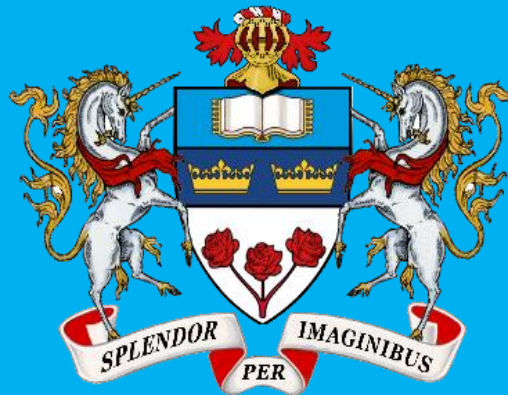


Enterprise 4.0 Management Standards

Intelligent Management System Guidance Standard



GLOBAL ACADEMY OF INNOVATIVE ENTERPRISES

全球創新企業學會

INDUSTRY 4.0 STANDARD SERIES

Introduction

"Enterprise 4.0 Management Standard[®]" is the world's first management standard related to Industry 4.0, which helps enterprises and organizations to translate the principles of Industry 4.0 into effective actions to promote sustainable economic development, so that achieving the vision of a Smart Organization.

Also known as the "Fourth Industrial Revolution", mainly uses Smart Technologies to promote enterprise innovation and process reorganization, and greatly improve productivity, such as artificial intelligence, big data, blockchain, and the Internet of Things. Enterprise innovation, technology is not an end in itself, but a means to improve productivity.

Industry 4.0 promotes the transformation of society, economic technology and work, thus affecting the competitive environment of global enterprises, and the widespread application of intelligent technology requires the integration of all systems, thus requiring a management standard.

"Enterprise 4.0 Management Standards[®]" provides a set of management principles and frameworks to help companies set up a "Smart Management System" to achieve the vision of a smart organization.

Features of Enterprise 4.0 Management Standards

In the face of global competitive pressure, companies must continuously improve their products, services and operational processes in order to achieve sustainable competitive advantage. In the past, the competitive advantage came from quality, but the new competitive advantage comes from "Innovation", "Speed" and "Connectivity“.

In addition, new challenges and risks (such as the global Covid-19 epidemic) have changed global economic and trade activities, and companies must undergo "Digital Transformation" in order to continue to grow in the new reality, and "Enterprise 4.0 Management Standards" has the following characteristics:

- ❑ Based on digital processes, assist companies in process reorganization;
- ❑ Promote one-stop management solutions to solve customer problems;
- ❑ Manage supply chain and customer demand more effectively;
- ❑ Establish a framework for performance management for the enterprise;
- ❑ Use simple language and writing style to facilitate understanding and interpretation of standard requirements;
- ❑ Minimize technical terms and technical theories, and focus on action plans to facilitate management involvement.

Management Principles Of Intelligent Organizations

"Intelligent organization" is to use the organic combination of intelligent technology and enterprise processes to automate routine activities, so as to put resources (manpower, material resources, energy, materials, etc.) into value-creating activities, thereby saving a lot of costs and improving efficiency. Therefore, it is different from traditional management principles.

□ Interoperability

Try to connect everything, including systems, processes, software, hardware, etc., to improve immediacy.

□ System Thinking

Think in terms of wholeness, dynamics, because the function of the system is the result of the "interaction" of components, not the result of addition.

□ Zero Trade-off Rule

Enterprise performance is not a trade-off between cost and performance, but a zero-trade-off rule. Through the improvement of interactive capabilities, zero paper, zero delay, zero inventory, zero waste and zero customer differentiation (large-scale objectification) can be achieved.

Management Principles Of Intelligent Organizations

□ Scalability

Intelligent technology can adjust system resources and hardware as market demand increases or decreases, saving unnecessary fixed investment.

□ Sustainability

Through the recycling of resources, enterprises can save a lot of resources and reduce emissions to society and the environment.

□ Decentralization

Intelligent systems can automate and network routine activities, decentralize decision-making from central authority to employees, and reduce delays in corporate decision-making.

□ Virtualization

In order to provide execution efficiency, enterprises can build a virtual operating system based on software, which not only accelerates the operation of the process, but also saves a lot of costs.

Intelligent Management System

"Enterprise 4.0 Management Standards[®]" is to help any business, regardless of size or category, establish a "Smart Management System" to ensure that the organization can meet the products and services required by the market.

At the same time, the intelligent management system is based on a set of smart policies, goals and processes. Through the intelligent operation of the organization, it ensures the performance and continuous improvement of the system to achieve innovation, flexibility, efficiency and immediate competitive advantage.

In the process of establishing an "intelligent management system", enterprises can obtain the following benefits:

- ❑ Build a culture of wisdom awareness and improve the participation of all staff. Strengthen the centripetal force.
- ❑ Develop unique, object-oriented products and services to enhance brand value.
- ❑ Reduce delay costs, waste and customer complaints.
- ❑ Improve management efficiency through system integration, reduce departmental barriers and reduce duplication of work.
- ❑ Break through market barriers, step into global supply chain opportunities, and expand global markets.