

› Using ToolCommander® as a control solution for StratNanoTech

Success Story

Using ToolCommander® as a control solution for StratNanoTech

The startup StratNanoTech develops innovative production systems for thin-film processes.

While looking for a new control solution, the company discovered ToolCommander®: An open control framework that can be quickly and easily adapted to any system thanks to its modular software design. In close cooperation with susietec® software architects, StratNanoTech succeeded in implementing the new machine control system within a very short period of time.



The project

- › Introducing a new platform for equipment control

The platform(s)

- › ToolCommander®

The service

- › Developer training
- › Basic project setup and continuous development support
- › Code and design tests

The goals

- › Develop and launch a new equipment control
- › Extend competitive advantage on the market
- › Optimize the quality of control software

The challenge

- › Alternative solution for an existing approach to equipment automation
- › Quick and uncomplicated market launch
- › Convince project managers of a new development despite limited resources in terms of budget and work needed

The solution

- › Introduction of a PC-based control based on ToolCommander®
- › New control solution completed in less than five months
- › Compliance with SEMI standards by using ToolCommander®

” As a manufacturer of thin-film systems for international companies, StratNanoTech guarantees consistently high quality, stability and user friendliness of its machines. ”



Technical details of the project

As a manufacturer of thin-film systems for international companies, StratNanoTech guarantees consistently high quality, stability and user friendliness of its machines. However, various modifications and updates over the past few years meant that the existing control software was no longer able to meet the high demands of the market. A new control solution therefore required a high degree of functionality, standardized interfaces and a modular software design for purpose-specific adaptation.

To launch the ToolCommander® framework on the market as quickly as possible, intensive developer training was provided at the beginning. The machine control system was implemented using an IPC for the ToolCommander® application and a subordinate PLC. Components such as MFCs and valves are connected to the I/O units of the PLC and are controlled by ToolCommander®.

The graphical user interface was realized by WPF, supported by the ToolCommander® framework.

Customer Benefits

Based on the open ToolCommander® framework, new applications with extended functions and layouts as well as additional integrated components can be implemented in a very short time.

After just eight days of training, StratNanoTech began developing its first equipment control as a platform for a system type that could be realized within just four months.

Customer key figures

- › Market launch within five months
- › New control solution developed within four months after developer training

About StratNano Tech

StratNanoTech is a manufacturer of special thin-film machines. With ambition, scientific and technological expertise and a passion for innovation, the young team realizes international projects for companies. This is how StratNanoTech builds cost-effective systems featuring high efficiency and outstanding process properties.

For more information, please visit:
www.stratnanotech.com

About susietec®

We see digital transformation as a holistic approach. With the susietec® Toolset, we support companies in recognizing the potential of IoT and digitization: The combination of software, hardware and know-how enables functional and smart solutions for equipment suppliers, providers and manufacturers. That is how we succeed in implementing purposedriven changes effectively – with the aim of driving forward digitization in the long term. susietec® solutions can be used in an existing environment and also provide a basis for the new development of machines, components and production plants.

As part of the Kontron Group, we help you take the decisive steps towards digital transformation using our experience from numerous digitalization projects.

For more information, please visit:
www.susietec.com

kontron
The Power of IoT

Contact

Kontron Technologies GmbH
Industriezeile 35
A-4020 Linz
T: +43 732 941 670
info@susietec.com