

BIM & The Contractor

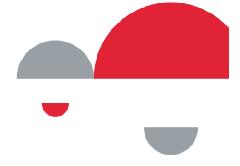
Setting the Transformation Right for Productivity

Edmund Leong, Manager (BIM)

BuildSmart Conference 2014

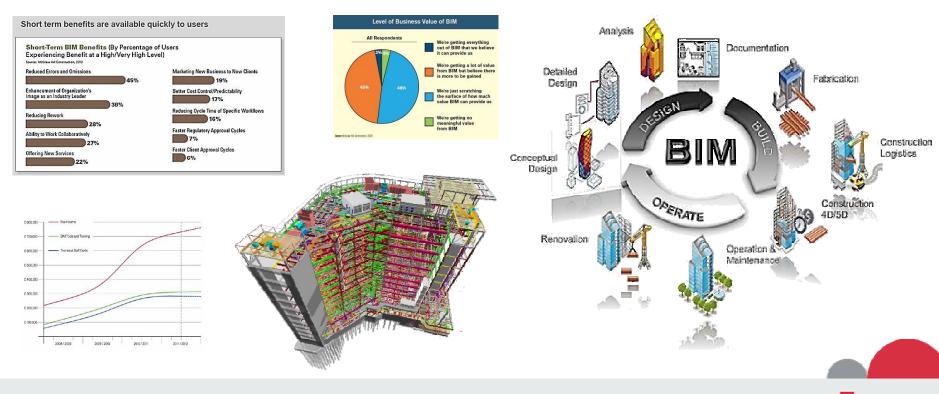
@Singapore Construction Productivity Week

15-Oct-2014





BIM Benefits



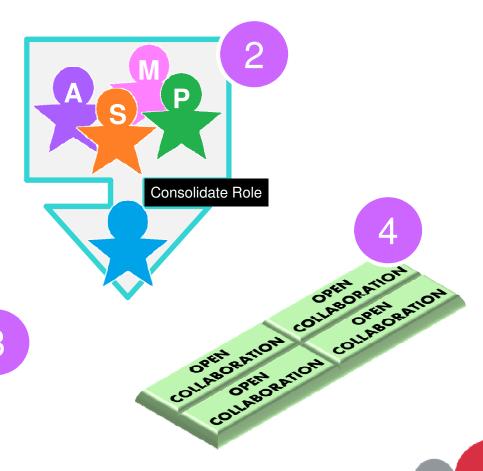


















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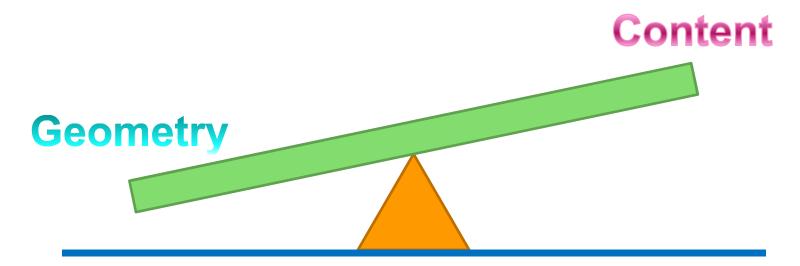


INFORMATION





Making a Balance in Modeling



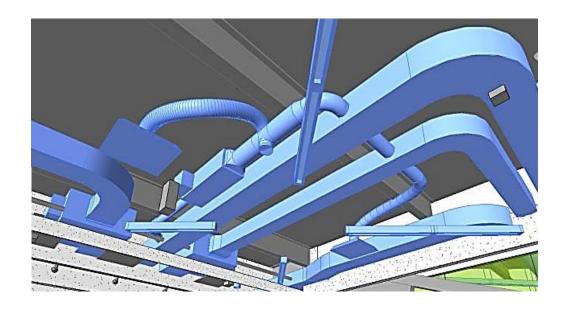




Geometry or Content?





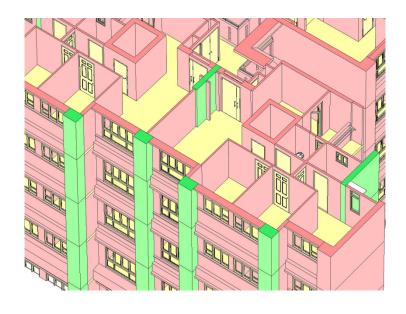


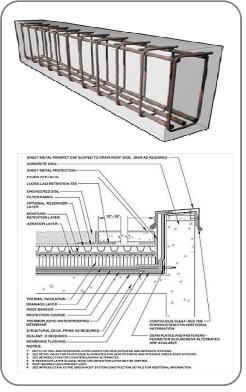






Geometry or Content?





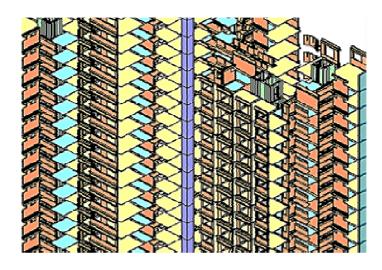
3C35 1BH102 K1F-3 4A1-PB(E)-1A





Geometry or Content?

- Information → Derived or Inferred
- Sufficient information → Better Productivity



K1F-2		Precast Concrete	0.70 m ³	1.762053
K1F-2	3A-PB(E)-1A	Precast Concrete	0.72 m³	1.806554
K1F-2	4A1-PB(E)-1A	Precast Concrete	0.82 m³	2.05343
K1F-2		Precast Concrete	0.88 m³	2.191171
К1Г-2		Precast Concrete	0.95 m³	2.376593
K1F-2: 25	7			
K1F-3		Precast Concrete	1.37 m ²	3.428079
K1F-3: 49				
K1F-4		Precast Concrete	1.51 m³	3.765581
K1F-4	4A1-PB(E)-1A	Precast Concrete	1.25 m³	3.133101
K1F-4		Precast Concrete	1.31 m³	3.287235
K1F-5	4A1-PB(E)-1A	Precast Concrete	0.69 m³	1.734661
K1F-5	4A3-PB(E)-2A	Precast Concrete	0.71 m³	1.786458
K1F-5	4A3-PB(E)-1A	Precast Concrete	0.72 m³	1.793508
K1F-5: 10		•		'
K1HF-1	2A-PB(E)-1A	Precast Concrete	0.33 m³	0.819329
K1HF-1	2A-PB(E)-1A(H)	Precast Concrete	0.33 m ²	0.819329
K1HF-1: 4	9			
	2A-PB(E)-1A	Precast Concrete	0.50 m ³	1.258195
K1HF-2			0.50 m ³	1.258195
K1HF-2 K1HF-2	2A-PB(E)-1A(H)	Precast Concrete	0.50111	
	2A-PB(E)-1A(H)	Precast Concrete	10.30111	
K1HF-2	2A-PB(E)-1A(H)	Precast Concrete Precast Concrete	0.60 m³	1.497301



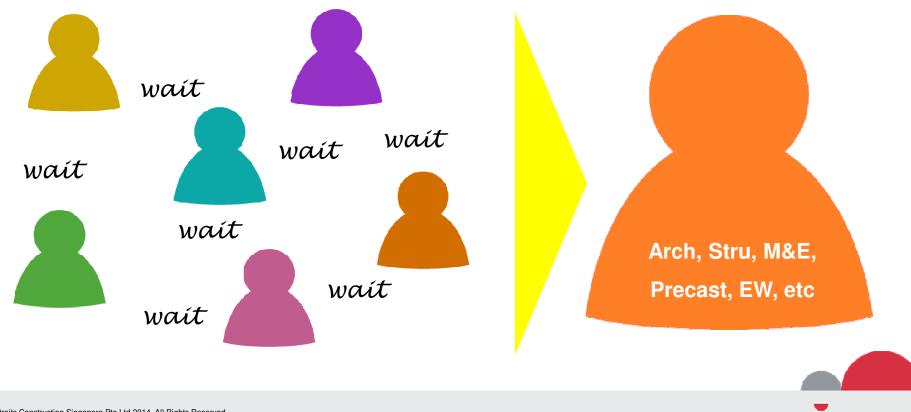






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Single Role for "Arch/Stru/M&E/Precast" Modelling

- Accountability for Modeling Works
- "Big-Room" Meetings → Single Resource Support
- Challenges: Training Roadmap

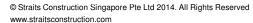


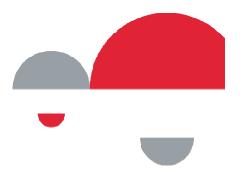














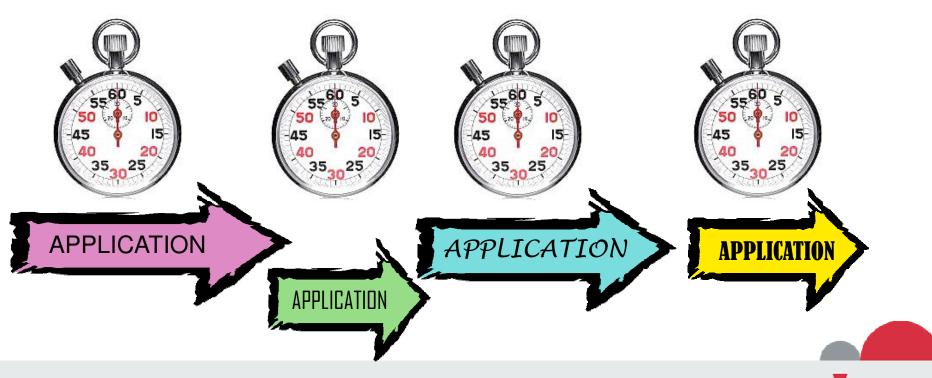
Parallel deployment affect Progress and Performance







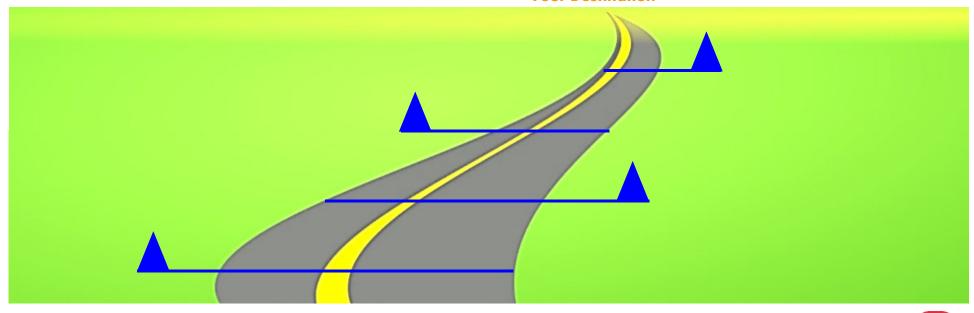
Consider: Concept in "Big-BIM-Little-BIM"





BIM Journey

Your Destination

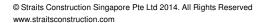


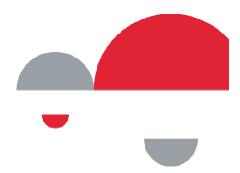














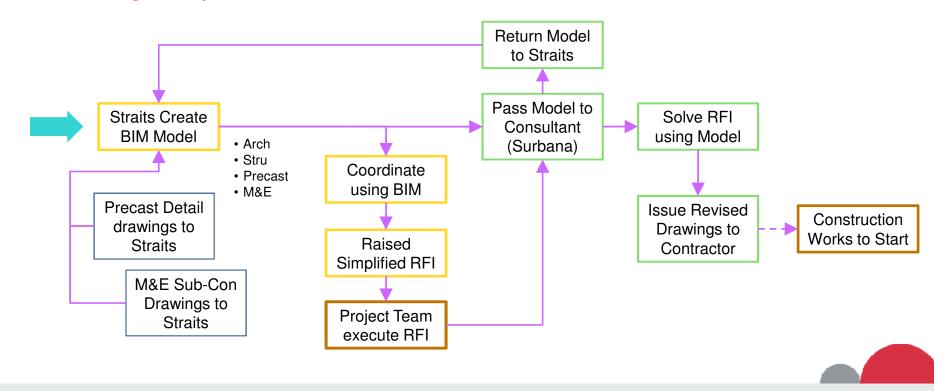
Open Collaboration & Sharing with Consultant

- HDB Bukit Merah RC-53
- The Situation
 - Consultant did not have the Model
 - Contractor wants turnaround on RFI in 1-Revision
- Create specialized Objects into Project Model
 - Information for Communication and Discussion





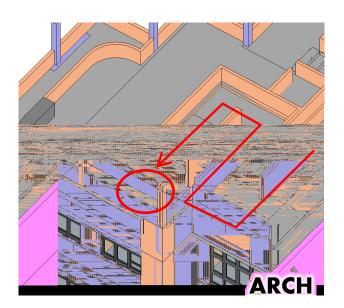
Redefining the process

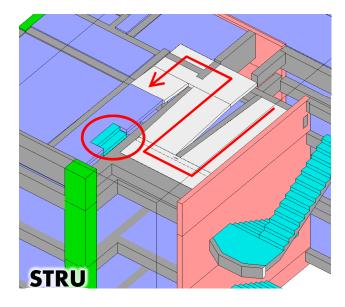




Confirmation

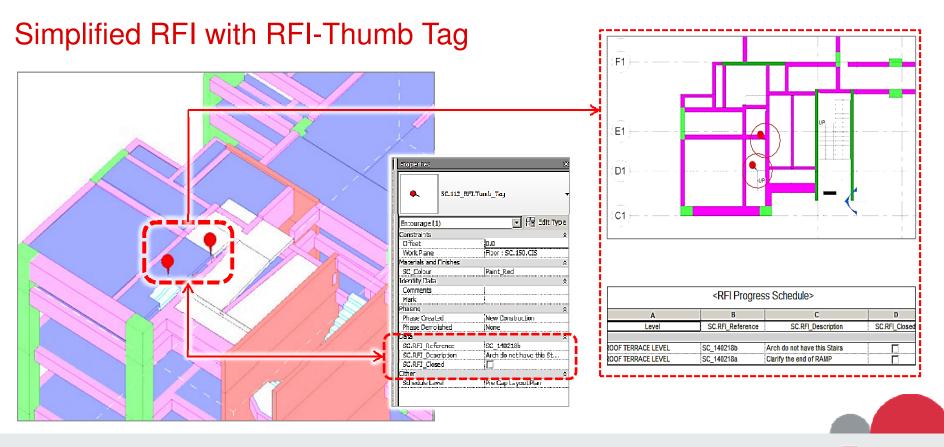
RFI and Design Intent





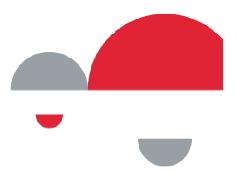






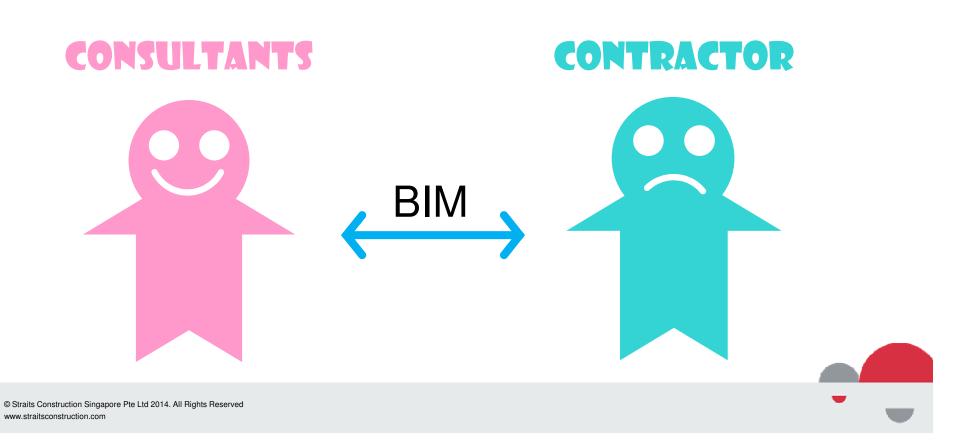


Closing





Conventional Practise



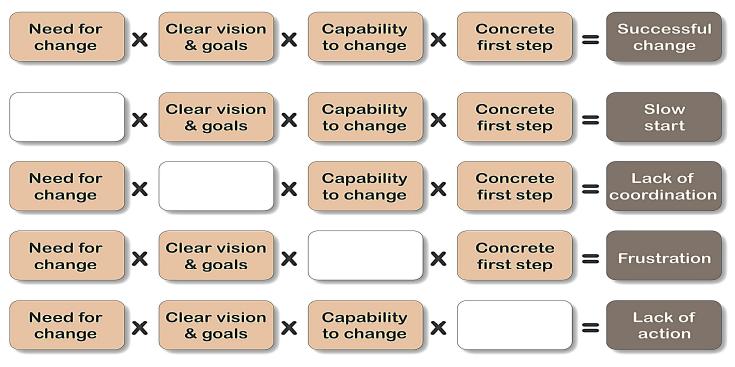








Formula of change Variation of the Gleicher's Formula





End of Presentation

