

# FROM CONSULTING TO IMPLEMENTATION, INFORMATION TECHNOLOGY ALSO NEEDS PROFESSIONAL DESIGN

Yufei Li

*UFIDA, BeiQing Road No.68, Haidian District, Beijing, China*

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Abstract: Information construction is a project, only through good scientific design can ensure the continuity, pertinence and controllability of the process of building the follow-up, and the informationization design process is mainly reflected in the information on management consulting services.

## 1 INTRODUCTION

Construction enterprise group has been great-leap-forward development in recent years, the business scale has been gradual expansion, an increasing number of subsidiaries have been built, and the numbers of projects are also rapidly increasing. It would have been a good thing. But in the wake of the development of enterprises, management level increased quickly and management chain is longer and longer, enterprise can not achieve effective monitoring and go from bad to worse. For example, the group leader can often get the group report that there are only the result of a month ago, and the basic real-time monitoring can not be achieved, even the leadership do not know the exact number of projects and staff distribution in Group's current business (because almost every day the whole group has new projects to complete and the staff always need to adjust), so the risk of enterprise is gradually increased.

In order to strengthen the group's management and control, ensure the effective implementation of enterprises strategy and improve the overall efficiency of enterprises, some construction enterprises start the information construction programme. For construction enterprises, the enterprises of information technology development is unbalanced, there is no experience of group-level information construction. At the beginning, we are all confused about how to choose the method of construction, and what should we build. Through communicating to the enterprise which has excellent application of information, understanding and

analysis the process of building the information, based on the most familiar mode of construction we confirmed the way of information—the engineering information construction model. That is oneself as a landlord. As regards the things that do not know well, we have to ask the designer, administrator and control the general contracting.

## 2 USE THE WAY OF CONSULTATION TO LEAD INTO INFORMATION CONSTRUCTION

For any construction enterprises, must be extremely familiar to construction process of Construction entities. A formal construction process must have five phases, there are planning and design, detailed design, construction, consign and application. Throughout the construction process, design is the most important phase. Design phase will determine the construction modelling and the function application basically in the future. Also it can determine the vitality of building future and the corporate influence. A quality architecture project base on two elements. First, a good design. Second, a good coordination construction and quality control under the introduction of the design and monitoring of the supervisor.

In the course of building information, although many of the current units follow the building principles "master plan, step by step", they draw a framework for information technology by

enterprise's own information technology department. And then they directly select manufacturers to customization develop and implement. In the whole process, over all planning is always in the condition that "things do not always go according to plan". Some of the results of the final construction of the overall planning and even different from the original. In fact, information construction is also an engineering. Only through science and good design can ensure the continuity, pertinence and controllability in the design process of follow-up building. Moreover, the design process of information is mainly reflected in the information management consulting services. It is become a normalcy of information construction in other country.

After identified the idea of introducing a consultative way to execute the group's information technology planning and preliminary design. The problem of how to choose information technology consultation methods placed in front of the leading informatization groups. We explain three methods by using the examples of Sichuan Huasin Group Corporation Limited: First, company completed independently. Second, find construction companies. Third, find an independent consulting company.

There are a lot of advantages when company completed it independently. Because staff knows their business and Sichuan Huasin Group Corporation Limited also have their own information management organization and some Software R & D capabilities. But on the other side, there are also some problems when SHGC completed it. For example, they are often unable to analyze and make plan from multiple dimensions, angles and benefits. Second, staff who working in the information sector usually on the execution level, they are implementers and hardly to make information technology planning overall. Although senior managers and policy makers may have a full range of thinking, but they lacks the understanding of basic issues and cannot determines what is reasonable or not. Third, staff will takes shape to different groups for the reason of economic interests and positions. But essential changes sometimes harm to the interests of certain groups and cause conflict even resistance. Therefore, companies that conduct their own planning and analysis of information often lack the necessary notarized and objectivity, thus affecting the effectiveness of its implementation. And for architecture companies, information field it's not their speciality.

When using the second method like other information construction companies: Select a

industry construction manufacturers directly to complete consulting and construction. The advantage of the method is it can guarantee the continuity of consulting construction. But most of the information technology companies in China haven't the ability of consulting, their management consulting services is a program information even a software manual, it's not a a targeted management consulting, management analysis or planning information. And the direction of advice usually base on their software products and construction interest. It's difficult to maintain the investment of Sichuan Huasin Group Corporation Limited effectively and fairness.

The third method is to choose a experienced advisory organization. A good advisory organization has a lot of management experts and information technology experts. In the process, the organization can helps a company to find out urgent problems and propose the best recommendation of business restructuring programs and the appropriate software products after they surveyed the expedition of business processes and environment. Eventually, they can find out the solutions that can improve the efficiency, saving, advanced and reasonable. Identified the planning Information and development strategy that in accordance with company status and development requirements, it can share the consulting experience and excellent management experience of similar companies with Sichuan Huasin Group Corporation.

After visits manufacturers case visits and several rounds of bidding, Huasin Group Corporation finally chooses a consulting partner. The partners have their own professional consultants. Many consultants in partners consulting firm have many years of work experience in multinational companies. They used to work in the internationally renowned consulting firm. Compare with industry manufacturers consultants in partners consulting firm, they have more knowledge of management and experience in consulting. There are many management experts and software implementation experts in construction industry. Compare with foreign manufacturers, they have a better understanding of China's national conditions and software implementation methods. Consultants in partners consulting firm know China's construction industry well. When provision of programs, they can look outside of their own products and based on the current situation of customer to come up with treatments and solutions. Then the later practice is also proved that the choice of Huasin Group Corporation is right.

### 3 INFORMATION TECHNOLOGY CONSULTING WORK CONTENT AND PROCESS

The fundamental purpose of enterprise informationization construction is to services business development strategy, in order to comprehensively improve the management level of enterprises themselves, to achieve to enhance the competitiveness of enterprises. Therefore, information technology planning must follow the scientific method, the actual work process we formed a set of enterprise IT planning methodology.

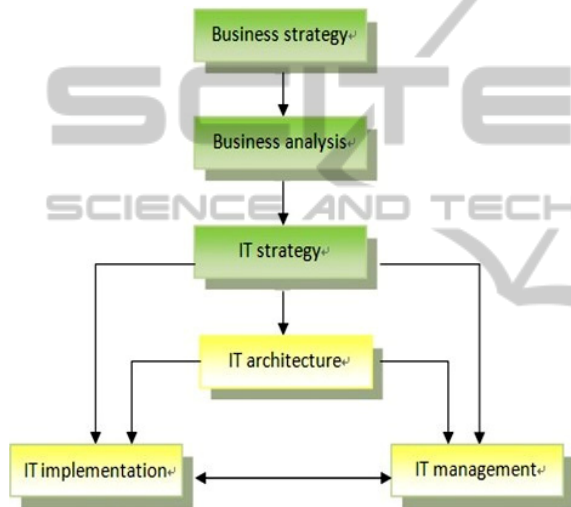


Figure 1 : Methodological framework of information technology consulting.

This methodology is committed to tightly integrated business strategy, business requirements, technical and managerial abilities. In guide of strategies and business around the overall framework of future information systems, in-depth analysis and elaboration of enterprise applications and integration of future integration. Planning on the basis of the information supporting the application software and network hardware systems and security management strategy, and the implementation process and results of the planning are described.

In the consultation process of enterprise management informationization a large number of research data and research questionnaire were generated based on the methodology. Based on the current management situation doing diagnostic analysis of current situation including existing business management, financial management, human resources management, project management,

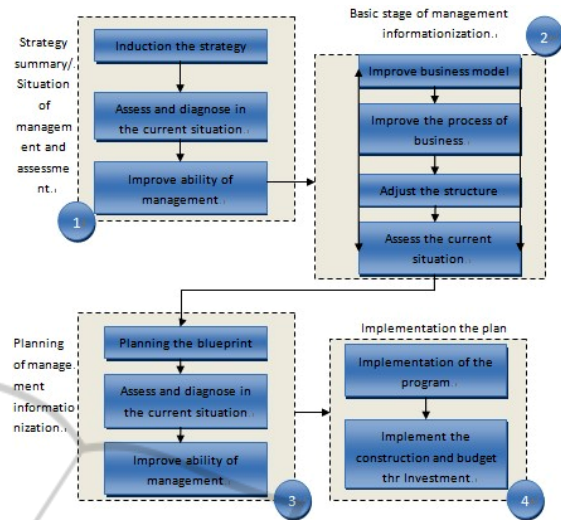


Figure 2: IT Consulting Methodology.

information management find out inadequate management make the management enhance point clear and build a blueprint and a summary of the informationneeds of design.

For instance , during business process to collect and process optimization stage of Huasin Group Corporation, a total of 69 departments were involved 1412 process were teased out 469 of them were optimized processes and instructions described. Ultimately formed a series of reports including plan implementation main report, strategies report, Management diagnostic report etc. This series of reports elaborated necessity of Huasin Group Corporation doing Information Management.

Finally in the full research and analysis of the situation on the basis of Sichuan Huasin Group Corporation Limited, general framework based on SOA of enterprise management informationization of Huasin Group Corporation is given as following:

#### 3.1 One Collaborative Body

Huasin Group Corporation is a scalable coordination enterprise. In one collaborative the need for business integration can be resolved in Internet environment, make the application of various services linked by defined inrerfaces and contracts.

#### 3.2 Two Systems

Design two sets of system, safety system and maintenance system to guarantee the management informationization of Sichuan Huasin Group Corporation Limited.

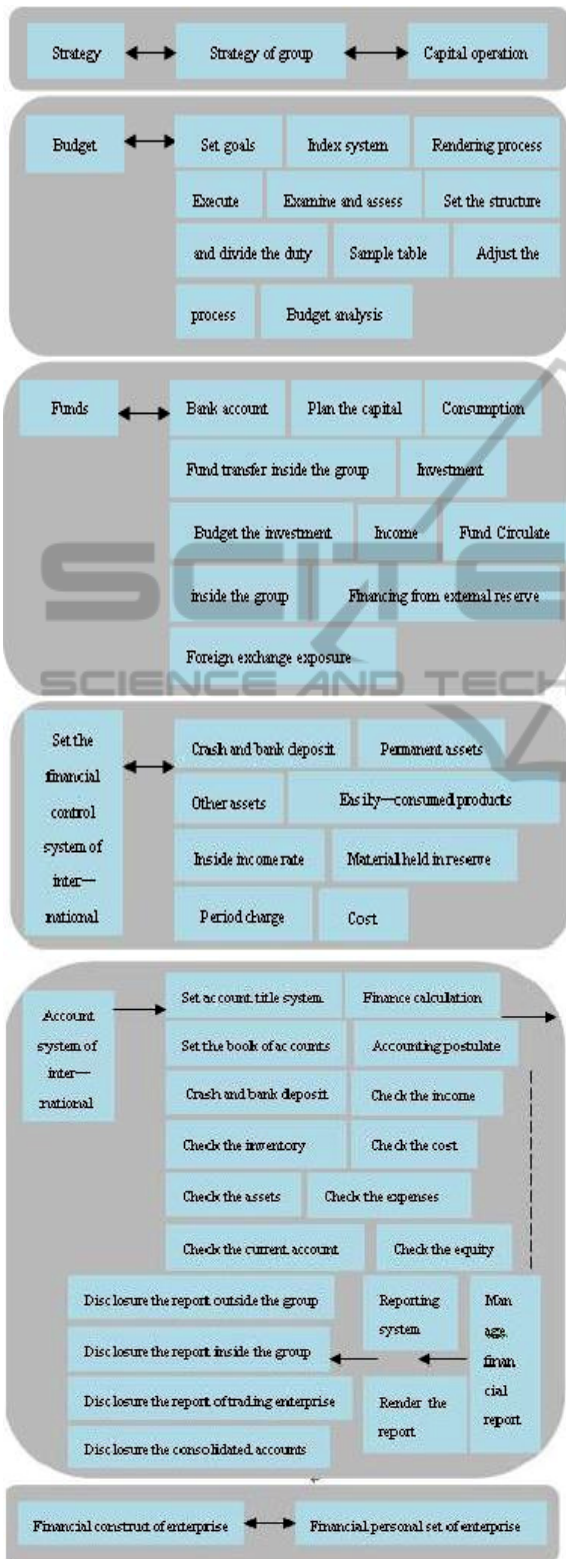


Figure 3 : Construction Group's financial management systems.

### 3.3 Three Platforms

The creation of Hardware support platform, Support software platform and Application system become three foothold of management informationization of Huasin Group Corporation.

Hardware support platform is the basis of the information, support software platform supporting the application of information systems; application platform is Huasin Group Corporation's management information means.

### 3.4 Nine Applications

Application System is the way that Huasin Group Corporation can achieve constructing the management informationization. Huasin Group Corporation has nine applications in the Information systems application platform. There are Project Management, Human Resource Management, Materials Management, Funds Management, Asset Management, Financial Management, Audit Management, Party and Management and File Management.

## 4 CONSTRUCTION AND IMPLEMENTATION

### 4.1 Implementation of Process Control

Designers participants in the implementation process of the whole in order to avoid bias and increase control, they are also involved in the process of signing of the document.

### 4.2 Construction Group's Financial Management System

Financial management solutions finally achieve the centralized management of financial, multi-organization structure management that meets the control requirements of globalization.

Since the solution to support the implementation of accounting standards in different countries. Support different currencies and languages accounting and reporting requirements it avoids a large number of repetitive work over the past.

Through the centralized management of group funds, Huasin Group Corporation controls the flow rate of funds and uses the group funds for the business of the areas of strength.



### 4.3 Human Resource Management System

With a gradual expansion of the Northwest Groups scale, in term of human resource, there are several problems appearing in the management of this group, such as too many organizations, excessively wide region distribution, scattered information, lack of monitoring system and the failure of acquiring whole information of the human resource in the group in time.

While through manual methods or general office software, when maintaining and collecting a great amount of statistics, different parts of the human resource departments fail to manage and maintain the basic data and information conveniently. Therefore, they can't provide accurate and in-time data analysis to help their company decide.

The work of various parts of the human resource departments are focused on the routine processing. Without energy and tools to incent, develop and manage the human resource, people are not able to perform the decesion of human resource management.

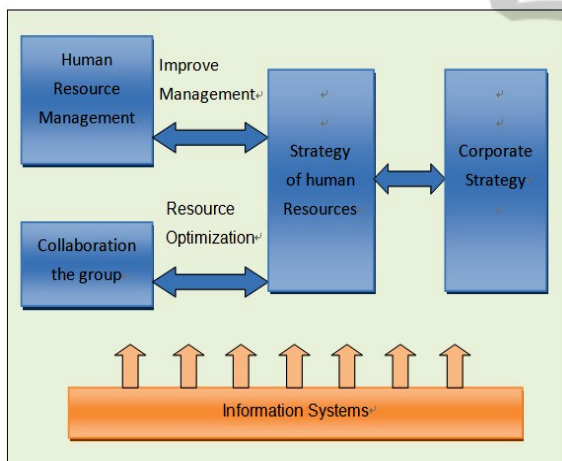


Figure 4: Platform of decision support.

According to situation of Northwest Group human resource management, combined with the analysis result of its constructing feature, the human resource solving project comprehensively optimize the system of Northwest Group huamn resource management by the management of employment, training, self-service, salary, welfare and policy etc.

For instance, "CEO Platform" can provide all-level leaders a platform for making decision. Leaders can inquire various data of statement and analyse the charts through the platform. And they

can have reference for decision by analysing the statistics.

Through the implementation of the human resource system in effective information systems platform, relying on group control, group synergy and information systems to optimize the allocation of resources, people can promote the realization of human resource strategy additionally by promoting the management ability of a comprehensive human resources management. So that the realization of human resource strategy is not only an important parts but also the basic part realization of enterprise strategy.

## 5 CONCLUSIONS

Through the development of constructing the management informationization in construction enterprises groups in recent years, constructing an effective informationization relates to both investment benefits and economic benefits of the construction enterprises groups. It also relates to the confidence in the whole construction industry of constructing informationization. Furthermore, the experience in consulting mode can avoid some potential risks when constructing informationization.

This case shows that the informationization system mentioned in this passage has a scientific building program, advanced applying technology and a reasonable architecture. This kind of informationization system matches the actual needs and future development of constructing the management informationization in construction enterprises. We will continue to the in-depth study of building "consultative implementation". At the same time, we will try to solve problems during the promotional application and make efforts to promote it in a mature way.

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