



UNSW
THE UNIVERSITY OF NEW SOUTH WALES

Faculty of the Built Environment

*'The awareness and application of sustainable construction
concept in Viet Nam'*

By

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ABSTRACT

Sustainable development is a new trend within the construction industry in Vietnam whereby the government and players try to find new construction approaches to protect the environment and enhance the quality of life. The aim of this paper is to investigate the awareness, knowledge and the implementation level of sustainable practices amongst construction practitioners in Vietnam. Also, the paper attempts to give some recommendations that can enhance the awareness and the application of green building in Vietnam. An online questionnaire was distributed to practitioners within five categories of stakeholders, including clients, designers, contractors, project managers and suppliers. A total of 203 professionals completed the survey. The results of the data analysis show that the construction industry in Vietnam is witnessing a rising awareness of sustainability in which more people are interested in green building concepts and have a certain knowledge of this subject. The results suggest that there are different perceptions and inconsistencies among various players on some issues related to sustainable practices, such as higher project costs or the complex construction of green buildings. Also, despite the growing awareness, most respondents believe that sustainable practices are at a low level of implementation due to some reasons, primarily lack of enforcement and clear federal policy, followed by the cost sensitivities of green buildings. Finally, the study recommends the key role of the Vietnamese government in promoting the implementation of green buildings and the significant contribution of education and training in improving knowledge and understanding of sustainable concepts for practitioners.

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