

FIG KL 2014



RICS Perspectives on BIM – more than buildings

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Measurement



The language of measurement

- ▶ Did you really mean that? Just what do you want it for?
Fitness for purpose...
- ▶ Geo-speak
- ▶ Valuation, construction, geospatial survey
- ▶ What does BIM bring to the party?





RICS
the mark of
property
professionalism
worldwide

The elephant in the room - 1




Change

The BIM Challenge - Industry 



<p>Naysayer: <i>"Fallible"</i> <i>"Expensive"</i> <i>"Moving goal posts"</i> <i>"The next fad"</i></p>	<p>Trailblazer: <i>"Paradigm shift"</i> <i>"Essential Investment"</i> <i>"Standards are set"</i> <i>"Future proof"</i></p>
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A human challenge 

"Dealing with people is probably the biggest problem you face, especially if you are in business. Yes, and that is also true if you are a housewife, architect or engineer."

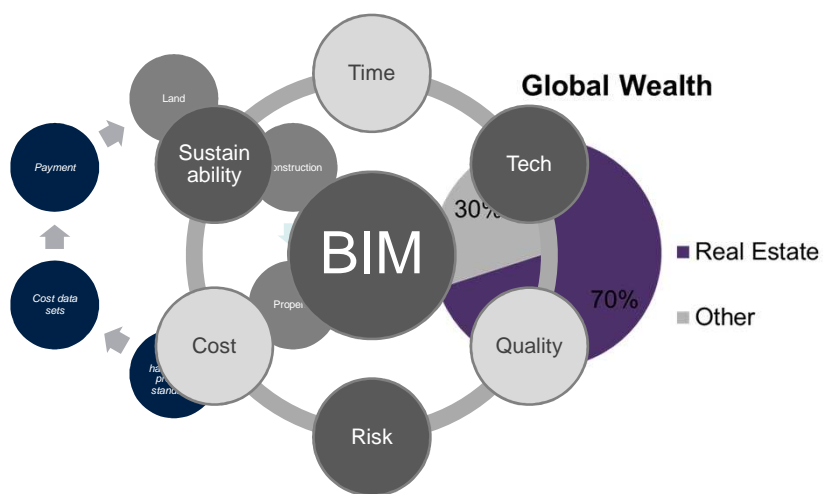
Dale Carnegie



Is BIM relevant to all?



Our challenge – connecting the dots

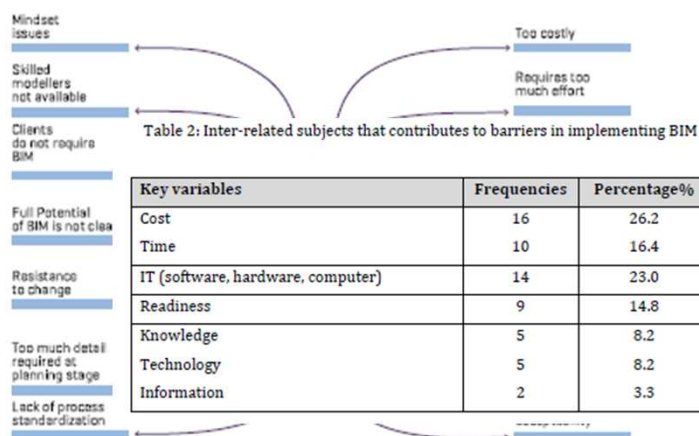


Who's afraid of the big bad wolf?

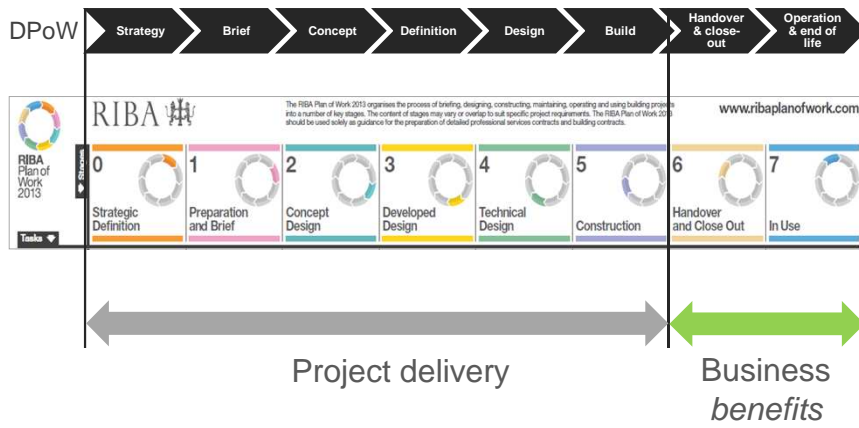


*“QS’s
scared of
BIM!!”*

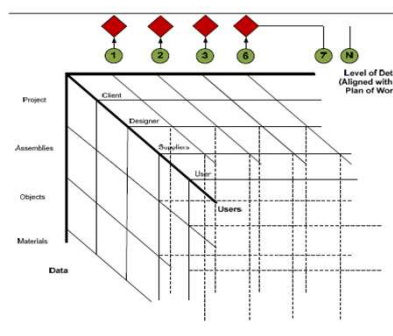
Who's afraid of the big bad wolf?



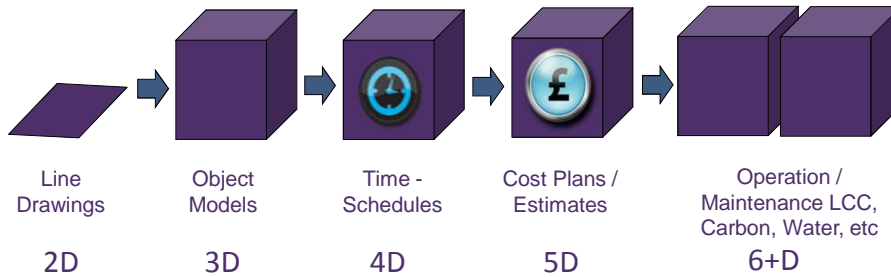
Talk about benefits



DPoW



Capex & Opex cost data sets



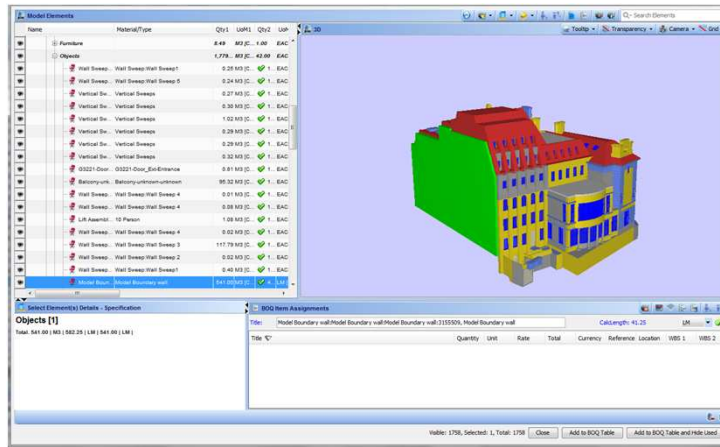
- Standards
- Consistency
- Efficiency
- Better decision making



BIM – the RICS experience



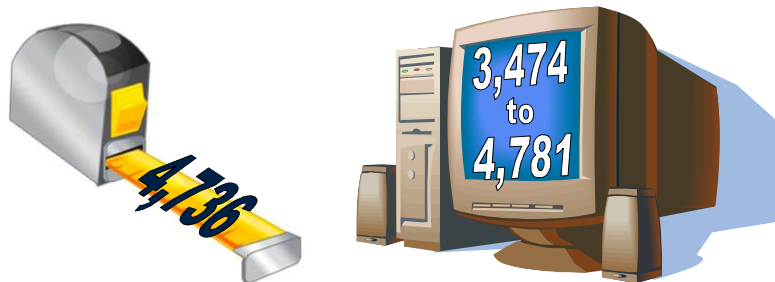
Scan to BIM – vender challenge



The Results



Gross Internal Floor Area



Raw data gives a **cost variance of 27%***

Actually <10% on a like-for-like basis



The elephant in the room - 2



Measurement



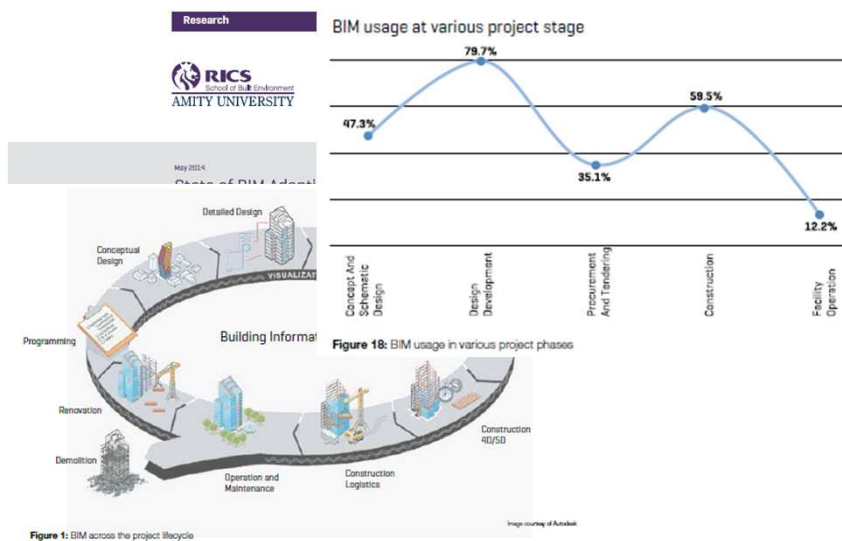
RICS output and guidance



- BIM implementation guide
- 5D BIM Surveyor
- QS Protocol
- BIM Manager Certification



RICS – BIM output



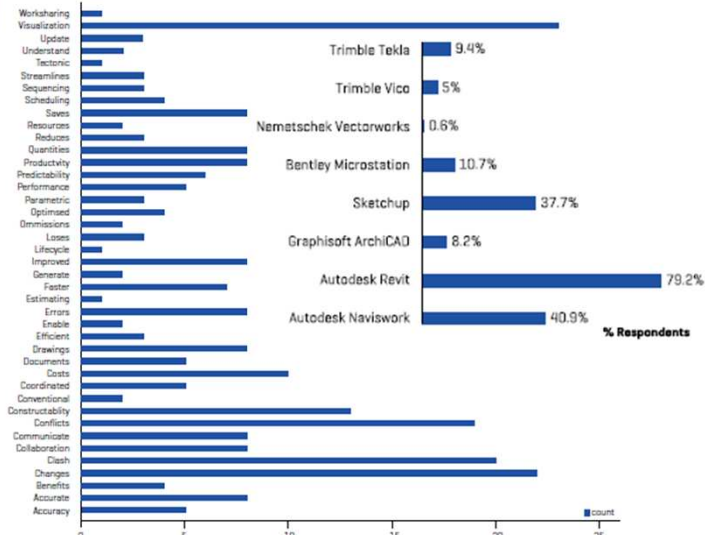
RICS – BIM output - India



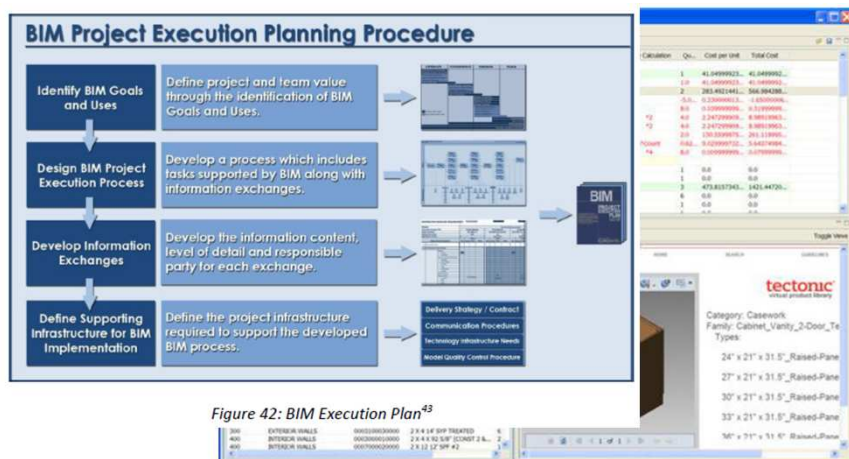
Table 7: Views of re

Respondents

- 90% of the respondents
- 86% of the respondents
- 82% of the respondents
- 81% of the respondents
- 70% of the respondents
- 69% of the respondents
- 67% of the respondents
- 60% of the respondents



RICS – BIM implementation guide



BIM-GIS -CAD - clash of the titans

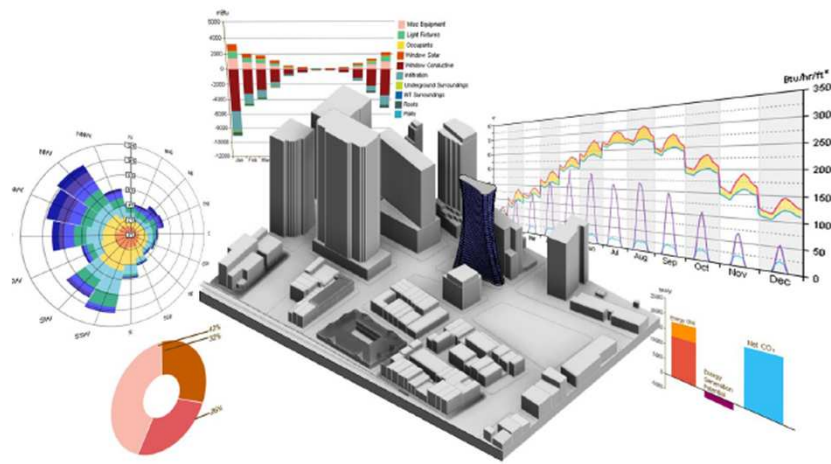
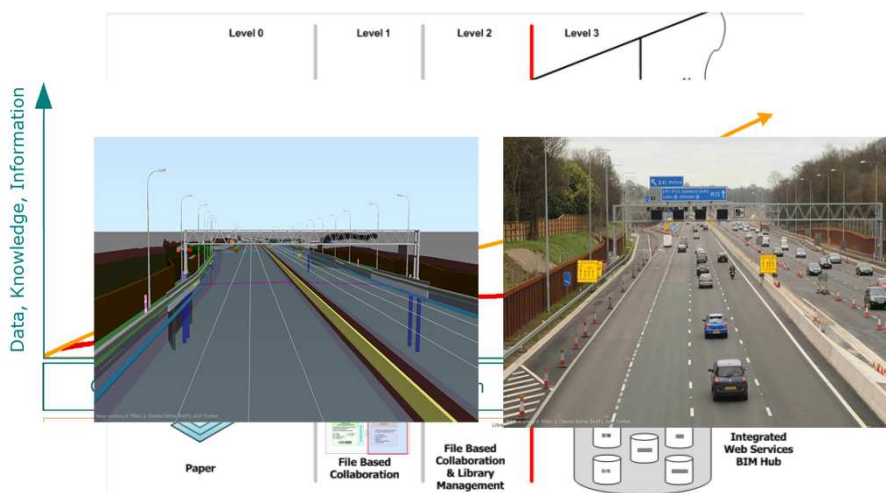


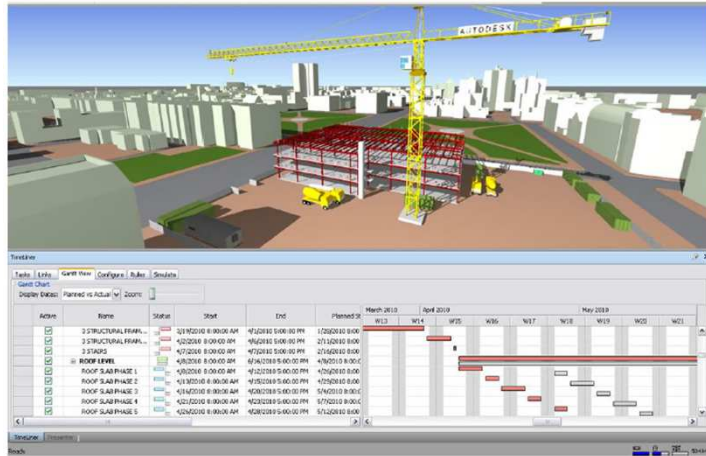
Figure 52: Concept Stage Modelling and Analysis at a District Level (Source: Autodesk)

BIM-GIS -CAD - clash of the titans

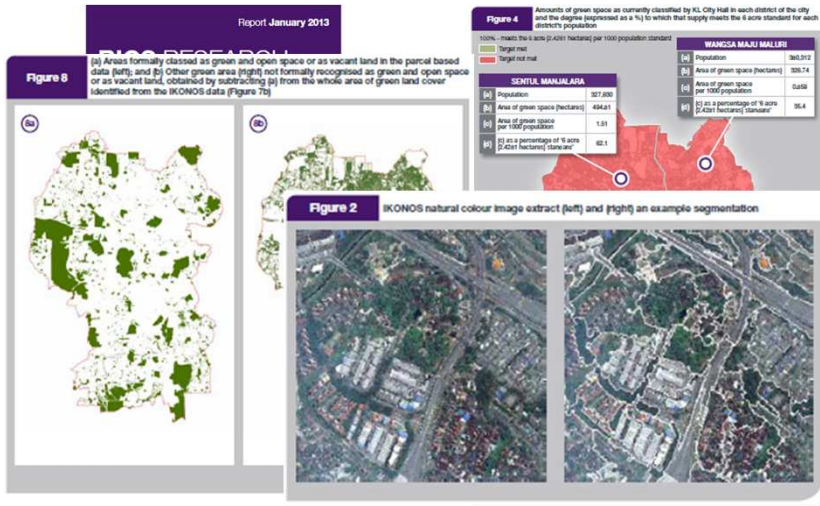


rics.org

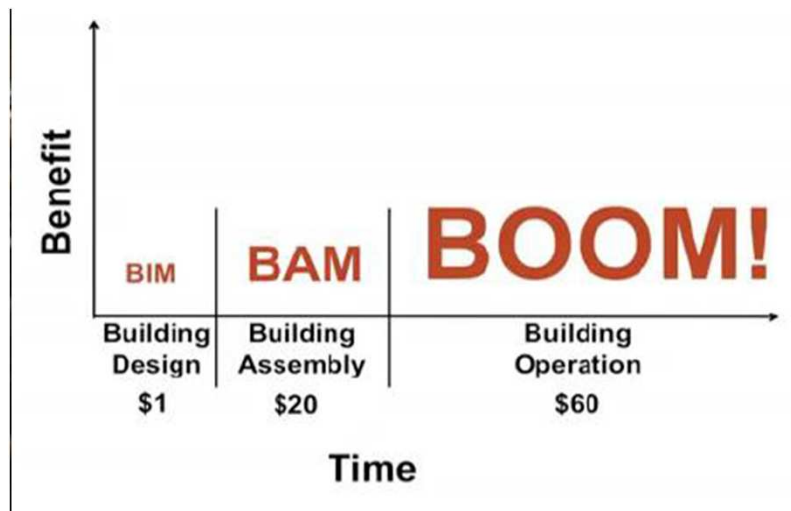
BIM-GIS - CAD - clash of the titans



RICS research – understanding Green infrastructure Kuala Lumpur



Conclusions – technology is king



Thank you



Any questions?



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