IDE Technologies improves information flow with ENOVIA V6

IDE Technologies Ltd. uses ENOVIA Version 6 (V6) to manage its engineering processes and data and to render this information available to various departments in the company. Easy, secure access to a ‘single version of the truth’ will provide employees, suppliers and partners with the most accurate and up-to-date access to a ‘single version of the truth’ will provide employees, reducing costs and ensuring data integrity from the design office all the way to the construction site.

Solving the world’s water needs is a global challenge. It can take many forms: providing safe fresh water to the more than one in six people around the world who lack this basic requirement1, equipping water-intensive industries with systems to process their waste water, satisfying the cooling needs of mining installations, or even bringing snow to ski resorts dealing with reduced snowfalls and warmer weather.

Proposing innovative solutions to solve these challenges is IDE Technologies’ goal. Faced with diverse customers’ needs, and to ensure prompt and successful delivery of its solutions to its customers, IDE Technologies had to reassess and streamline its engineering processes. “With the exception of our design tools, our engineering processes were not up to par, which often forced us to perform many of our activities manually,” said Lizi Gottesman, IT Manager, IDE Technologies.

The company’s project methodology has improved since IDE installed ENOVIA V6, avoiding misunderstandings between the design department and the engineers working at the construction site. “Designs are now stored in one location, making it easy to find the right information, at the right time, by the right people, reducing costs and saving time,” Yaish said.

IDE Technologies Services Israel and Dassault Systems’ partner Technia managed the implementation of ENOVIA V6 at IDE Technologies. Dassault Systems partner YAEL Software and Systems managed legacy data input and training.

RAPID IMPLEMENTATION
In only seven months, ENOVIA V6 was deployed in departments including engineering, purchasing, manufacturing, planning, and maintenance, and all with a minimum of configuration. “We basically used the system out of the box,” said Jacky Bon Yaish, Engineering Manager, IDE Technologies. “What we did customize was linked to the way we work with our homegrown legacy ERP system that we have been using for years.”

All parts, as well as the specifications and drawings related to some of its main ongoing projects, were transferred from its ERP system to ENOVIA. “Service personnel have seen major improvements when at a customer site,” Yaish said. “With only an Internet connection, they can access drawings and specifications related to a customer’s installation. This makes maintenance smoother.”

With ENOVIA V6, IDE Technologies can define its engineering processes using workflow management capabilities to model repeatable business practices and eliminate non-value-added activities. The company plans to improve its ECO-ECR cycle time by using ENOVIA V6 to measure the time it takes to transform an ECR (engineering change request) into an ECD (engineering change order).

IMPROVED DESIGN RE-USE
With all data residing in ENOVIA V6 and no longer stored in different computers, finding information pertaining to designs that were completed up to ten years ago will no longer be a problem. “With ENOVIA, design re-use will be possible, reducing development time considerably,” Yaish said. “Dispersed project information also made it more difficult to provide management visibility into a project’s status in terms of planning, resources and costs. Now anyone in the company can access and share information and work together more efficiently.”

ENOVIA V6 enables IDE Technologies to be more accountable to prospects and customers by demonstrating clear and organized project management and rapid access to data. “Delivering a plant on time and meeting required specifications is a major competitive advantage and illustrates to our customers that they are in good hands,” Gottesman said. “It shows that we are a reliable and serious partner.”

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IDE Technologies
IDE Technologies is a world-leading desalination company. Since 1965, the company has built 400 desalination plants in 40 countries worldwide, with a cumulative installed capacity of more than 2,000,000 cubic meters (528 billion US gallons) per day. IDE’s technologies for optimized, high-end thermal and membrane (reverse osmosis) desalination are recognized as among the most advanced in the world. The company designed, built and currently operates the world’s largest SWRO desalination plants. Its customized desalination plants provide high-quality water for use in industries, mines, refineries and power stations, as well as for drinking water and agriculture. IDE is jointly owned by two of Israel’s largest industrial enterprises: IC Group (50%), one of the world’s leading fertilizer and specialty chemicals companies, and Delek (50%), the leading energy and infrastructure group based out of Israel.

IDE Technologies improves information flow with ENOVIA V6

By Dora Laîné

Since we use multiple CAD systems such as AutoCAD and Inventor for our design work, we chose ENOVIA V6, the solution that presented the best multi-CAD integration capabilities.

Lizi Gottesman
IT Manager, IDE Technologies

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