

Nichcha Thanadetsirikul 2011: Key Organizational Infrastructure Factors Driving Knowledge Management in Thai Construction Organizations. Master of Engineering (Civil Engineering), Major Field: Civil Engineering, Department of Civil Engineering. Thesis Advisor: Mrs. Piyanut Wetvivorn, D.Eng. 121 pages.

The study aims to identify key factors influencing effectiveness of knowledge management in consulting firms in Thai construction industry. Data is collected through questionnaire survey. Total of 101 questionnaires from architectural design firms, engineering design firms, and construction management consulting firms are returned. Factor analysis together with multiple regression analysis techniques are used to analyze the data. The result revealed that there are three key factors directly affecting the effectiveness of knowledge management including learning culture, learning supported activities, and information technology. However, another key factor that cannot be left out is management commitment. Management must sincerely develop knowledge and capability of their staffs continuously. They must also be role models in developing attitude to admit their own mistake and persistently learn and develop themselves in every aspect in order to create learning culture which is eventually embedded in the organization

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Student's signature

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Thesis Advisor's signature