



Integration of BIM Management into Custom Residential Construction

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Methodology

- Qualitative research allowing in depth reasoning
- Comparative case study held between two custom residential contractors
- Semi structured interviews

Abstract

The custom Residential sector of construction currently lacks the usage of BIM management tools. This paper looks to research the current usage, advantages, and disadvantages of the using BIM management softwares within custom residential construction. There will be a comparative case study held between two custom residential contractors, one with minor BIM usage and one who has fully integrated BIM softwares into their management procedures. The goal is to find out if BIM management is cost effective and scalable to the custom residential industry. This information will be beneficial to the custom residential industry because it will provide custom residential general contractors with information and data about BIM, that can be directly applied to their business.

Significance

- A lack of BIM management usage within the custom residential industry
- Provide the industry with enough information to encourage the usage of BIM management tools
- Find out why small contractors are reluctant to manage with BIM softwares

Questions

- In your opinion, is there a lack of BIM used as a management tools being used in the custom residential industry?
- Is BIM scalable to custom residential?
- Do/would you implement BIM into your management?
- What is a reasonable price your company would spend on BIM management tools?
- What are reasons you would not implement BIM into your management?

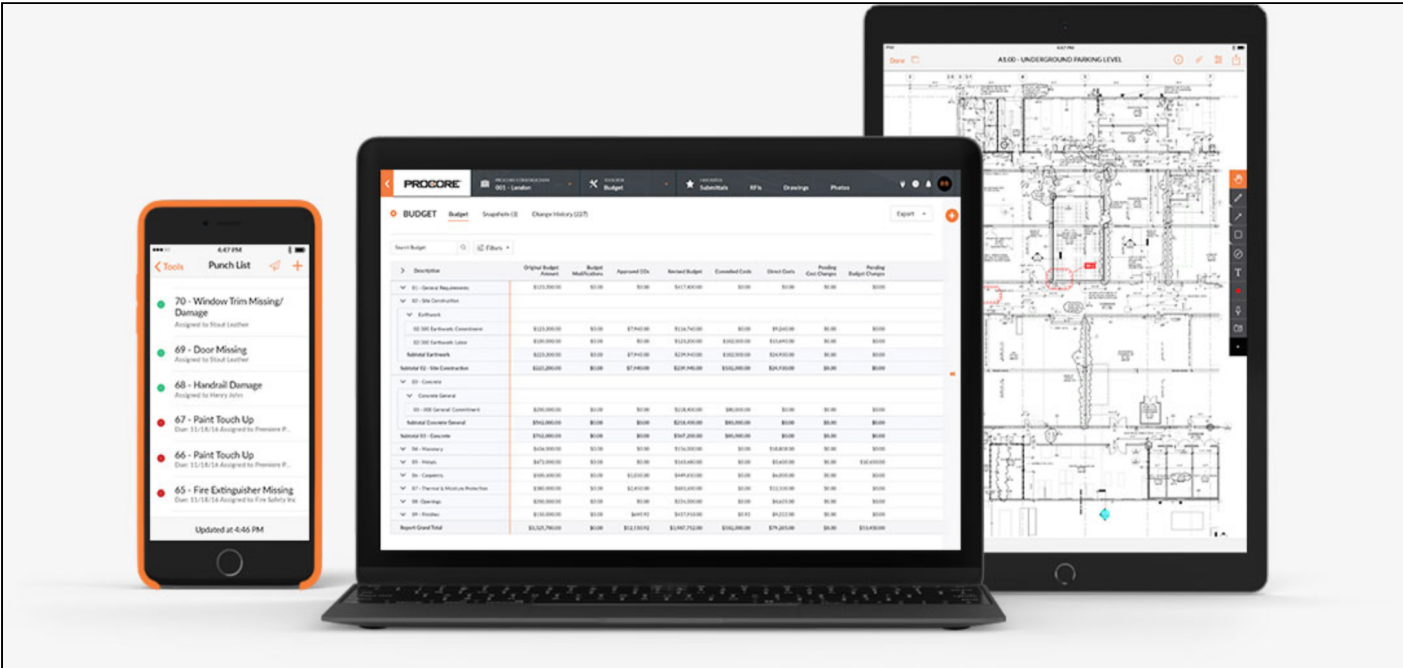


Key Words
Residential, BIM, Management, Process, Construction



Research Impact on the Industry

- Provide contractors with information regarding the implementation of BIM management softwares
- Encourage the use of BIM management throughout the industry
- Create efficiency through the increased usage of BIM technology



Results

- BIM is viewed as a very helpful tool in management and is widely welcomed
- It is expensive service if it is not used to its full capabilities
- Largest confining factor is from the lack of use by architects, engineers, and subcontractors

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