

The Benefits and Drawbacks of BIM-Based Engineering Cost Management

Qing Juana Liu *

Remote Wall Town (North Campus), Licheng District, Jinan City, Shandong Province, China

Editorial

BIM software solution theoretical research and development of BIM software, the main research results are BIM software system. And so on, the application research of BIM in practical engineering shows how to apply existing BIM software to practical engineering and solve the problems in practical application. Problems existing in project cost management in our country at present The construction cost mode lacks the accurate data support With the progress of the Times, the value of market goods has been changing, almost no accurate value for reference. The traditional project cost is usually estimated by quota information, and the price of labour, material and machinery in quota has certain disparity compared with the current construction market. At the same time, in the process of project cost management, because the price and index in different areas are different, so there is no reliable data to support in the process of project cost, and the change of market economy is difficult to grasp.

BIM Technology could be a digital and intelligent illustration of building facilities. It may be accustomed simulate, plan, construct and operate buildings. within the construction trade. BIM Technology will be used to simulate, plan, construct and operate the building. The core of BIM technology is to supply numerous info regarding building merchandise for various organizations at different stages. the basic price of BIM is that it can dramatically improve the process, expertise, and structure fragmentation of the development industry by increasing the extent of cooperative integration and thereby increasing the productivity of the industry BIM basic theoretical analysis primarily based on

BIM standards and revealed in tutorial papers, BIM software package resolution theoretical analysis and development of BIM software, the most research results are BIM software system. and then on, the appliance research of BIM in sensible engineering shows the way to apply existing BIM software to practical engineering and solve the issues in practical application. issues existing in project price management in our country at the present the development cost mode lacks the correct information support With the progress of the Times, the worth of market product has been changing, nearly no accurate value for reference. the normal project cost is typically calculable by quota information, and therefore the price of labour, material and machinery in quota has sure inequality compared with the present construction market. At an equivalent time, within the method of project price management, as a result of the value and index in several areas are different, therefore there's no reliable information to support in the process of project cost, and the amendment of laissez-faire economy is troublesome to grasp.

Even if changes occur, effective management and dynamic control of design changes can be achieved during the building phase if BIM models are shared and managed with BIM. BIM generates a virtual building model, which is a database containing all of the building's data. By combining a 3D building model with time and cost, you may save time and money. You can design a four-dimensional virtual construction process simulation to test the feasibility of a construction scheme. before the project's construction. Furthermore, it can assist constructors in comprehending the design purpose and reduce the avoidable complications created by miscommunication by understanding the construction plan needs on a deeper level.

***Address for Correspondence:** Qing Juana Liu, Remote Wall Town (North Campus), Licheng District, Jinan City, Shandong Province, China, E-mail: qingjuana@gmail.com

Copyright: © 2021 Qing Juana Liu. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

Received 20 November 2021; **Accepted** 25 November 2021; **Published** 30 November 2021

How to cite this article: Qing Juana Liu. "The Benefits and Drawbacks of BIM-Based Engineering Cost Management." *Ind Eng Manage* 10 (2021): 325.