

# The Mould Management System and Application Based on Agile Supply Chain

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**Abstract.** This article introduced the mold business management informationization superiority and the importance. Then introduced the mold agile supply chain management technology. Proposed a management system. Finally, write out the application of the system.

## Introduction

Although the rapid development of our country, but compared with the demand, in short supply. The gap in the following aspects: precision, large-scale, complex, long-life. In terms of accuracy, longevity, and the manufacturing cycle and the international gap between our country every year to import large quantities of mold. Mold the total in China has reached a considerable scale. And mold production levels below international levels. At present, the development capacity of the plant and the poor economic

Produce the current situation mainly due to a lack of talent and lack of research and development investments. The low level of equipment, mold materials technology is relatively backward. Specialization, standardization, and commercialization of low degree.

## Systematic Significance of Mould Management

If you want to further improve the management level, rapid response and timely ability to adjust, it should be a set of advanced management system to achieve the systematic management. Mold management systematized become the inevitable trend of development and progress of mold industry. Systematic is a bridge of communication between factories and customers. It can help the factory to monitor the progress of the mold. Systematic effective cost control and data sharing.

Therefore, through technologies such as Application INTERNET, ERP technology to IT in the form of fixed, can improve the management level and efficiency..

## Mould Agile Supply Chain Management System

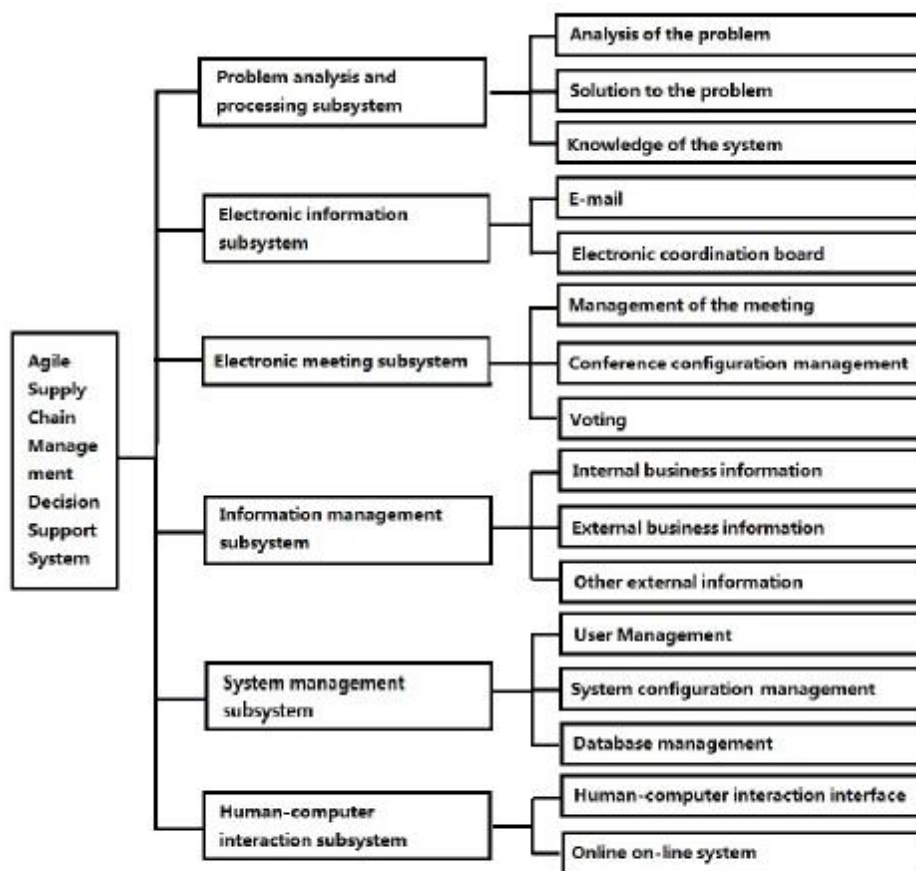
Agile supply chain management research and is a complex process, which involves a lot of ideas and technology. Based on information integration and rapid reconfiguration is one of the two key. Therefore, the model, computing technology, package technology, software refactoring technology, information security is the key.

We propose a support agile supply chain management decision support system. Developed a decision support system based on a combination of Web and CORBA and the application of the system with enterprises as the background.

Agile supply chain management have reasonable geographic and terms of distribution. And it should be reasonable cooperation and competition. It need continuous adjustments to adapt to different operating conditions.

The system is divided into the supply chain to build, run, manage and analyze the construct of three parts. The system is a distributed, the only integrated system. It supports the entire process and support information sharing. Asking it to update the information and support for interoperability, and security systems.

Agile supply system of the support structure shown in Fig.1.



The functional block diagram of the system

Fig.1 The Functional Block Diagram of the System

According to the chart, we can analyze the problem analysis and subsystem is the core of the system. First formed, the problem decomposition, and then solving the resulting tasks. Knowledge Systems for Intelligent Decision Support System to solve the problem .

Electronic meeting subsystem is used to dealing with communication and information exchange. Electronic coordination board to play the role of problem-solving.

Electronic conferencing subsystem is to solve the communication between members of the function.

System management subsystem includes user management, system configuration management, database management.

Human-computer interaction subsystem is to use the Web technology and multimedia technology to provide people a platform to interact.

**Application examples**

Mold company background, to analyze the application of management decision-making system.

Include:

Decision-making process of system building: Company after receiving the order, looking for partners to build the supply chain.

The overall plan of production planning and control decision-making process. The sales department will market information and timely feedback to the enterprise---- mold companies and related manufacturers. Based on this information, in support of the decision-making system, to quickly make a new production plan. Including the adjustment of product structure adjustment of the progress, technical means and resources to change and so on. Each affiliate companies so that timely adjustments..

## **Conclusion**

Agile supply chain management system is a software system to run multiple enterprise distribution and environment. The company wanted the system to adapt to the changing of dynamic alliance. The system can be achieved: Clarify the links and the promotion of joint and through the joint and enhance comprehensive benefits.

Agile supply chain management system is based on global cooperation network based on an advanced manufacturing enterprise management mode. In the network economy, its application can improve their competitiveness. Now, China is in the participation in the international market competition stage. We should adopt advanced manufacturing technology and management ideas for reform. Combination of conditions in China, Research agile supply chain management can provide effective solutions for the enterprise and At the same time, for our country in terms of advanced manufacturing technologies lay the foundation.

## **References**

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