



# IDE Technologies improves information flow with ENOVIA V6

By Dora Laine



Image courtesy IDE Technologies Ltd.

*Hadera, Israel, 127 million cubic meters (27.9 billion US gallons) per year: the largest operating SWRO (Sea Water Reverse Osmosis) desalination plant worldwide.*

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 information, reducing costs and ensuring data integrity from the design office all the way to the construction site.

**S**olving 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 requirement\*, 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," Goessman said.

### ROBUST MULTI-CAD PLATFORM

In order to achieve its goals, IDE Technologies needed to implement a reliable platform that would unite all data from its engineering activities and manage its processes. "Once we decided to adopt a PLM solution, we took the time to define all our needs and to compare the different systems available on the market," Gottesman said. "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."

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**Lizi Gottesman**  
IT Manager, IDE Technologies

Dassault Systèmes Services Israel and Dassault Systèmes' partner Technia managed the implementation of ENOVIA V6 at IDE Technologies. Dassault Systèmes 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 Ben 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-add 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 ECO (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."

For more information:  
[www.ide-tech.com](http://www.ide-tech.com)  
[www.3ds.com/industrial-equipment](http://www.3ds.com/industrial-equipment)

### 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: ICL 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.

\*Source: World Health Organization (WHO) and United Nations Children's Fund (UNICEF) Joint Monitoring Program on Water Supply and Sanitation (JMP)