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Green Application of BIM in the Tianmen Agricultural E-commerce Technology Industrial Park Project (Postprint)

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Abstract

With the development of the times and advancement of technology, the demand for the application of green building design based on BIM technology has increased. This paper elaborates on a scheme that, taking greenness as the objective and BIM technology as the means, within the lifecycle of the Tianmen Agricultural E-commerce Technology Industrial Park building, propels the building closer to green indicators through digital building models, analysis and adjustment of building energy consumption, and coordination and optimization among various disciplines. Through exploration of green and sustainable design schemes, it enhances the environmental performance of buildings, achieves the goals of environmental protection and resource conservation for green buildings, and provides theoretical reference and guidance for future integrated design applications of BIM in the field of green building design.

Full Text

Preamble

Note: Figure translations are in progress. See original paper for figures.

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