

## **THEME: BUILDING INFORMATION MODELLING (BIM) CONCEPT, APPLICATIONS, AND BENEFITS IN PROJECT DEVELOPMENT**

### **BIM EVOLUTION: ARE WE READY? OR WHERE ARE WE ON THE ADOPTION CURVE?**

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#### **Abstract**

The stratified approach, poor design coordination and systematic multi-stage issuing of drawings and specifications by design consultants to building or civil engineering contractors for implementation on project site have been identified as one of the major factors for the construction industry's inefficiency in comparison with other manufacturing sectors. Loss of productivity, cost and time overrun, post construction poor asset management among others are few of the challenges often cited. Building information modelling (BIM) provides the interconnection that facilitates and enables the bringing together of data and different components to form a coherent set of information for effective decision making that guarantees seamless site operation and improved constructability of more complex projects particularly in the 21<sup>st</sup> Century. While the benefits of BIM adoption are enormous, this presentation seeks to look at our preparedness and where we are on the BIM adoption curve. Furthermore, the presentation seeks to emphasize that the survival and success of an individual Quantity Surveying practitioner or firm will be directly related to its ability to meet the needs of the market and to compete effectively with in the emerging construction industry that will be driven by information technology. The presentation emphasizes the need that it is important that firms willing to participate and survive in the future emerging construction industry remain aware and vigilant about what is happening around us and be willing to get on board the "BIM Train" by being in possession of essential expertise and products that no other company can provide.

***Keywords:*** *BIM, Adoption, Attitude, Constructability, Collaboration, theoretical frameworks*