

The legislative and technological aspects of BIM implementation

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Summary

Adrian's research considers both technical and legislative aspects of BIM implementation, with a view to better understanding the challenges, opportunities and barriers for the adoption of BIM Level 2 and beyond for Scottish construction companies.

Background

The purpose of the research is to understand the legislative and technical aspects of BIM implementation for the Scottish construction industry. This research will provide a knowledge of the key challenges and pressure points which can in turn be used to influence future industry engagements and training requirements.

Challenges

Although BIM is a central part of both the UK and Scottish Governments' construction strategy, legislation is now in force requiring public construction projects to implement BIM level 2 as a matter of course. However, the rate of technological advancement is much faster than the overall rate of industry adoption. This research project considers the aspects of the legislation and technical implementation for BIM Level 2

which are most practically challenging for companies. In addition, it focuses upon the application models which could be designed to enable the industry to adopt digital technologies such as BIM more quickly.



Benefits

Understanding the key issues relating to technology and legislation which prevent the construction industry moving beyond BIM Level 2

Collate industries views and recommendations to generate future discussions regarding the legislative and technological effects of BIM Level 2 implementation.

To assess the extent of BIM Level 2 usage within market-leading firms and smaller enterprises

To understand the impact of current BIM legislation on industry to make recommendations to streamline implementation.

“ Scottish construction companies are aware of the need for moving towards BIM Level 2. Research like this from can be used by CSIC and Adrian as a first step to developing streamlined and effective implementation strategies with collaborative input from a range of industry partners. ”

Stephen Good, CEO CSIC

