

MacConvilles Surveying

BIM - What it Means to Quantity Surveying



**CONSTRUCTING
EXCELLENCE**



BIM – What it Means to Quantity Surveying

- ⊙ MacConvilles – Who We Are
- ⊙ What Does BIM Mean to a QS
- ⊙ Opportunity or Threat
- ⊙ Barriers to BIM
- ⊙ MacConvilles Journey
- ⊙ BIM – Benefits
- ⊙ Quantity Surveying – The Future

MacConvilles Surveying – Who We Are

- ⊙ MacConvilles were established in 1938 operating across London and the South East of England
- ⊙ Chartered Quantity Surveyors, Project Managers, Building Surveyors & CDM Advisors
- ⊙ Multidisciplinary Practice including
 - ⊙ Health, education, retail, ecclesiastical, industrial, residential, and sustainable development
 - ⊙ BREEAM, EPC, SAP, SBEM

What is BIM to QS



Opportunity or Threat?

“There is the potential to create a fully automated cost plan directly from a BIM or its associated database” – RICS Construction Journal Oct 2015

BIM might sound like a major threat to quantity surveyors. If cost estimates can be generated from BIM models then will clients need Qs to the same extent in future?

With BIM now carrying out many traditional QS functions, are quantity surveyors and their scale rules about to meet a sticky end?

Opportunity or Threat?

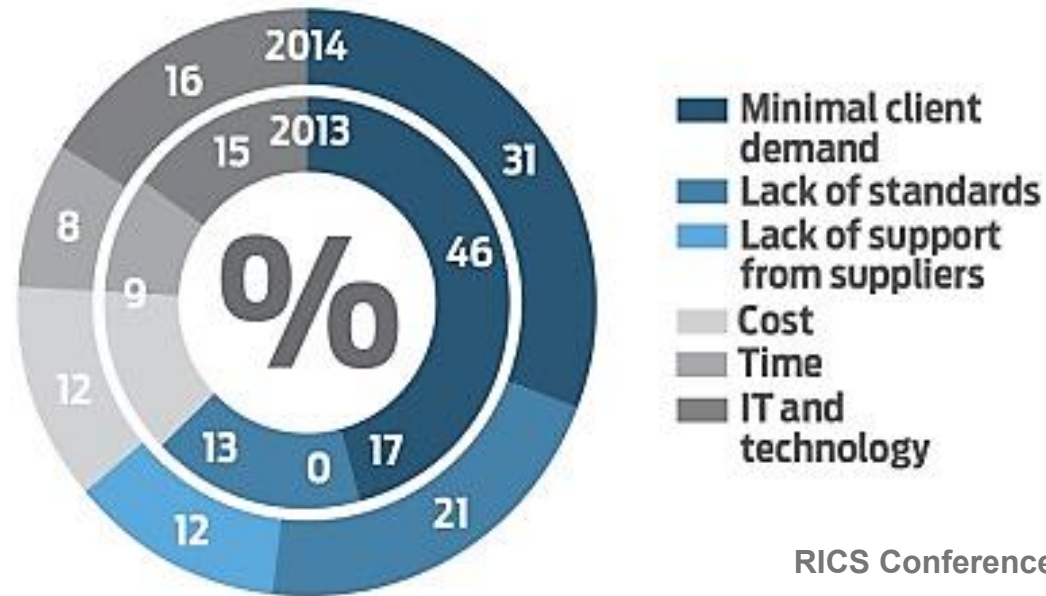
- © 1980's – Introduction of Computers & Spreadsheet Software
- © 1990's – Introduction of Autocad Systems
- © 2015 – BIM
- © Rubbish In – Rubbish Out. The Art of Surveying
- © Significantly improve accuracy and speed up estimating processes

Opportunity or Threat?

It's hard to argue that the introduction of BIM will be anything other than a good thing for QS's simply because it will eliminate so many mistakes and clashes of plan on site

Barriers to BIM Uptake

What are your barriers to BIM uptake?



RICS Conference Survey - 2014

Top 3 Barriers to BIM:

- ⊙ Minimal Client Demand
- ⊙ Lack of Standards
- ⊙ IT or Technology

MacConvilles - Our Journey



MacConvilles - Our Journey

~~exact~~

~~cost~~

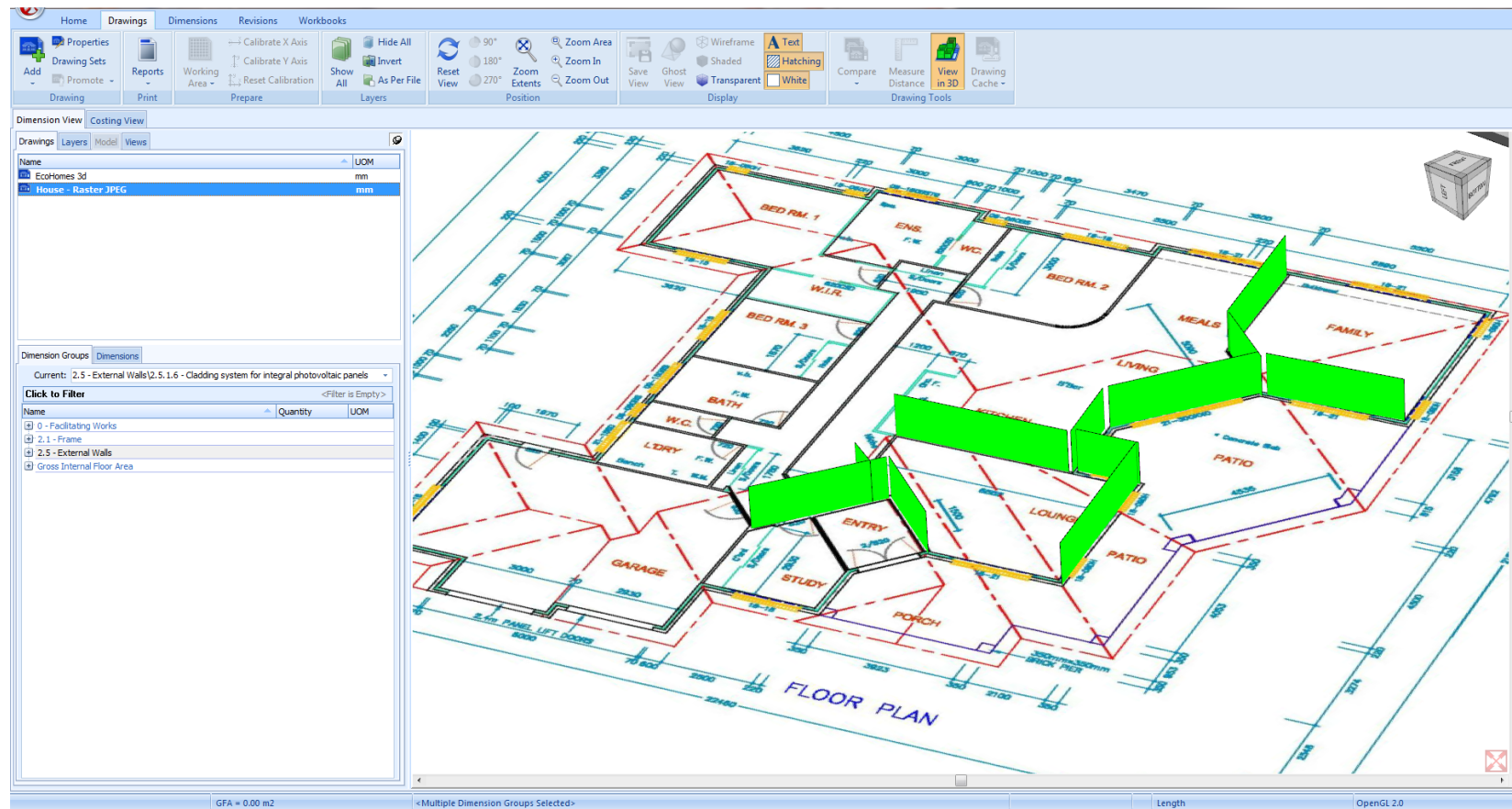
Software

- ⊙ Monthly Rental
- ⊙ Good Training
- ⊙ Good Support
- ⊙ Compatible with Revit

Hardware

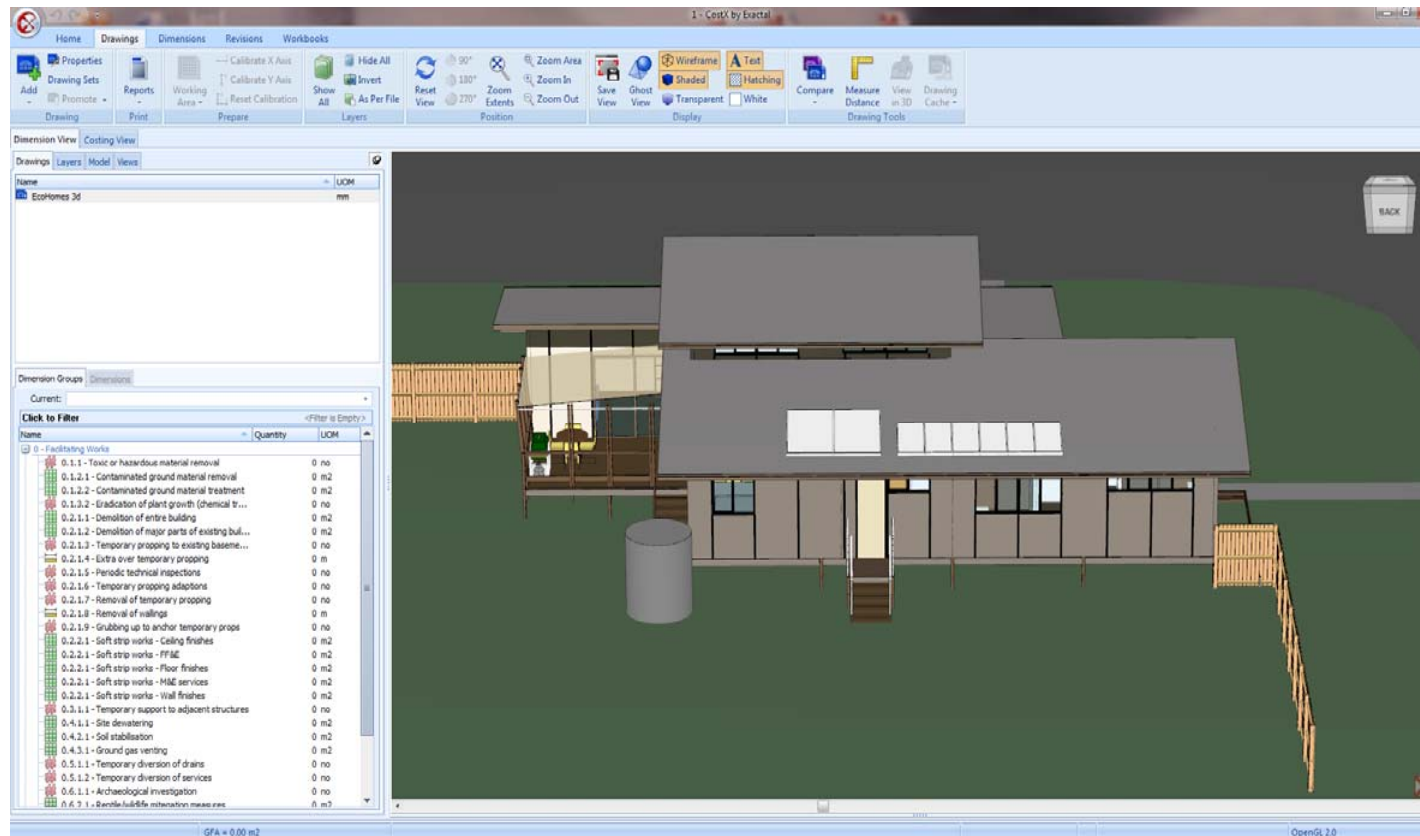
- ⊙ Upgrade Computers – Better Graphics Cards

BIM - Benefits



Benefit from a visual connection between model, quantity, estimate and price changes

BIM - Benefits



This will help you explain the evolution of the cost plan to your Client and others connected to the project

BIM - Benefits



When revisions occur the software can compare the drawings, highlights the change which allows you to keep an audit trail and update the measurements - this will help you identify scope creep and/or out-of-budget choices.

BIM - Benefits



Quantity Surveying – The Future

QSs shouldn't fear it. Nothing will ever take over from the experience and expertise of a professional working on a project.

“There can be a very happy coexistence between QSs and BIM. It is not a replacement but a tool - a tool that will cut the amount of time you have to spend on analysis right down and give you the opportunity to direct your talents towards being more creative.

Thank You

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