

TEC Inox

Custom-built solutions become more effective with Castor Concept FEM

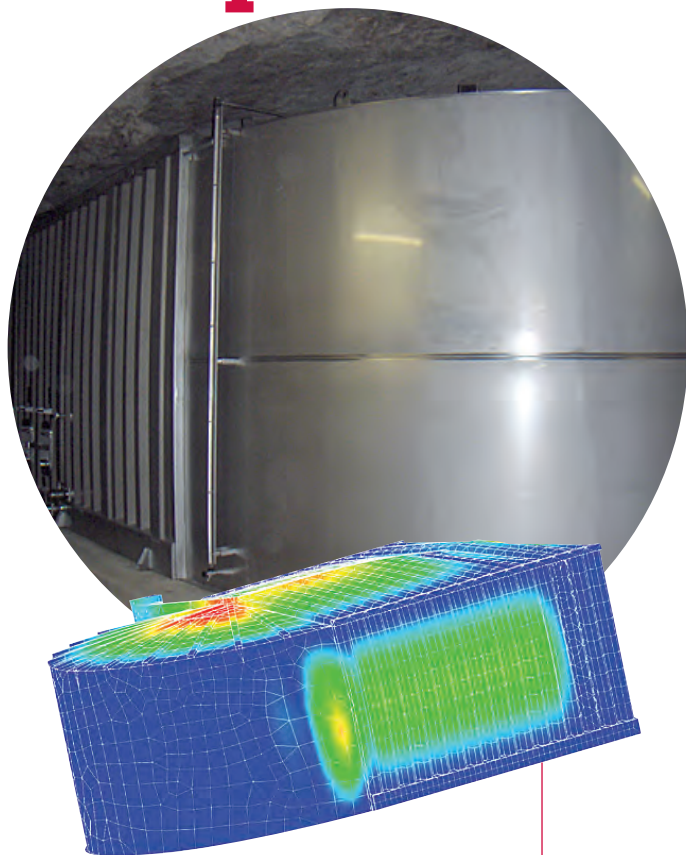
By adopting Castor Concept FEM, TEC Inox not only accelerated its production process but has started designing more complex vessels and tanks.

As a company specialized in the construction of stainless steel tanks, TEC Inox wished to refine the construction of structural elements of its tanks, thanks to the new finite-elements computation softwares offered for sale. Having analyzed the products, it chooses finally Castor Concept FEM, Cetim's software intended for design departments, which allow to dimension and optimize mechanical structures and components (modeling, analyzes, etc). "The choice was rather easy, explains Frédéric Sautel, in charge of the design department. *Castor Concept FEM is extremely simple to use and offers the best quality/price ratio. As a*

customer, we benefit also from Cetim's expertise for checking and analyzing computation reports."

Safer and more complex tanks

And the results appeared quickly ! After a short training on simple structures (i.e. tank supports), the company soon confronted itself with more complex achievements. It thus worked out and built a tailored 250 m³ tank for wine storage. "Our customer wished us to build and set up in one of its cellars a tank being as large as possible, says Frédéric Sautel. Thanks to Castor Concept FEM, we quickly designed an oblong tank of 15 x 6 m which adapts perfectly to the available space



in this cellar. The software enabled us to carry out the dimensioning computation of the tank's walls, to determine the best possible construction method and to prepare the estimate without delay. The whole computation report was moreover checked and validated by Cetim."

And everyone wins !

The customer thus acquires quickly a complex product offering safety and conformity with Codap®; the manufacturing company, in addition to the development speed, achieves notable savings on raw materials.

OUR CUSTOMER

Corporate name
TEC Inox

Activity
Established at Le Coteau in the Loire, TEC Inox manufactures stainless steel tanks for the food industry and other sectors

Sales turnover
8 million euro

Workforce
60 people



Cetim's asset

Cetim assists the companies, helping them in designing their products through :

- specific simulation and computation software for each trade;
- teams of developers and trade experts who create or adapt a software to each particular request, under the best conditions.