



# **Building Information Modeling (BIM) in Management: Opportunities to be considered by Facility Managers**

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## **Abstract**

The demand of Building Information Modeling (BIM) is increasing recently as much international organization and government taking the initiative to promote BIM in building life-cycle. Nowadays methods of project management and construction did not change for approach in the design, construction and maintenance of building. Although the implementation of BIM is not an easy thing, BIM promising to benefits of efficient Information Management (IM) in Facilities Management (FM). There will be the improvement of the quality of life (QOL) in the workplace when adopting BIM in FM that encompasses multiple discipline to ensure higher functionality of the built environment by integrating people, place, processes and technology. In this studies, the opportunities acquire by the organization implement BIM in FM for the benefit of QOL in the workplace are reviewed.

**Key words:** Building Information Modeling (BIM), opportunities; Facilities Management (FM), Information, management (IM), technology

## **1. Introduction**

The desire of Building Information Modeling (BIM) is increasing recently as much international organization and government taking the initiative to promote BIM in all industry life-cycle. The life cycle in BIM is primary sets it apart from preceding digital technologies, which were designed in specific phases of the building life cycle for specific sectors of the building industry, such as design, construction and Facility Management (FM) (Azhar, Khalfan, & Maqsood, 2012; Smith & Tardif, 2009; Takim, Harris, & Nawawi, 2013 ). The fundamental of BIM implementation are: cash flow, productivity, profit and revenue though different types of businesses use BIM for different purpose (Smith & Tardif, 2009; Weygant, 2011). The goal of BIM improve product delivery, which includes quality, reliability, timeless and consistency of the process made (Ani, Johar, Tawil, Razak, & Hamzah, 2015). Most information created during the design and construction process that is specifications, warranty certificates and operations and maintenance manuals (Smith & Tardif, 2009). Otherwise, the current practice BIM in