



**B**E&K International is a renowned global provider of engineering, construction and maintenance services. The company's European division, BE&K Projekt Ltd, decided to start using Cadmatic in 2007 for 3D plant design in order to meet contemporary quality standards and tight schedules of complex processes. BE&K's clients are found in capital-intensive industries worldwide. The European division focuses on project services, principally for the pulp and paper industry, paper conversion, the chemical industry, the power engineering industry and environmental protection. The company was founded in 1972 in the USA. It has since grown into one of the largest engineering and construction companies in the USA and Europe and serves industrial construction and engineering markets.

BE&K's mission includes offering innovative and creative technology and management

## BE&K Projekt Ltd implements Cadmatic

systems to its customers, from conceptual design through to the full life cycle of projects. Embracing the efficiencies of 3D design systems and transferring it to their clients is an example of this offering. In order to achieve its development goals, the company required a 3D design system that was user-friendly and compatible with their previously used AutoCad and Inventor programs. Cadmatic News spoke to Managing Director Slawomir Suchon from B&EK, about their reasons for choosing Cadmatic and how they have implemented the software in their daily work.

"It was important to us that our engineers could concentrate mainly on the design process itself while using the new system. We wanted to avoid the excessively long

learning periods usually associated with such programs and their system management. The Cadmatic software seemed to fulfill all our requirements perfectly. Our selection of the Cadmatic system was greatly influenced by its ability to link with laser scanners and SAP, which we plan to use for our maintenance needs at our biggest client in the near future," Mr Suchon explains.

### How was the system implemented at BE&K?

"In order to exploit the 3D Cadmatic system to the full, we decided to create a separate network system with its own server. Purchasing the new professional server and modern work stations improved the effectiveness of our work and our data security. We can now take advantage of fast internet connections to grant access to the office database and the Cadmatic model from anywhere in the world that has an internet connection. It is not only our

engineers that value the new design technology. Our clients find that the work effectiveness translates directly into the ease of equipment, building and piping modeling. The Cadmatic system has great



BE&K Design Team in Poland

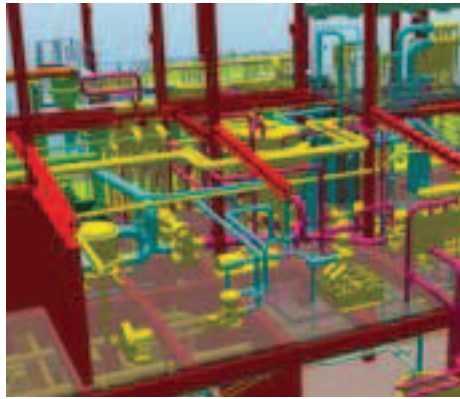
flexibility when making material specifications. This is particularly important when many independent objects exist in the model. We can create the isometric drawings quickly and according to the project needs. The connection between the P&ID's and the model eliminates the possibility of errors and the collision control feature allows us to find errors already in the early engineering stages," Mr Suchon points out.

#### **How have your clients accepted your new way of working?**

"Our pilot project client appreciated the easy access provided by the eBrowser application. They were extremely satisfied with design reviews, which provided direct insight into the model-forming process. It also improved the effectiveness of engineering meetings and project presentation and introduced changes that made the erection work much easier. Regular reviews of the model together with a future user allows for the optimization of particular solutions from the investor's point of view, while taking into consideration the preferences of the user with regards the use of an installation," Mr Suchon adds.

#### **What kind of training did you receive and in what timeframe did you implement the software?**

"The good cooperation between the supplier and the vendor of the system, PBSP from Gdansk, meant that we received training that was suitable to our needs. Our project engineers become effective users of the new program in less than four weeks. The



BE&K 3D model

first pilot project confirmed that we were right in choosing the Cadmatic system," Mr Suchon reveals.

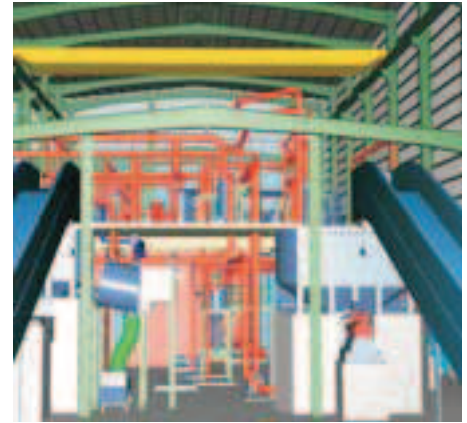
#### **What kinds of projects have you completed with Cadmatic?**

"Our first pilot project with use of the new system was done for a Polish investor, Polpak-Karton. The scope of investment included the complex construction of a greenfield paper mill with three main objects: a paper machine, a waste paper preparation plant and an effluent treatment plant. The Cadmatic system allowed us to complete the complex multi-branch project in less than twelve months. The construction work has been completed and the start-up of the installation was fast and without any significant problems. Our next project is the modernization of an existing approach system installation. We count on it that the Cadmatic system will be an equally effective partner for our project engineers this time too," Mr Suchon concludes.



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## **Kadant in France Uses Cadmatic for Global Projects**



*Cadmatic has gained a significant new customer in the pulp and paper sector in France, Kadant Lamort SA. It is part of Kadant Inc., which is a leading supplier to the global pulp and paper industry. The Kadant name has only existed since 2001, but many of the businesses in the company's portfolio have been serving customers in the pulp and paper industry for more than a hundred years.*

The company's products include paper machine accessories, and systems for stock preparation, fluid handling, and water management. It is a worldwide leader in supplying systems that effectively process fibers to produce high-quality white and brown grades of paper.

Kadant Lamort SA (Kadant) is located in Vitry-le-François in the north-eastern part of France. It is Kadant Inc.'s European center for stock preparation for virgin and recycled cellulose fiber used in packaging, printing, tissue and special grades. The stock-preparation business was established in 1908 and focuses on the development, manufacturing, marketing and servicing of equipment and systems internationally.

The company has been a Cadmatic customer since 2007. Kadant is currently doing its third Cadmatic project after completing a Russian tissue paper mill and three stock preparation lines for Saigon Paper in Vietnam.