



BIM-Based Life Cycle Sustainability Assessment for Buildings

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Message from the Guest Editor

Dear Colleagues,

Numerous current investigations try to analyze and evaluate building and construction alternatives, using different methodological approaches. However, the application of these tools and procedures generally consumes a large amount of time, energy and resources when applied to construction and building systems, mainly due to the qualitative and quantitative complexity of the building phenomenon. Fortunately, in recent years, the use of building information modeling (BIM) platforms have proven to be an innovative, useful and effective aid to the development of building assessments, especially in the process of calculating inventories, obtaining and visualizing results and, more recently, optimizing systems from the life cycle perspective. In order to present the current approaches and trends in this field and to show their practical applications, this Special Issue will compile a selection of research projects that use BIM platforms as a methodological basis and are carried out in the context of the environmental, economic and social assessment of construction, building and urban systems.





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