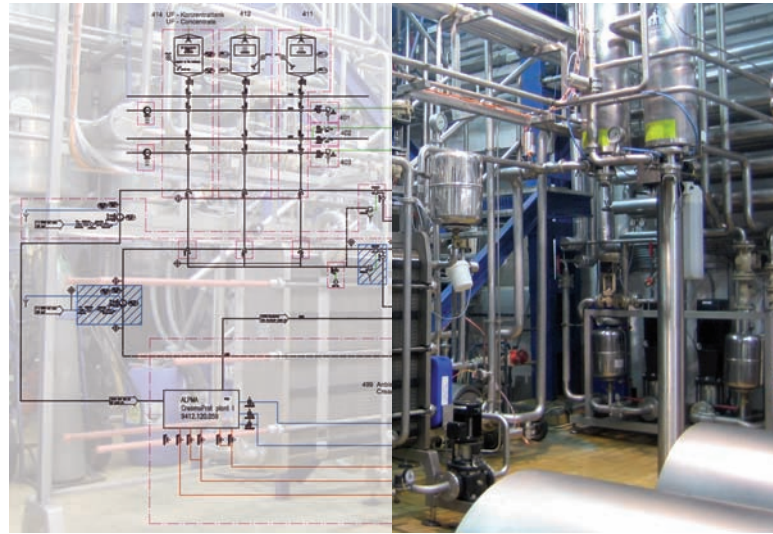


LTH Dresden was founded in 1949 as a specialist company in the areas of stainless steel processing and plant engineering for the foodstuffs industry. In 1990 the company was acquired by ALPMA Alpenland Maschinenbau GmbH in a shares deal. Today LTH Dresden has a workforce of 50 employees. Eleven engineers from the Process Technology and Mechanical Engineering divisions develop proven solutions for customers in the foodstuffs industry and related sectors that include companies like Berglandmilch Austria, Wimboldan Russia, Mail South Korea, Kraft North America, Rucker and Müller Milch, Germany.



*An LTH specialty: CreamoProt plants for the production of microparticle whey proteins.*

## Project: Lafarm (Greece)

## Industry: Plant Engineering / Foodstuffs (creamery)

Project	CreamoProt plant for manufacturing microparticle whey proteins. The process consists of three essential phases: specification of the required protein and lactose values of the whey using ultrafiltration, aggregation of protein concentrate through warming, heating and heat retention, and finally targeted particulation and cooling.
Project value	€ 300,000
No. of components No. of metering points	70 20
Engineering hours	Initial project: 100 hrs / follow-up project: 40 hrs
Areas of activity	Planning, purchasing, assembly, commissioning
Engineering hours saved in follow-up project	60%
Cost savings in overall planning	20%
Creation of proposal	2 min

### The challenge

Automatic data synchronisation of planning changes – for the engineers at LTH Dresden this was the decisive factor in 2004 for choosing CADISON. Andreas Hiegelsberger: "We were looking for a tool that would compile all of the components of a drawing into one calculation list."

In planning for complex machine rooms or complete creameries this is a vital aspect for the company. As part of the proposal phase, new components regularly crop up or are eliminated, which can be especially embarrassing if the customer is later billed for parts that weren't even installed. On the other hand, if delivered components are not invoiced it is of course detrimental for plant builder profits.

### The solution

A standard feature of an intelligent CADISON model is that it can create an up-to-date parts list as an Excel worksheet at the press of a button. But LTH went one step further with the CADISON developers and created an automated calculation function. The result is the quick creation of a complete proposal (in Word) that adheres to the LTH standard template for its customers.

### CADISON modules installed at LTH Dresden

- Project-Engineer
- P&ID-Designer
- MATPIPE
- 8 licences



Andreas Hiegelsberger,  
Project Manager Process Technology



*"With CADISON we always know that the proposals and the calculations for the current planning phase will match up."*

### The benefit

**Considering that LTH submits roughly 800 proposals a year, this is a significant relief for the project engineers. "When a project experiences multiple proposal phases, which is usually the case, this feature saves us enormous amounts of time and money. And we can always be sure that the proposals and the calculations for the current planning phase will match up," says Hiegelsberger. The time savings are truly convincing: "For a project worth € 3 or 4 million we need about 20 hours to put together the proposal – it used to take twice that long." For large projects in particular, the company has been able to make very good impressions on customers simply with the short turn-around for the proposal.**

### Contact

ITandFactory GmbH  
Auf der Krautweide 32, 65812 Bad Soden /Germany  
Phone +49 (6196) 6092-310, Fax +49 (6196) 6092-202  
info@ITandFactory.com, www.ITandFactory.com

Managing Directors:  
Bernd Henrici, Georg Kremer, Hans Ekdahl  
A joint venture of Neilsoft and TRIPLAN