

Fullconn Industry

Integrating information and processes with ENOVIA



Overview

■ Challenge

FCN needed to ensure fast and accurate sharing of product data among departments located in Taiwan and China.

■ Solution

FCN selected ENOVIA for its strong integration capability, solid foundation and high degree of flexibility.

■ Benefits

With ENOVIA, FCN now has an automated information platform that facilitates communication by enabling departments in both countries to access and share accurate product development information.



“ENOVIA helps us to preserve valuable knowledge from each project and to accumulate technological capabilities and product design know-how of machine parts. This brings us a clear competitive advantage.”

Tom Liu
Chairman, Fullconn Industry

FCN[®]

Making precision and tailor-made connectors

Established in Taiwan in 1997, Fullconn Industry Inc. (FCN) manufactures connectors for information technology (IT), consumer electronics, and communications products. With 400 employees in Taiwan and China, it designs and produces connector products tailor-made to customer requirements.

Paper-based communication challenge

A critical success factor in the connector business is strong R&D capabilities for innovative, high quality products that can be produced at lower costs with shorter manufacturing cycles. To achieve this, FCN moved its production facilities to China while maintaining its R&D and management centers in Taiwan.

This dispersion of sites resulted in challenges managing R&D activities and production processes. Multiple versions of paper-based product data were circulating around the company, making

accuracy and timeliness of information a major concern. Employees were looking for documents but not necessarily from the right people. Information often ended up in the wrong hands resulting in reduced efficiency, performance, and morale.

ENOVIA provides integrated platform

FCN needed a fully automated information platform to solve the problems of data collection and preservation, and to effectively integrate its multi-site production process. Regardless of organizational or personnel changes, the company wanted to be able to accumulate all project experience and integrate the engineering platform with its enterprise resource planning (ERP) system.

After careful evaluation, FCN chose an ENOVIA product lifecycle management (PLM) platform for its strong integration capability, solid foundation, and high degree of flexibility. It was also satisfied with Dassault Systèmes' experienced



team who provided professional consultation and implementation services, and addressed FCN's specific problems and needs.

Automated platform enables unimpeded communication

Following the successful implementation of ENOVIA, accurate and detailed project management information is now available to those who need it. This helps to solve problems such as timing errors and inaccurate information resulting from manual operations. The new platform provides seamless communication and substantially reduces issues associated with document transfer and conflicts.

"ENOVIA helps us to preserve valuable knowledge from each project and to accumulate technological capabilities and product design know-how of machine parts," said Tom Liu, chairman, Fullconn Industry. "The aggregate results of R&D can then bring higher profits for the company and keep us well ahead of our competitors in terms of R&D progress."

Sales staff can access information, such as parts numbers from the integrated system instantly, enabling them to easily prepare reports for customers. With more accurate information, R&D staff can make better decisions when developing products.

Better control of work progress

ENOVIA's functions-cross-departmental data integration, holistic project information search capability, and intelligent categorization use correlation-have allowed staff involved in each process to work closer with one another, reducing communication gaps between FCN and its customers, and within the company.

"Sales staff can check the price and cost of products and obtain product data to secure more orders," said Liu. "With access to timely information, the management team can better resolve problems that have reoccurred in the R&D process."

Project managers can keep abreast of their project's progress through a web-based interface. Valuable experience garnered regarding technological capability and product design ability for machine parts can be preserved. The end results are higher profit and competitive edge in R&D.

Protection of confidential information

Each user has access to different sets of information based on job responsibilities and level of authority. This protects the company's information and reduces the risk of misuse of intellectual property (IP). At the same time, customers are also assured that their IP rights are protected.

Extending solution to China plants

FCN plans to expand its document management and project management systems to its plants in China for effective multi-site management and delivery of reports, and integration between PLM and ERP. This will establish an effective automated information and data verification mechanism.

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Dassault Systèmes
10, rue Marcel Dassault
78140 Vélizy Villacoublay – France
+33 (0)1 61 62 61 62

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