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Analysis of Automation Technology in Electronic Information Engineering

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Abstract: In recent years, the level of industrialization in China has developed rapidly, which also makes the development of automation technology in electronic information engineering more and more mature. Automation technology in both communication and electronic information technology and network production have played a significant role. In the context of the rapid development of modern society, many manufacturing industries in short supply situation, coupled with the rapid development of modern science and technology, and promote the development of automation and maturity, and the previous type of traditional production model is gradually being mechanical automation, because the production efficiency of mechanical automation is far greater than those of the traditional production mode, and the quality of the product has a better guarantee, which is the rapid development of automation technology and the popularity of a major reason.

Key words: electronic information; automation; technology application

Introduction

In the increasingly rich electronic information of today, the automation technology architecture is gradually clear. But in the overall application, there are many imperfections in automation technology. Its' hardware and software system is not enough fit. At the same time, in the network technology to gradually update the case, the electronic information engineering architecture also need to advance with the times. Based on this development, will focus on analysis of automation technology in the use of electronic information engineering design, for future practical work to play a role in reference.

1. The Significance of Application of Electronic Information Engineering in Automation Technology

1.1 To improve the information engineering design to achieve better automation

The application of automated technology can better automate the process of computer and operation, and can effectively reduce the input of human and financial resources, improve the accuracy of information, and improve the efficiency of the work[1]. Therefore, the full application of automation technology to electronic information engineering can accelerate the realization of information engineering design automation, thus completing a lot of repeatability and automatic labor, effectively reduce the staff's own labor intensity, and improve work efficiency. In addition, it can also promote the overall technical level of the designer.

1.2 Makes the level of intelligent control has been greatly improved

Electronic information engineering is mainly the use of modern science and technology to electronic information collection, collation and further control of electronic information systems. In the previous information collection and finishing work is generally through the manual to control all aspects of the completion, and when the application of automation technology to electronic information engineering, automation technology for information processing and control to provide a more convenient way. The introduction of automation technology to electronic information engineering can be computer technology and network technology and scientific integration of

the standard, the change of information and so on to an electronic information engineering design of the intelligent level[2].

2 Electronic information engineering automation reference technology

2.1 Auxiliary office management

For the design of electronic information engineering, the design process involved is more cumbersome, but also there are more design documents, if only by virtue of artificial to organize and analyze these documents, not only will reduce the efficiency of electronic information engineering, but also because of the larger workload and the process is more cumbersome and so lead to more mistakes. But through the full application of automation technology, by taking OA to assist the office software to its design process and the relevant documents, information and other data management, according to the computer can directly make an effective analysis, the corresponding results, to ensure that the design of electronic information engineering can proceed smoothly. In addition, when the design needs to control the probability of the problem in a reasonable range, to ensure the efficiency of electronic information design, to promote China's electronic information engineering design level can be fully developed and improved for our people to improve living standards and Socialist economic construction to lay a solid foundation[3].

2.2 Application of numerical control technology

With the continuous progress of modern science and technology, making many of the things before the phase was eliminated, for example, electronic information engineering automation technology to replace the traditional production model. That is to say, the science and technology required for the automation of electronic information engineering are much higher than the traditional production mode. One of the core of electronic information engineering automation technology is numerical control technology. The numerical control technology not only in the electronic information engineering automation to be applied in many aspects of numerical control technology have played a great role, it can be said that CNC technology is the basis of many modern technologies[4]. CNC technology is through the modern computing technology to send instructions to the production equipment, so that equipment can be received in accordance with the instructions received production. In the development of electronic information engineering automation, it can be said that numerical control technology is the core technology of electronic information engineering automation technology.

2.3 Auxiliary design of the computer system

In the computer aided design, the system structure is mainly (CAM) for the hardware foundation of its overall architecture hardware and software architecture of the combination of each other. In the hardware detection, the main use of the computer system to calculate the corresponding data, but also with the loading and unloading device and the use of processing data on its different data corresponding data processing. Thus making the hardware device system to be holistic data changes. In the software system, which requires the use of computer-aided systems to make the quality of the system prepared to improve the overall. At the same time, in the preparation of the computer scheduling, it needs to use the device changes, the engineering design data for auxiliary measurement. At the same time, but also to do programming control, and let the computer-aided process design, data gradually rich. Application of computer can play a supporting role in manufacturing software, so to a large extent can effectively improve the efficiency of electronic information engineering production, improve the entire design process, making the electronic information engineering design can be effectively validated.

3 Measures to enhance automation technology

3.1 To change the electronic information engineering design method

Because electronic information technology in all walks of life has been widely used, so the major enterprises should strengthen the electronic information engineering design program improvement and optimization efforts. The traditional electronic information engineering design program cannot meet the needs of modern enterprise development, so the enterprise design staff to create a new design, the introduction of foreign advanced science and technology, bold innovation. Through continuous innovation and improvement of electronic information engineering technology design, not only can promote the electronic information engineering enterprise's good development, but also let people directly feel the electronic information engineering created by the great value.

3.2 To achieve information resource sharing

Automation technology in the electronic information engineering resources sharing process has played an irreplaceable role. Electronic information engineering information management personnel can design new management methods, create a new management model, based on the practice of innovation, the use of automated technology to achieve the sharing of electronic information between the resources for electronic information engineering to create a broad exchange of information platform. Information organizers can use advanced computer network technology to control information and exchange information with each other, so as to achieve the sharing of information resources, improve the overall level of electronic information engineering[5].

In short, the application of automation technology in electronic information engineering is very important. In the process of the application of automation technology, the first need to use a variety of different ways of information engineering automation system corresponding optimization. And then enrich the automation content, so that the direction of automated design in the information engineering more clearly. And finally to strengthen the computer's auxiliary design and auxiliary office management. So that the automation technology in the electronic information engineering application efficiency has been improved in all directions.

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