

Risk management of international construction joint ventures - Analysis of factors for success or failures of international JV projects in global areas

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Abstract

This research showed that the factors contributing to the success or failure of international joint ventures (IJVs), such as those between Japanese and American engineering companies, are influenced by information sharing and consensus building within the IJV.

Based on the available information about such IJV projects, the factors were evaluated by the following statistical method. However, the mechanism is not simple and includes many mediating and interaction effects between explanatory variables due to the uncertainty of the environment surrounding the project. Based on existing research on risk management in Project management area, it was revealed that the analyzed factors behind IJV success and failure based on the analysis model that integrates the above perspectives and incorporates typical risk items for projects as pointed out by PM-related academic and practitioners societies. It was demonstrated that it can be explained quantitatively by applying the Multivariate analysis method. This analysis method could be expanded to the future evaluation of the projects risk item during the planning stage of the projects.