

マンション現場における施工BIM及びICT導入の効果検証

Verifying the effect of construction BIM and ICT technology at a condominium construction site

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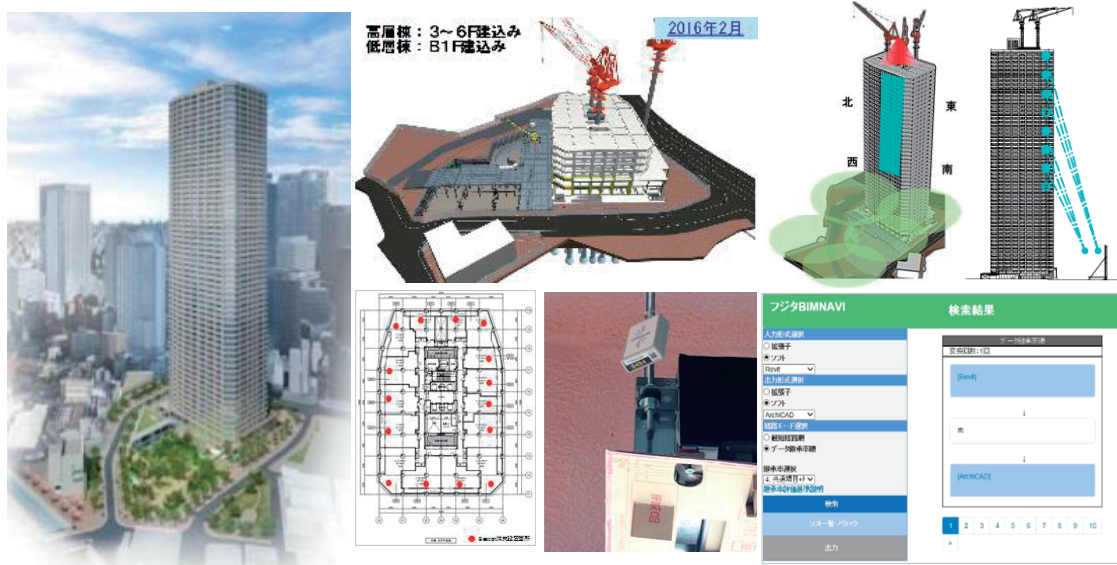
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土木

ICT

建築

環境



概要

近年、BIM(Building Information Modeling)やICT(Information and Communication Technology)は徐々に建設現場に浸透しつつあるが、活用の度合いは作業所職員のBIMやICTスキルに左右され、現場管理効率化や課題解決の手段としての発想に行き着かないケースも見受けられる。BIMやICTの技術者が建設現場に入り込む事で潜在的な課題や効率化要素を見出せるのではないかと考える。本稿では、国内外から注目された60階建てマンション現場にて、2013年の着工時より施工BIMやICTを導入、検証を行ったので、その結果を報告する。

In recent years, BIM (Building Information Modeling) and ICT (Information and Communication Technology) are gradually permeating construction sites, but the method of utilization differs depending on the BIM or ICT skills of the worker staff, and there are cases where they are unable to conceive of the idea as a means for improving efficiency and solving problems. But if BIM and ICT engineers enter construction sites, I think they will be able to find potential problems and efficiency factors. In this research, engineers from BIM and ICT entered the construction site of a 60-story condominium, which has attracted attention both within Japan and overseas, from the time construction began in 2013. This paper reports the results of this research.