

The basics of assets and dangers of BIM implementation in Construction Company

Petr Matějka

Pavel Kovář

Eduard Hromada

Vilém Berka

Abstract: The paper deals with an explanation of the Building Information Modeling (BIM) topic and with a basic clarification of the main assets and dangers of system implementation in the Construction Company. In the beginning of the paper, the reader is introduced into BIM topic from the perspective of the construction project management and realization. The basic BIM ideas and principles are explained. The following part of the paper aims at the most important assets of BIM implementation in the Construction Company. The next part then discusses the biggest dangers, and their relevance to implementation. The last part of the paper explains the importance of BIM from the project operational phase perspective and its connection with life cycle costs (LCC). In the end of the paper, the relevance of BIM in the future development of the Czech construction market is highlighted, together with the main implementation obstacles, which will have to be dealt with in the future.

Keywords: BIM; Building Information Modeling; asset; danger; implementation

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