Dissertation Title	The critical success factors of construction project management in petrochemical construction industry
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ABSTRACT

In determining the priority practices for successful construction project management, it is important to give due consideration to the critical success factors (CSF) that have proven effective in past projects. However, the critical success factors that have worked well for one project in a specific industry and within a particular country may differ from those that are most effective on another project in a different industry and/or in another country. The present study focuses on Thai petrochemical construction industry with the aim of identifying its critical success factors and understanding the mutual relationships that exist between them. To understand these mutual relationships, this study distinguishes between "driving" and "dependent" critical success factors. Qualitative methodologies (e.g., interviews and project analyses) and quantitative methodologies (e.g., interpretive structural modeling (ISM), cause and effect model) have been applied to investigate the mutual relationships that exist between these critical success factors.

The results show that two critical success factors — "client satisfaction" and “profitability”— stand out from the others in terms of their significance and should consequently receive greater management attention. This research contributes to the body of knowledge in the field of project management and construction management by identifying areas of improvement in terms of managing petrochemical construction projects. This study's results will inform and assist practitioners in managing petrochemical construction projects, which require fast development and a short time to construct.

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