

Industrial machinery and equipment

UTTIS

Romanian industrial equipment supplier heats up design re-use and productivity, decreasing time-to-market from 8 to 5 months

Product

Solid Edge

Business challenges

Speeding up product design

Controlling resources and costs

Raising productivity and efficiency

Keys to success

Implementing consistent processes

Re-using design information effectively

Results

Reduced time needed for design changes by 27 percent

Decreased time-to-market from 8 to 5 months

Increased ability to design complex products

Using Solid Edge, UTTIS has reduced design errors by 27 percent

Heated market

UTTIS is Romania's leading industrial heating equipment manufacturer, providing turnkey systems for heat and thermochemical metal treatment used in the production of automotive parts, fasteners, industrial machines and metallurgical equipment. Engineering and manufacturing processes and numerical control (NC) programming are performed in-house.

UTTIS customers include Ina Schaffer, SKF, Timken, Bodycote, Voestalpine and Schneeberger. The partnership between UTTIS' specialists and the research community has led to creation of the Heat Treatment and Surface Engineering Association (ATTIS), an organization that helps develop and promote new heat treatment technologies.

In the past, design information at UTTIS was often re-used in the development of new products, while documents were generated from past designs such as bills of materials (BOM's) and manufacturing or assembly drawings were used in manufacturing or inventory management. However, re-using information from previous projects often led to an unacceptable number of errors.

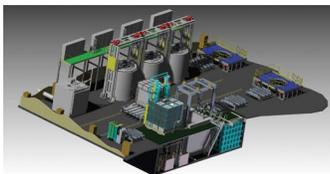


The need to replace the company's former design software solution with a more permanent solution arose from cost reduction considerations. At the same time, there was a new focus on reducing errors throughout the design process, from document management through production.

In addition, there was the need to meet quality standards and to work more closely with foreign partners. This resulted in the



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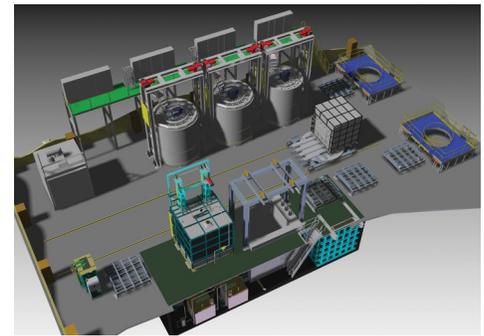
Prof. Dr. Leontin Drugă
Member of the Romanian
Academy for Technical
Sciences
UTTIS

need for a powerful 3D design software solution to help manage design documents, make design data available to all authorized users and enable collaboration between ATTIS and UTTIS.

Continuous improvement

The goal of continuous improvement of products and technologies, along with an evolving market, led the company to adopt Solid Edge® software from Siemens PLM Software to help more efficiently manage complex processes and resources.

“Solid Edge is a revolutionary technology for design engineers,” says Prof. Dr. Leontin Drugă, Member of the Romanian Academy for Technical Sciences, at UTTIS. “Due to its design interface, Solid Edge is



superior to other CAD (computer-aided design) software systems and is very user-friendly with its Windows-compatible menu. In addition, the command set includes everything that a design engineer needs. This enables our technical team to speed up design cycles and reduce errors.

“It takes time to develop new, high-quality equipment and machines that comply with local and global standards. Engineers are now able to optimize new designs, address compliance requirements and significantly reduce time by using Solid Edge.”

The efficient management of daily changes is also enhanced by the use of Solid Edge with synchronous technology, resulting in a 27 percent reduction in the time needed for design changes.

Solutions/Services

Solid Edge
www.siemens.com/solidedge

Customer's primary business

UTTIS is a leading industrial heating equipment manufacturer, providing turnkey systems for heat and thermochemical metal treatment used in the production of automotive parts, fasteners, industrial machines and metallurgical equipment.
www.uttisheat.com

Customer location

Vidra, Ilfov
Romania

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Member of the Romanian
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UTTIS



Each project is a new challenge, but innovation is a way of life for UTTIS. The engineering team is a core of senior researchers who have innovation in their DNA. Effective design management as well as capturing and exploiting knowledge has led to the growth of the company's intellectual capital and enabled the training of a new generation of specialists.

The high level of complexity of UTTIS products requires interdisciplinary team

collaboration. Solid Edge has helped streamline teamwork and increased research and development (R&D) productivity. The time to launch new projects has been reduced from 8 to 5 months.

Solid Edge also enables UTTIS to render realistic 3D representations of product designs to help customers see in advance exactly how products will look and perform.

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