ABSTRACT

As the effect of globalization and free trade agreement era in many business, engineering and construction companies (E&C) around the world now have new possibilities to expand their market in many countries. The developing countries such as Indonesia, which has a large population and many natural resources and beginning the industrialization, will be an attractive location for E&C business around the world. This means the competition among E & C in Indonesia is getting tougher. Local E&C, who already had their own market, is now have to begin to search for a new competitive advantage. The growth of information technology offers an advantage to be used as a competitive advantage.

There are many kinds of software sold in the market for Engineering and Construction. First is software that gives impact to automate routine office activities. Second is software that gives impact to informate the effectiveness of information in a project. Engineering and construction companies in developing countries have to really concerned about the money they are going to spend on information system.

The purpose of this research is to get the right combination of investment, between automate generate software and informate generate software. Findings in this research will be an applicable study for similar Engineering and Construction company on how to invest in information system on engineering process and show the best combination of investment of automate and informate that can create optimum benefit for engineering and construction company.

Keywords: investment, information system, automate and informate
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