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The Specific objectives of the study were to explore of the current level of BIM usage, to examine of benefits and barriers due to use of BIM, to highlight experts' views for enhancing BIM adoption, and to elaborate of a process for BIM adoption in Rwanda.

The research enquired into the awareness of the respondents on BIM need in Rwanda, with the aim of exploring the level of use, addressing related benefits and barriers in the country, and elaborating the process of adoption which the industry can opt for to ensure full BIM usage in construction project life cycle and facilities management.

Space, carbon footprint, energy consumption, operational effectiveness and life cycle costs can be simulated and optimized in an early stage of the project. Resulting in improved project plans and a substantial higher return of investment (ROI).

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GGGI Rwanda: Fact Sheet Rwanda Green Building Minimum Compliance System Challenges Globally, buildings accounted for 30% of global final energy consumption and 28% of global CO₂ emissions in 2017i. In Africa, energy used in buildings is an estimated 56% of the total national electricity consumption. Over 70% of this

As part of the 2025 strategic goal of BIM Africa to educate more than 500,000 African construction entities on BIM, we are delighted to announce an introductory training on Building Information Modelling (BIM) in Rwanda.

The adoption of Building Information Modeling (BIM) for sustainability and energy modeling. The use of BIM automates the process of determining the necessary number of points based on chosen LEED certification categories, eliminates paperwork, and simplifies the point selection approach.

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investigating the current level of use of BIM in Rwanda, and elaboration of a process that could enable the industry to adopt and implement the technology on its construction

Alexandre Nzirorera, a Rwandan engineer, has been appointed to lead the introduction of Building Information Modeling (BIM) technology in Rwanda. / Photo: Courtesy. Michel Nkurunziza Monday, December 28, 2020

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