



Steritech

With an innovative automation and visualization solution, Steritech is making its autoclaves fit for Industrie 4.0.

Steritech is a manufacturer of machines for low-environmental-impact pasteurization of food and medications.

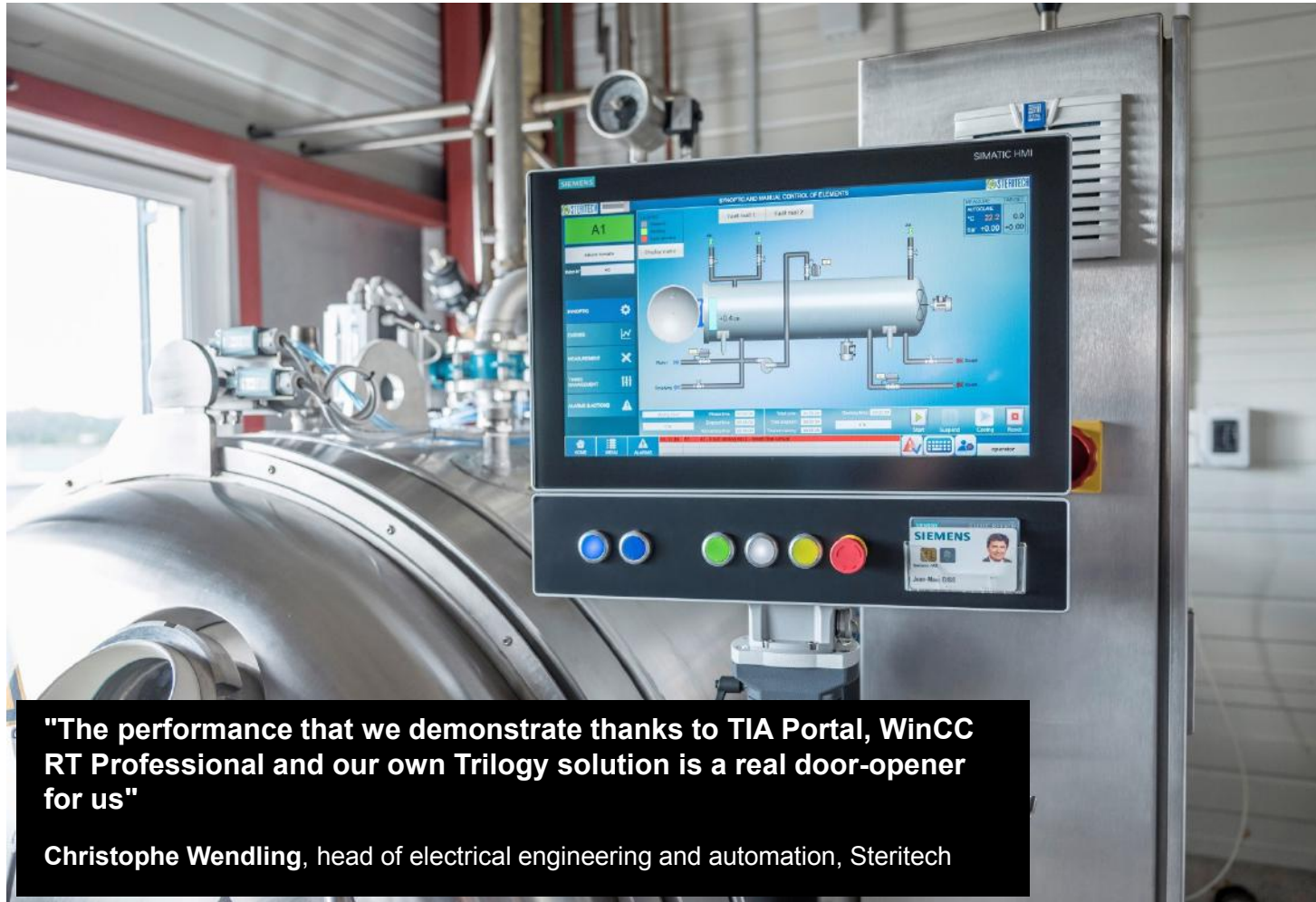
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www.siemens.com/simatic-hmi-pro

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"The performance that we demonstrate thanks to TIA Portal, WinCC RT Professional and our own Trilogy solution is a real door-opener for us"

Christophe Wendling, head of electrical engineering and automation, Steritech

Customer benefits

- Innovative devices and operating concept in an attractive design
- Efficient machine commissioning in the TIA Portal with a productivity boost of 20%
- Machine access authorization integrated into the Extension Unit as an RFID reader
- Unique machine transparency with WinCC RT Professional, incl. WebUX to boost productivity, quality and energy consumption of machines worldwide
- Optimization of the service business by remote access to machines worldwide

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Project information

STERITECH, manufacturer of machines for low-environmental-impact pasteurization and sterilization of food and medications.

OEM F&B

Saverne, France



Products used

Previously	Now
SIMATIC S7-300 PLC	SIMATIC S7-1500 PLC
SIMATIC WinCC V7	SIMATIC WinCC RT Professional
Pheonix Contact IPC	SIMATIC IPC 477D PRO
SIRIUS control elements	SIMATIC HMI PRO Extension Unit
Schneider Electric frequency converter	SINAMICS G120



Challenge

1. Fast and efficient engineering for cost saving and fast machine delivery
2. Attractive and innovative machine operating concept with RFID access control to avoid operating errors - *And that, completely outside the cabinet (!)*
3. Transparency of machine conditions to increase quality and machine availability - *Local and remote*



Customer benefits

20% increase in engineering and commissioning efficiency
"due to the perfect interaction between the components and simple configuration in the TIA Portal"

Attractive & flexible machine operation thanks to IP65-protected operating units
"Our intuitive operation is also ensured under difficult conditions, even if the operator has dirty or wet hands"
"The combination of a powerful, robust Industrial PC with a high degree of protection with a suitable Extension Unit is really ideal for us."

Maximum productivity boost in operation
... from integrated tools for efficient maintenance and convenient remote access to plant data to detailed analyses and comparisons of performance, efficiency and availability. Our customers can use the potential of our machines to the full."



Products / solution

TIA Portal V14
SIMATIC & SINAMICS components

SIMATIC IPC477D PRO incl. Extension Unit
SIMATIC WinCC RT Professional V14

SINEMA Remote Connect
SIMATIC WinCC RT Professional V14 incl. WebUX

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Customer profile	<ul style="list-style-type: none"> Steritech, machine manufacturer for autoclaves and pasteurization, Saverne France, Food & Beverage, www.steritech.eu.com 	Decision in favor of Siemens	<ul style="list-style-type: none"> Steritech and Siemens entered into a long-term working relationship that has already seen 15 years of close cooperation. Siemens provides a complete automation solution, including all-round protected IP65 HMI devices, PLCs, security and a maintenance solution for the equipment independent of the location. Siemens helps achieve the customer's objectives, such as cost reduction, modern design, operability, and maintenance independent of the location.
Project information	<ul style="list-style-type: none"> Steritech uses only Siemens components for its machines. The decisive factor in excellent machine visualization and operation is the use of the IPC477D PRO, including Extension Unit, WinCC RT Professional and S7-1500. 	Volume & potential	<ul style="list-style-type: none"> The total volume for Siemens with Steritech is €300k / year The sales of autoclaves with the SIMATIC HMI PRO portfolio is €6000 / machine with 30 machines / year
Customer objectives	<ul style="list-style-type: none"> Time saving in the engineering and commissioning phase Designing the machine to be as intuitive and attractive as possible to reduce operating errors and thus increase productivity. As an Industrie 4.0 machine function, Steritech planned to create a proprietary MES Suite, based on WinCC RT Professional 	Competition	<ul style="list-style-type: none"> Phoenix Contact IPCs and Schneider Electric frequency converters were replaced by Siemens products B&R is attempting to get a foothold here – Steritech is staying with Siemens.
Siemens' solution	<ul style="list-style-type: none"> A complete solution, comprising PLCs, frequency converters, Human Machine Interfaces with an excellent design and WinCC RT Professional SCADA, provided by Siemens to support customer-specific adaptations and new business models, such as remote access to data and data maintenance 	Product update	<ul style="list-style-type: none"> Previous system: S7-300, WinCC V7, IPCs Now: S7-1500, WinCC RT Professional, IPC 477D PRO
Customer benefits	<ul style="list-style-type: none"> Very attractive machine design as a competitive advantage By using the TIA Portal, it was possible to improve the engineering and commissioning phase by 20% Reduction of operating errors thanks to intuitive SCADA & HMI design Why did the customer decide on Siemens? Top quality standards toward suppliers, excellent software and worldwide availability of spare parts 	Contact person	<ul style="list-style-type: none"> Customer sales: Jean-Marc Diss, RC-FR DF S-AM&PTM HQ reference manager: Philipp Armbruster, DF FA S MP Contact at the customer: Pierre Gavignon, Steritech
		Customer release	<ul style="list-style-type: none"> Customer release issued? Date of release Link to release document

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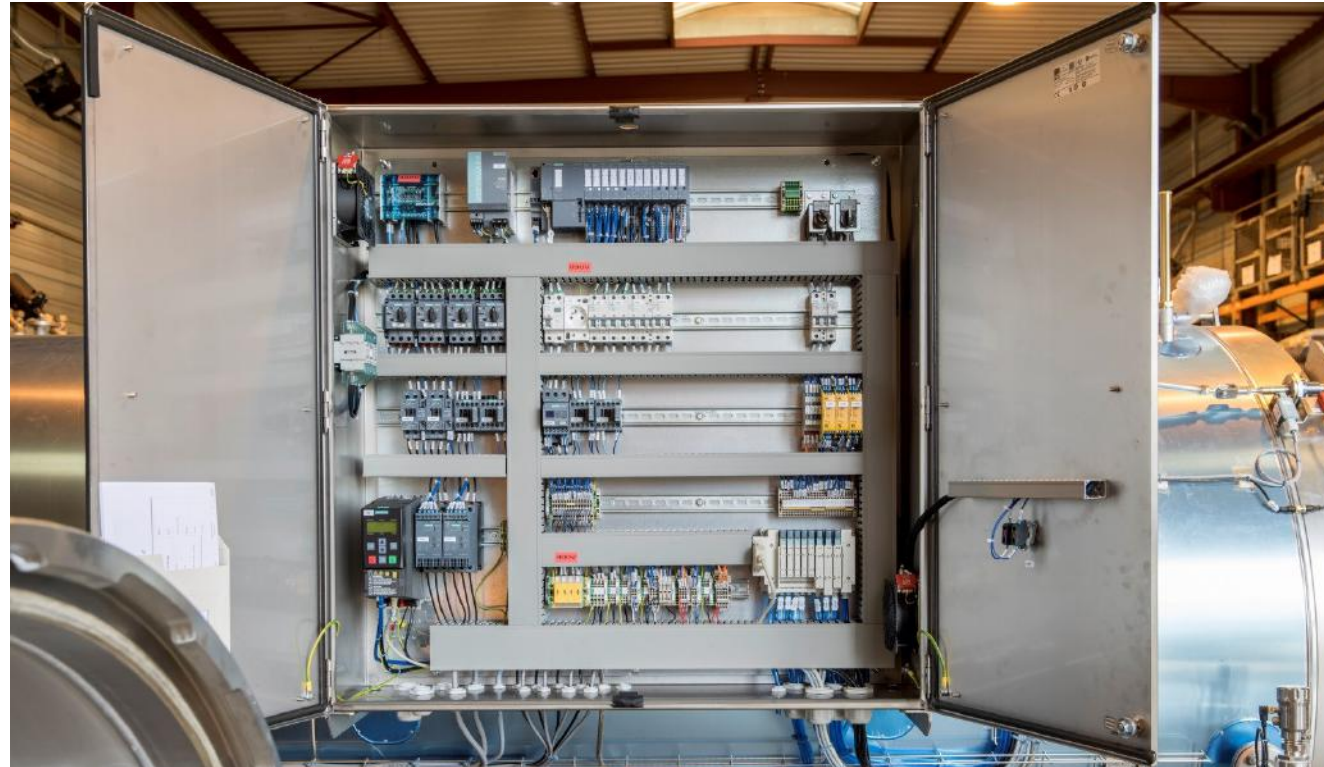
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Components used

- SIMATIC IPC477D PRO
- SIMATIC HMI Extension Unit
- SIMATIC CPU1512-SP1
- SINAMICS G120
- SITOP PSU200M
- SIRIUS

- TIA Portal V14
- WinCC RT Professional V14
- SINEMA Remote Connect



"We have been using industrial PCs from Siemens for more than 10 years now and there are plants that are still working with the first generation of equipment – without failures in a hostile production environment. That speaks for itself!"

Christophe Wendling, head of electrical engineering and automation, Steritech

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"In each new project, we begin with the customer's product and ensure that the product is characterized by quality that far exceeds the requirements of the specification - Siemens helps us achieve that"

Pierre Gavignon, Directeur Général, Steritech