

study on the introduction of SECI for safety management in Taiwan's  
semiconductor integrated circuit industry

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### Abstract

In knowledge economy era, the major driving force for creating value is from the energy of knowledge. Who can seize knowledge and manage knowledge, who can own the competitiveness. According to a study, most of the knowledge of an enterprise is the hidden knowledge existed in the brains of the employees, which can not be recorded systematically. Next, even if it can be written into document, the search and reading of it is very tedious, which causes a barrier to the knowledge diffusion. Semiconductor industry is a capital intensive, manpower intensive and knowledge intensive high tech industry, and the high production value of integrated circuit has made the contribution of semiconductor integrated circuit industry an important role in the entire economic development of a country. However, high tech is also accompanied with its high risk, hence, the main objective of this study is to apply knowledge management SECI model to reinforce safety management architecture and to set up a more effective safety management knowledge platform.

Keyword : safety management 、 knowledge management 、 SECI