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International Journal of Project Management

Volume 20, Issue 6, August 2002, Pages 413-423

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[https://doi.org/10.1016/S0263-7863\(01\)00036-9](https://doi.org/10.1016/S0263-7863(01)00036-9)

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Abstract

The purpose of this paper is to present a case study on how a US\$621 million power plant was developed in East Asia. The scope of the paper covers the project environment in which the electricity industry is privatized, the method of dividing the project into 16 design-build (DB) work packages to encourage domestic contractors with limited capabilities to participate in the project, and the planning and control system. It was found that six of the 16 work packages were successful, eight were satisfactory only, and two were unsuccessful. The analysis of the problems encountered provides lessons to be learned for application to future large-scale and complex projects.



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Keywords

Design-build; Performance; Develop and construct; Turnkey; Large scale complicated project; Power plant

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