



Florin AG, Muttenz

“By designing new plants or modifying existing plants with CADISON®, we can avoid possible assembly errors or collisions. In addition, it is possible to order all required parts & components in the correct quantity and specifications. This also saves us a lot of time!”



Crude fat-storage tank designed with CADISON®

#### CADISON® Modules installed in Florin AG

- Visio P&ID – Process Designer
- 3D-Designer
- Isogen

#### Smart Engineering Tool for Refined Oils & Fats

Florin AG is an independent Swiss family run company with about 130 employees. As the largest manufacturer of vegetable fats in Switzerland, it is the ambition of the company to provide premium quality products. The management is convinced that the best quality level is achieved when all production steps are under one roof and everything is produced in the Muttenz location itself. As the only manufacturer of fats in Switzerland, Florin AG has control over all aspects of the product development, production and distribution, right from the extraction of raw materials through to the delivery of oils, fats, and margarines with guaranteed freshness.

The company invests several millions of Swiss Francs yearly in modern logistics, production plants and storage capacities. Florin AG can deliver most of its products to customers ‘just in time’ and meet the growing demands of the market with special new solutions.

#### Command Over Diversity in the Plant Technology

In addition, it also added the new crude fat storage tank recently brought into operation. It is used for temporary storage for various crude fats for further processing in the refinery. Each of the eight tanks has a capacity of 40 m<sup>3</sup>. The crude fat is stored at a temperature between 60°C and 80°C depending on the origin, thus the fat remains fluid and can be delivered for refining on demand without delay.

The storage tank was designed by Vitali Fischer. As a designer and project lead in the company, he created the basic P&ID diagrams for every engineering project with Visio P&ID-Process Designer and continues with CADISON® 3D-Designer for further plant design.

This fully integrated multi-disciplinary engineering tool was selected considering the diversity in the plant & equipment engineering in Florin. The company is proud of its industry-wide unmatched vertical integration.

Another speciality for a plant designer in Florin is the different filling machines and package sizes (bottles, bibox-containers, high rack warehouse, etc. to huge crude fat storage tanks). The company who can provide such an impressive in-house production depth and variety in packaging as a quality feature itself, must also have an equally efficient planning tool.

### **CADISON® Modules Save Time and Costs**

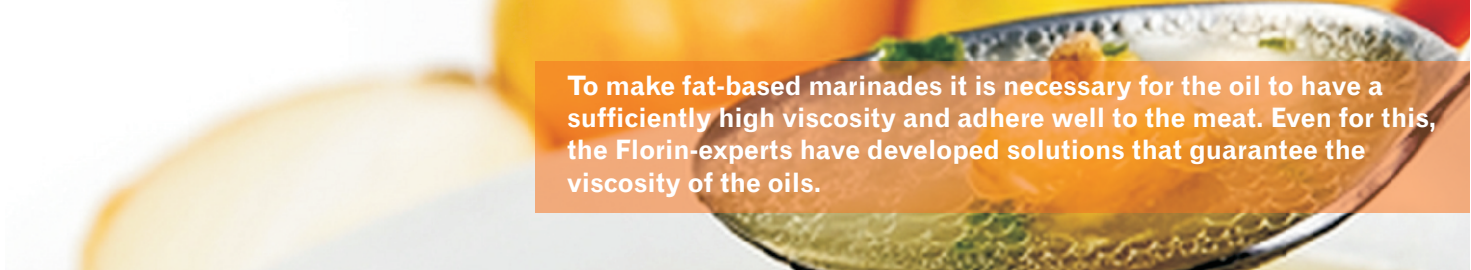
What differentiates CADISON® from other design tools? The tool was not developed by software developers as a pure CAD-Tool, but as an object-oriented database driven engineering solution. All project data is automatically and immediately available in different disciplines, such as P&ID, 3D-Piping, isometric generation, automatic report generation, etc. through the integrated database.

Vitali Fischer "I also work regularly with the CADISON® tools like 'Tank Assistant', 'Nozzle Assistant' and 'ISOGEN'. With these modules, I can create and edit 3D-Vessels and 3D-tanks in a short period of time." Other requirements such as sections, elevations and perspectives are automatically generated and offer a high degree of support. After positioning the tanks or pipes in 3D-design, the piping design can later be easily continued on the intelligent nozzles. "And the highly practical tool ISOGEN generates automatic piping isometrics after creating the sketches which is subsequently used for production in the workshop" said Fischer. The simultaneous creation of piping plans and isometrics is a substantial advantage according to Vitali Fischer's experience. Currently, he is designing a plant expansion with CADISON® which is planned to be completed in two years.

**CADISON® combines the entire engineering workflow in one system. The tool supports users through its high flexibility to adapt their own workflow as well as catalogs, which can be modified quickly and efficiently to meet the company standards.**



**"In my opinion, CADISON® is currently the best CAD/CAE system for plant design for our industry in the market." (Vitali Fischer, Florin AG).**



**To make fat-based marinades it is necessary for the oil to have a sufficiently high viscosity and adhere well to the meat. Even for this, the Florin-experts have developed solutions that guarantee the viscosity of the oils.**