

Press release

SpiraTec ensures greater process reliability and efficiency through successful system integration with *InfoCarrier® BOXI*

Speyer, November 27, 2025 – Bachem AG in Bubendorf (Switzerland) produces peptides for the diabetes market – products whose manufacture requires the highest level of process reliability and accuracy. In order to meet these requirements better and more efficiently, the plant has been upgraded to a new technical level: With the successful Site Acceptance Test (SAT) in October 2025, the full integration between the Siemens SIMATIC PCS 7 process control system (PCS) and the Körber PAS-X Manufacturing Execution System (MES) via InfoCarrier® BOXI has been completed.

With *InfoCarrier® BOXI*, SpiraTec AG has developed an innovative, modular solution that significantly reduces the integration effort between systems. Pre-built best practice workflows and standardized interfaces allow for efficient coverage of various use cases. *InfoCarrier® BOXI* simplifies interface communication between different systems and acts as a modular interface hub. The use of a workflow engine also allows customer-specific workflows to be implemented, enabling tailor-made solutions for every communication application.

"With *InfoCarrier® BOXI*, PLS and MES will communicate fully automatically and without manual intervention in the future," says Nicole Anar, project manager and senior professional consultant for industrial IT solutions at SpiraTec AG in Wunstorf. A key advantage of *InfoCarrier® BOXI* is its connection to PLS and MES from a wide range of manufacturers through the use of universal connectors.

This end-to-end digital integration of process and production systems avoids media breaks. Dominik Hugenschmidt, MES Capability Lead at Bachem AG, explains: "In order to further optimize processes, minimize risks from manual intervention, and close the last gap in end-to-end integration, we decided to fully integrate MES and PCS 7. This will enable both systems to work together even more efficiently and seamlessly in the future." Data flow from Siemens PLS to the Aveva PI System and then to Körber PAS-X MES was already possible, but communication between MES and PLS was not. The goal was to close this strategic integration gap.

The project included the implementation of *InfoCarrier® BOXI* at the customer's site, including the creation of detailed system and interface documentation, as well as the performance of installation qualification (IQ) and site acceptance testing (SAT) for formal acceptance of the interface.

From challenge to success

The main challenges in the project were minimizing human errors at batch start and during recipe execution, synchronization between MES and PLS, and finding an out-of-the-box solution for standardized integration.

With the new *InfoCarrier® BOXI* interface, these goals were successfully achieved:

- Automated data exchange and fully synchronized recipes between MES and PLS
- Consistent and digitally controlled process flows

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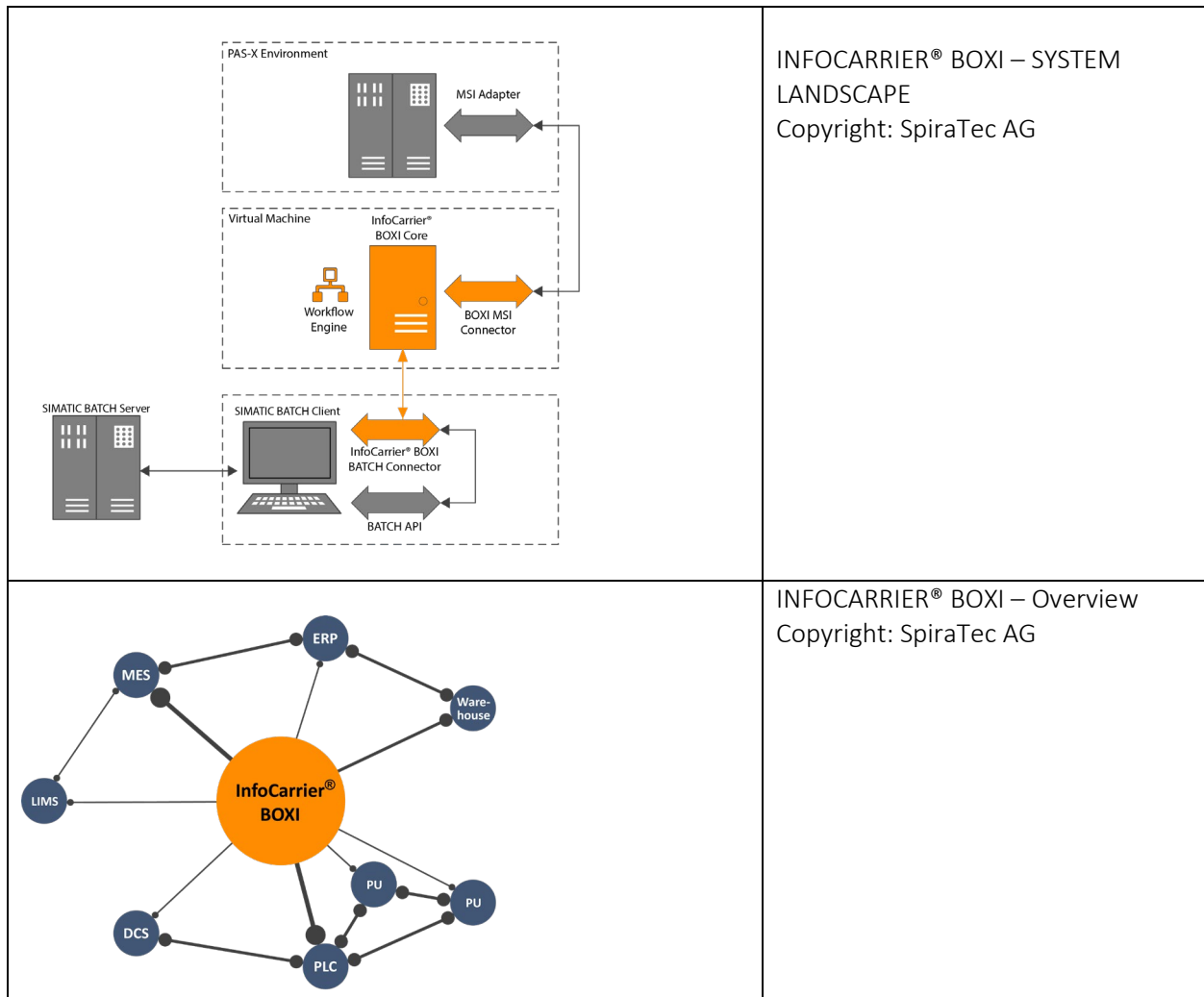
- Significant reduction in risks due to manual intervention and thus higher process reliability

The successful implementation lays the foundation for even more efficient and error-free production – a decisive step toward digitally networked and automated manufacturing and closing the last gap in end-to-end integration.

The project has been running since February 2025 and is scheduled for completion in December 2025. The short project duration of less than a year required the highest level of commitment and close cooperation from all parties involved. The successful result shows what can be achieved with dedication and partnership-based cooperation. Other systems at the site are also to be connected via *InfoCarrier® BOXI* in the future.

Image material

	<p>Nicole Anar, Senior Professional Consultant Industrial IT Solutions at SpiraTec AG in Wunstorf</p> <p>Copyright: SpiraTec AG</p>
	<p>Dominik Hugenschmidt, MES Capability Lead at Bachem AG</p> <p>Copyright: Bachem AG</p>



About SpiraTec AG:

SpiraTec AG is one of Europe's largest independent IT and engineering service providers for the digitalization and automation of the process and manufacturing industries. As a global partner, SpiraTec enables its customers to undergo digital transformation. The focus is on integrating state-of-the-art technologies into proven industrial processes along the horizontal and vertical value chain. This enables customers to achieve clear efficiency gains and optimize the use of resources.

With over 650 employees at more than 40 locations in Europe and the USA, the SpiraTec Group offers a comprehensive, modular range of services: These range from strategic consulting and planning to the development of digital applications and the implementation and optimization of production facilities. Its expertise covers interdisciplinary services such as digitalization, automation technology, robotics, digital twins, industrial IT, and engineering.

SpiraTec sets standards in the digital evolution of industry and drives forward the pioneering transformation to a digital industrial landscape. Through a holistic approach and interface-optimized processes, SpiraTec ensures the implementation of future-proof projects for national and international customers.

Since its foundation in 2007, SpiraTec has grown steadily and profitably, increasing its total output to around €80 million in the 2023/24 financial year.

Further information is available at: www.spiratec.com

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About Bachem AG

Bachem is a leading global, innovation-driven company specializing in the development and manufacture of peptides and oligonucleotides. Headquartered in Bubendorf, Switzerland, with locations in Europe, the US, and Asia, Bachem offers pharmaceutical and biotechnology companies a comprehensive portfolio of products and services, from research and clinical development to large-scale production of active pharmaceutical ingredients (APIs). The company has more than 50 years of experience and unique expertise in the industry. Bachem is listed on the SIX Swiss Exchange and employs over 2,200 people worldwide.

For more information, visit <https://www.bachem.com/>.

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