

V. ASPUREZ, B. BECERIK-GERBER. **Building Information Modeling for facility management: A case study.** *Gerontechnology* 2012;11(2):150; doi:10.4017/gt.2012.11.02.478.00 **Purpose** Facilities management (FM) encompasses and requires multidisciplinary activities, and thus has extensive information requirements. While some of these needs are addressed by several existing FM-information systems, building information modeling (BIM), which is becoming widely adopted by the construction industry, holds undeveloped potential for providing and supporting FM-practices with its functionalities of visualization, analysis, and control. If BIM-use in the FM-stage is successful, it has the potential to benefit the industry, including aging communities, through a more efficient and intelligent management of facilities. **Method** This case study paper explores the implementation and use of BIM in FM-practices by the University of Southern California (USC). The paper illustrates the use of BIM in FM-practices by describing the implementation in a campus project with three distinct phases from 2008 to today. Links are proposed between BIM and various FM-software, envisioned by the USC FM-group (*Figure 1*). **Results & Discussion** A specific focus is given to automated creation of digital assets directly from BIM during the commissioning stage. The paper describes the BIM-execution workflow and the BIM-guidelines for FM developed by the FM-organization. Currently, the FM-organization is testing the use of new functionalities of BIM in their practice. The paper reports preliminary findings.

Keywords: BIM, facilities management, automation, commissioning

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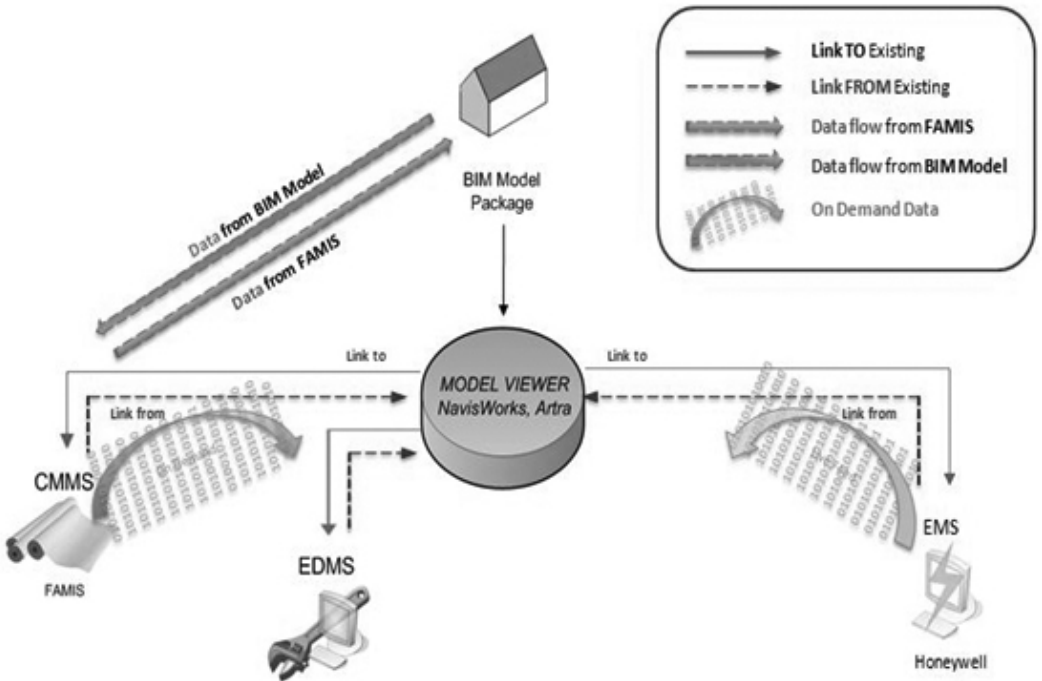


Figure 1. Proposed links between BIM and various FM software