

PLANNING AND AUTOMATIZATION OF REGARDING PRODUCTION SYSTEM AS A PART OF ECOLOGICAL MANAGEMENT

Natalia Yermolenko, Mariia Grygoruk, N.V. Karaeva
*National Technical University of Ukraine "Kiev Polytechnical Institute",
Kyiv, Ukraine*

Different organizations are more interested in determination and announcement of their ecological characteristics by means of controlling the influence of their activities, products or services on the environment according to their ecological policy and purposes. International standards of ISO 14000 series from ecological management provide organizations with elements of effective ecological management system, which have to be a one unit with other management requirements, so organizations can reach their ecological and economical goals [1, p. 195].

Successful implementation of ecological management system requires the participation of all employees of the organization in it. Therefore, responsibilities for environmental protection shouldn't be considered if they limit ecological aspects, because they can be related to other areas of the organization.

The Level of detailed elaboration of documentation should be enough in order to describe the most important elements of ecological management and interaction between them and also in order to provide possibility of management with more detailed information about functioning of specific parts of ecological management system [1, p. 210].

Managers and employees of all such companies are interested in getting information about products, their condition and other quickly. Also their interest is increasing in reaching ecologically clean production. In accounting ready - maid products should be estimated by actual cost, which can be determined only after gathering all costs and calculating. However, there is a need in the daily regard of the presence and movement of ready - maid products and determining their cost characteristics.

They are interested in simplifying and automating process of management and regarding products and also fast acquisition of all necessary data about the product and its components, their properties and possible influence on the environment. Ecological and economic indicators of enterprise functioning are becoming more important for internal and external interested parties.

This system is designed for realization of automatization of management and regarding production. Inclusion of ecological management elements in similar systems can provide getting economic benefits. Also this will help to balance and integrate economic and ecological interests. With using similar systems companies can reach important competitive benefits.

Planning and automatization of regarding production system is a software application for company database managing, therefore its algorithms will be built on the permanent communication with database.

The main and essential databases features are:

- A minimum surplus is allowed for the data, which contribute to their optimal use in one or more applications;
- Independence of data from application;
- Using common mechanisms for searching and updating data;
- As a rule, there are special tools in database for supporting its integrity and protecting from unauthorized access.

Unlike file systems, database is oriented on supporting data for a few applications.

We suggest choosing database management system Microsoft SQL Server for database development, because it is not inferior to analogical developments of Oracle, Informix, Sybase and IBM. A lot of corporations and independent softwear vendors, who create applications for business, chose Microsoft SQL Server as it is one of the best database management systems for Windows NT. Users' needs and requirements are determined significant recovery of products in terms of simplicity of using, scalability and reliability, and also data storage support.

Database of this system has to be designed in such way that it is not adapted only for one specific type of products. That is why proposed system can be used in any manufacturing company, no matter which type of products this company produces. It provides flexibility and universality of this system.

Data processing will be realized by means of programming envelope Delphi 7 (Object Pascal). The main reason for choosing Delphi is that it has excellent tools for work with local and remote databases. Delphi provides ability to create and support local and client-server applications, and also development of applications for work with any type of database management systems.

Development of the proposed software system will help to manage and control production, simplify processes of product regarding and management on enterprises, and also will be able to work with all kinds of products. Therefore, we can make a conclusion that, this problem solution will make work of production companies easier.

References

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