 continue 10 continue

-

