

# Creating and Using BIM waste energy map Study on Energy Management<sup>1)</sup>

Kim Hye Mi\* · Hong Won Hwa\*\*

Kyoungbook National University Spacial Information , belle82@nate.com\*  
Kyoungbook National University Faculty of Architecture Professor,  
hongwh@knu.ac.kr(Corresponding author)\*\*

## Abstract

Emerging global economic growth and increasing demand for energy supply and demand imbalance and the excessive use of fossil fuels existing the rapidly increasing greenhouse gas emissions and resource depletion of global energy crisis is deepening. Accordingly, improvement of living conditions around and through the natural ecological preservation and the need for a comfortable life for the meeting the importance of energy management and consumption are emerging.

Many in the field of architecture for energy-saving measures and conducts research and analysis from the early stages to verify the energy performance of BIM (Building Information Model) technology development and commercialization through the building's energy performance to an objective technology forecasts Analysis of the existing building energy performance in waste management also possible that "BIM-based green building process, the possibility of" suggested.

In this study, BIM through the analysis of information using the structures for the management of waste, energy and physical data collected by Mapping it can effectively plan resources for recycling were analyzed.

Keywords: BIM, construction waste management, waste, energy map, GIS

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