

*A Study of Management Information System (MIS)  
Competency and Adoption Strategy among Oil  
Companies in Libya*

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2009**

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I declare that all the work described in this thesis was undertaken by my own research (unless otherwise acknowledged in the text) and that none of the work has been previously submitted for any academic degree. All sources of quoted information have been acknowledged through references.

ABDULSALAM SALEM A

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# Abstract

The objectives of the research was to examine the relationship between MIS competency and MIS strategy adoption to maximize the utilized of resource management on oil companies in Libya and also to examine the influence of MIS adoption factors such as subjective norm, usefulness and ease of use of the product influence on MIS competency on companies in Libya on the perspective of resource management of the product. This study is important to contribute to better understanding for production process on how important MIS strategy, competency and strategic MIS. It will help companies to make some changes based on the result of this research. The research confirmed the relationship between subjective norm, perceived usefulness and ease of use contribute were positively related to MIS competency. It provides estimates of the research model and suggests which components of the adoption item will get more successful in Oil Companies. The research models are being pursued in the adoption of organization competency to succeed. Through this research companies able to understand the all level production and see how well the management has done its part to watch over their MIS strategy. This study is designed to provide the benefit for management practitioners, especially for stakeholder in oil companies in Libya. For practitioners, the aim is to offer a holistic and in-depth overview of how to forms the product through the determination of MIS competency and strategy. Furthermore, this study confirmed to enhance and develop MIS strategy to make products and all activities using MIS as efficient and effective. This study also significance to fill the gaps in the literature review and contribute to the increase of strategy in the firm, company and organizations. This study also intends to help practitioners to understand what factors influence the MIS strategy using competency and strategic MIS.

**Keyword:** MIS Competency, Subjective Norm, Perceived Usefulness, Perceived Ease of Use.

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# CHAPTER 1

## OVERVIEW OF THE RESEARCH

### 1.1 Background of the Study

With the development of technological revolution and economic globalization and the fundamental change of social production method, human capital and social capital has become the key factors for a business organization to achieve competitive advantage (Li and Hu, 2007). Management information system (MIS) is charged with improving the strategy of organizations and people related on MIS through the employ of information technology. MIS is a multifaceted discipline which combines technologies, personnel, processes, and organizational mechanisms. Clearly, the success of MIS is measured in terms of individual and organizational strategy (Chen and Cheng, 2008).

For nearly 50 years the development of information systems (IS) was almost entirely perceived as a technical discipline. IS professionals, with a certain level of help from users, set about developing IS in the various functional areas of firms. They were supported by IS development and project management methodologies, as well as a range of other tools and techniques. A large number of high-profile system development failures put the technical focus of the discipline at the centre of discussion (Stuart Maguire and Tom Redman, 2006).

It is only recently that the “softer” aspects of the IS development process have achieved a higher profile. For instance, it could be argued that from changing one line of computer code to the implementation of an integrated, organization-wide IS is

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