Integrated Management in Construction Projects and Challenges 
and Executive Strategies to Avoid Inhibiting Factors in the Project of 
Knowledge based Companies (Case Study Samco Company) 

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Abstract
Globalization, reliable infrastructure, culture and deregulation can be considered the most important conditions for the emergence of knowledge-based companies. Globalization helps companies broaden their views and experiences of successful and unsuccessful international forgiven learn. Knowledge is a humans’ asset and not be limited to geographical boundaries, then it is better that company’s view the world and thus become more knowledge-based. So this study aimed to identify the components of the integrated management of development projects is knowledge-based companies In order to avoid inhibiting factors in the process of project implementation mechanisms for knowledge-based companies. The results of the analysis carried out in the form of software SPSS, represent a significant relationship in Samco company between the dimensions of integrated management including knowledge management, innovative management and administration of the technological component of the implementation of development projects, including planning and design, construction, evaluation and identification and the development of the construction. The aim of this study was to evaluate the effectiveness of a scientific theory and applied knowledge in the industry and certain variables evaluated and considered that, in terms of purpose, so it’s applied. This study is to investigate the relationship between the variables studied and it’s descriptive correlational based on the nature and method of this research. 
Keywords: integrated management system, innovation, technology management, knowledge management, implementation of development projects, Samco construction companies

Introduction
The organizations requirement and committed to Organizations committed to creating knowledge for the survival and development of the organization in attention to environmental change and its dynamic situation in international level and making a much mount of organizational and technological development. So the service organizations specially constructive- civil companies are Responsible for implementing knowledge management and innovation to using innovative technologists in order to surviving. 3 components are very important todays as a mixture component in the formation of integrated management in service organizations. According to studies carried out by divination, Farvkh and Prvbtrt found that IT management has identified the following indicators, selection, acquisition, exploitation, conservation and learning. Also look at knowledge management from Nonaka & Takeuchi (1995) has dimensions of acquisition, treatment, internal, operating, creation, storage, external building. Finally, aspects of innovation management is also looking at Yigal and Joel (from the perspective of Park and Kim, 2006) contains 8 elements of strategy, new products, selection of ideas, evaluation of economic / technological, testing and formulation of ideas, the development of a product (or service) test specimen, test and market a commercial building. In fact, the
fundamental question of the implementation of development projects, identify the key components of management made substantial performance of the projects and the integration of these components in the form of integrated management system which is to identify strengths and weaknesses in implementing its projects by organization

**Knowledge-based companies, project management standards:**

Today's competitive business environment, all organizations are forced to asset management knowledge and technological innovation has made. The importance of the concept of integrated management and integrated management system combining innovative and knowledge-based and technological aspects of the organization will be of particular importance. However, and despite the emphasis in the form of laws and regulations specific expertise, still projects a very low number we face in due course and at the expense of optimum quality and specifications in accordance with the expectations of delivery are what in all common system that can be of these standards in order to continuously improve and enhance the quality of project management by any organization, including government agencies, private or community for any project, regardless of complexity, size or time in this regard, iso 21500 and pmbok Nmvdkh time standards have been developed. So these 3 elements combined as a component in the formation of integrated management in service organizations is very important today. According to studies carried out by divination, Farvkh and Prvbrt and found that IT management has identified the following indicators, selection, acquisition, exploitation, conservation and learning. Also look at knowledge management from Nonaka & Takeuchi (1995) has dimensions of acquisition, treatment, internal, operating, creation, storage, external building. Finally, aspects of innovation management is also looking at Yigal and Joel (from the perspective of Park and Kim, 2006) contains 8elements of strategy, new products, selection of ideas, evaluation of economic / technological, testing and formulation of ideas, the development of a product (or service) test specimen, test and market a commercial building. Construction has traditionally lagged behind in adopting strategic management (Hillebrandt et al., 1995; Junnonen, 1998). There are several reasons for this has taken. First, contractors, construction, foundation and base business model is certainly an important obstacle is not having a relatively steady but complex organization temporarily (for example individual projects) inhibits the need for a knowledge based companies over the show. In fact, the fundamental question of the implementation of development projects, identify the key components of management made substantial performance of the projects and the integration of these components in the form of integrated management system which is to identify strengths and weaknesses in implementing its projects by organization review and identify threats and opportunities for environmental review and enforcement of existing competitors and competitive advantage, maximize efficiency of application of development projects to be created. In this study, it is known to the dimensions of knowledge management, innovation management and technology in the context of the formation of the unified management of the organization studied and examined (traditional Damar, horoscope and Prvbrt, 2009) so that the impact of the Integrated Management System performance the study examined development projects. According to studies of development projects ppm Buck (2000) are the 4 steps. This process includes planning, evaluation and development are identified and that each step is a prerequisite for the next step. Thus, in this study the question of the review now Samkv as one of the organizations working knowledge in the field of development projects is the impact of the adoption of integrated management system in the organization and the performance of development projects carried out in the study and examined. The central problem of this research is the answer to this question is that the integrated management system affects the company's performance knowledge-based Samco company in the implementation of development projects, as well as inhibiting factors in implementing these projects what has been the effect of this components of the studied organizations is to what extent? It's needed to deal with the meaning of terms such as system integration before examining unified management system:

**Integrated management system:**

It had been attended the implement and apply several managerial systems by continues development of organizations and their trends to implement managerial system in line with organizational aims and based
on customer asks and organizations’ clients. In other words it’s a integrative system which it mix management systems through concentrate on employee, process view and a systematic approach and provide it be putting up the all managerial standard activities in a unique system. Integrated management systems means combine multiple systems in an organization's management and control and manage all of them. The system may not be so obvious to staff but it will be overall a significant effect on the performance of individual members of the organization.

**Knowledge-based companies:**
In fact, knowledge is a set of theoretical known, practical skills and human experience. Throughout history, many have, such as land, equipment, hardware, natural resources and information, constituted the essence of human core business. In simple terms, companies today are knowledge of the propriety. It should be borne in mind that any knowledge is useful for the companies. Knowledge must be applied, or so-called experts, is commercialization. The commercialization of knowledge, transforming it from a raw state to a state of market-friendly and market demand. This reduces waste and costs can be compared to similar projects.

**Project management of civil programs:**
Project management is a set of tools for planning and directing the project to the objectives goals which are describe based on stakeholder satisfaction and due to three factors: time, quality and cost. At first glance, the tools and methods used in project management redundant, time-consuming and costly, but it should be noted that project management is the only way that can assure you of timely project. Project management of civil programs is a way to make good use of various facilities including humans, machines, construction ideas, civil experts and financing component in order to run a civil project at the right time which should be on first run properly in the productivity manner. (Golabchi, 1389).

**Project Quality Management:**
Processes of quality management includes whole activity of project organization which realize responsibilities, goals and policies, quality procedures in order to supply needs that project would be played as one. This process implements quality management system throughout policies, procedures, processes of quality planning, quality assurance and quality control with activities of the continuous improvement process.

**Research Methodology**
The research is applicable as its’ objective. In continue the research is developmental based on new discussion of integrative management and propose the executive approaches to prevent from inhibiting factors in project process in Samco company and its’ industry. Also this research is Cross-sectional survey in attention to information collecting and analyzing. In continue this research is a kind of correlational descriptive-survey study based on nature and method which investigate the relations between the variables. The aim of this study was to evaluate the effectiveness of a scientific theory and applied knowledge and evaluates certain variables in the industry. So this study is applicable terms of purpose. The variables used in this study are presented in the form of conceptual model as following diagram:
Data analyzing:
In this part will be surveyed the descriptive and inferential statistics.

Klomogrove-smirnov test:
This test is used to evaluate the kind of data distribution as normality. The hypothesis of this test is as following:
H.: the distribution of data is normal.
H1: the distribution of data is abnormal.
According to the analysis carried out by the tables shown above, a significant level of data collected by all study variables is smaller than \( \alpha = 0.05 \), so in 95% confidence interval, the H1 is confirmed which indicates that all variables have an abnormal distribution.

**Research Hypothesis**

**H1: KM significant has a meaningful influence on planning and designing of civil program in Samco knowledge-based company.**

According to the results revealed a significant level (sig) obtained in the Spearman correlation coefficient is equal to the 0.000 between these two variables and given that this amount is less than 0/05 (\( \alpha=0.05 \)) it resulted the in null hypothesis (H0) has been rejected in 95% confidence interval and there is a meaningful relationship between the variables. Thus it can be mentioned, KM significant has a meaningful influence on planning and designing of civil program in Samco knowledge-based company.

**H2: KM significant has a meaningful influence on construction of civil program in Samco knowledge-based company.**

According to the results revealed a significant level (sig) obtained in the Spearman correlation coefficient is equal to the 0.000 between these two variables and given that this amount is less than 0/05 (\( \alpha=0.05 \)) it resulted the in null hypothesis (H0) has been rejected in 95% confidence interval and there is a meaningful
relationship between the variables. Thus it can be mentioned, KM significant has a meaningful influence on construction of civil program in Samco knowledge-based company.

**H3: KM significant has a meaningful influence on evaluation of civil program in Samco knowledge-based company.**

According to the results revealed a significant level (sig) obtained in the Spearman correlation coefficient is equal to the 0.000 between these two variables and given that this amount is less than 0/05 (α=0.05) it resulted the in null hypothesis (H0) has been rejected in 95% confidence interval and there is a meaningful relationship between the variables. Thus it can be mentioned, KM significant has a meaningful influence on evaluation of civil program in Samco knowledge-based company.

**H4: KM significant has a meaningful influence on recognition and development of civil program in Samco knowledge-based company.**

According to the results revealed a significant level (sig) obtained in the Spearman correlation coefficient is equal to the 0.000 between these two variables and given that this amount is less than 0/05 (α=0.05) its resulted the in null hypothesis (H0) has been rejected in 95% confidence interval and there is a meaningful relationship between the variables. Thus it can be mentioned, KM significant has a meaningful influence on recognition and development of civil program in Samco knowledge-based company.

**H5: Technology management has a meaningful influence on planning and designing of civil program in Samco knowledge-based company.**

According to the results revealed a significant level (sig) obtained in the Spearman correlation coefficient is equal to the 0.000 between these two variables and given that this amount is less than 0/05 (α=0.05) its resulted the in null hypothesis (H0) has been rejected in 95% confidence interval and there is a meaningful relationship between the variables. Thus it can be mentioned, technology management has a meaningful influence on planning and designing of civil program in Samco knowledge-based company.

**H6: Technology management has a meaningful influence on construction of civil program in Samco knowledge-based company.**

According to the results revealed a significant level (sig) obtained in the Spearman correlation coefficient is equal to the 0.000 between these two variables and given that this amount is less than 0/05 (α=0.05) its resulted the in null hypothesis (H0) has been rejected in 95% confidence interval and there is a meaningful relationship between the variables. Thus it can be mentioned, technology management has a meaningful influence on construction of civil program in Samco knowledge-based company.

**H7: Technology management has a meaningful influence on evaluation of civil program in Samco knowledge-based company.**

According to the results revealed a significant level (sig) obtained in the Spearman correlation coefficient is equal to the 0.000 between these two variables and given that this amount is less than 0/05 (α=0.05) its resulted the in null hypothesis (H0) has been rejected in 95% confidence interval and there is a meaningful relationship between the variables. Thus it can be mentioned, technology management has a meaningful influence on evaluation of civil program in Samco knowledge-based company.

**H8: Technology management has a meaningful influence on recognition and development of civil program in Samco knowledge-based company.**

According to the results revealed a significant level (sig) obtained in the Spearman correlation coefficient is equal to the 0.000 between these two variables and given that this amount is less than 0/05 (α=0.05) its resulted the in null hypothesis (H0) has been rejected in 95% confidence interval and there is a meaningful relationship between the variables. Thus it can be mentioned, technology management has a meaningful influence on recognition and development of civil program in Samco knowledge-based company.

**H9: Innovation has a meaningful influence on planning and designing of civil program in Samco knowledge-based company.**

According to the results revealed a significant level (sig) obtained in the Spearman correlation coefficient is equal to the 0.000 between these two variables and given that this amount is less than 0/05 (α=0.05) its resulted the in null hypothesis (H0) has been rejected in 95% confidence interval and there is a meaningful relationship between the variables. Thus it can be mentioned, innovation has a meaningful influence on planning and designing of civil program in Samco knowledge-based company.
**H10: Innovation has a meaningful influence on construction of civil program in Samco knowledge-based company.**

According to the results revealed a significant level (sig) obtained in the Spearman correlation coefficient is equal to the 0.000 between these two variables and given that this amount is less than 0/05 (α=0.05) its resulted the in null hypothesis (H0) has been rejected in 95% confidence interval and there is a meaningful relationship between the variables. Thus it can be mentioned, innovation has a meaningful influence on construction of civil program in Samco knowledge-based company.

**H11: Innovation has a meaningful influence on evaluation of civil program in Samco knowledge-based company.**

According to the results revealed a significant level (sig) obtained in the Spearman correlation coefficient is equal to the 0.000 between these two variables and given that this amount is less than 0/05 (α=0.05) its resulted the in null hypothesis (H0) has been rejected in 95% confidence interval and there is a meaningful relationship between the variables. Thus it can be mentioned, innovation has a meaningful influence on evaluation of civil program in Samco knowledge-based company.

**H12: Innovation has a meaningful influence on recognition and development of civil program in Samco knowledge-based company.**

According to the results revealed a significant level (sig) obtained in the Spearman correlation coefficient is equal to the 0.000 between these two variables and given that this amount is less than 0/05 (α=0.05) its resulted the in null hypothesis (H0) has been rejected in 95% confidence interval and there is a meaningful relationship between the variables. Thus it can be mentioned, innovation has a meaningful influence on recognition and development of civil program in Samco knowledge-based company.

**H13: Innovation has a meaningful influence on implementation of civil program in Samco knowledge-based company.**

According to the results revealed a significant level (sig) obtained in the Spearman correlation coefficient is equal to the 0.000 between these two variables and given that this amount is less than 0/05 (α=0.05) its resulted the in null hypothesis (H0) has been rejected in 95% confidence interval and there is a meaningful relationship between the variables. Thus it can be mentioned, innovation has a meaningful influence on implementation of civil program in Samco knowledge-based company.

**H14: Technology management has a meaningful influence on implementation of civil program in Samco knowledge-based company.**

According to the results revealed a significant level (sig) obtained in the Spearman correlation coefficient is equal to the 0.000 between these two variables and given that this amount is less than 0/05 (α=0.05) its resulted the in null hypothesis (H0) has been rejected in 95% confidence interval and there is a meaningful relationship between the variables. Thus it can be mentioned, technology management has a meaningful influence on implementation of civil program in Samco knowledge-based company.

**H15: Innovation has a meaningful influence on implementation of civil program in Samco knowledge-based company.**

According to the results revealed a significant level (sig) obtained in the Spearman correlation coefficient is equal to the 0.000 between these two variables and given that this amount is less than 0/05 (α=0.05) its resulted the in null hypothesis (H0) has been rejected in 95% confidence interval and there is a meaningful relationship between the variables. Thus it can be mentioned, innovation has a meaningful influence on implementation of civil program in Samco knowledge-based company.

**Conclusion**

According to the results of the analysis in last part, it was cleared that all hypotheses were confirmed and all components of knowledge management, technological management and innovation has a significant effect on the implementation of civil programs in Samco company with the four components including: planning and designing, construction, evaluation and also recognition and development. So it can be concluded the use of knowledge management components, technological management and organizational innovation have a positive meaningful influence on implementation of these programs and its performance productivity throughout effect on components of civil programs implementation.
References