

Quantity Take-off and Estimation

As design software evolves, design teams are able to deliver more complete and robust models. Couple this with enhanced auditing procedures, and we are at a point where there is more confidence in the information that the design model can provide for both quantification and estimation.

Traditional Quantity surveyors work with spread sheets and highlighter pens on sets of drawings to understand the project and get familiar with the amount of materials that would be required to build the project, often missing information as the drawings do not contain all the data.

However, project delivery is changing as technology is now bridging the gap between design and pre-construction. Solutions are being used to assist the Quantity Surveyor in the breakdown of materials in the project. Linking costs from spreadsheets or costing systems such as Sage allows us to not only take off accurate material schedules but also see the impact of change during any value engineering or optioneering exercises.



But, technologies today are being built as platforms rather than point products and Excitech now offer a solution that provides project teams the facility to access, analyse

and share model-based building information to improve preconstruction and construction processes including design reviews, take-offs, estimating, change management, value engineering and schedule management. Key elements in this solution include:

- Rapid model-based take-off
- Visual Variance Reporting
- Instant access to BIM
- Visualisation of Model Data
- Conceptual estimating
- Level of development tracking



Bridging the gap between design and pre-construction has to date been an area that has lagged behind other technological developments throughout the construction cycle. Utilising an integrated platform provides a seamless transition between project activities and also provides greater oversight with transparency and visibility for project team members, project management and senior management alike.

For more information on our construction services please call 01992 807 444 or email marketing@excitech.co.uk.

Features and Benefits of Digital Quantification and Estimation

- Greater project visibility and transparency
- Increase pre-construction efficiency
- Conceptual estimates quickly produced from Virtual Models
- Fast and efficient variance updates
- Collaborative and transparent change management
- Level of development
- More surety over budget estimates
- Value engineering optioneering
- Look ahead planning
- Sophisticated yet easy to use production and schedule management