

INFOCARRIER® BOXI

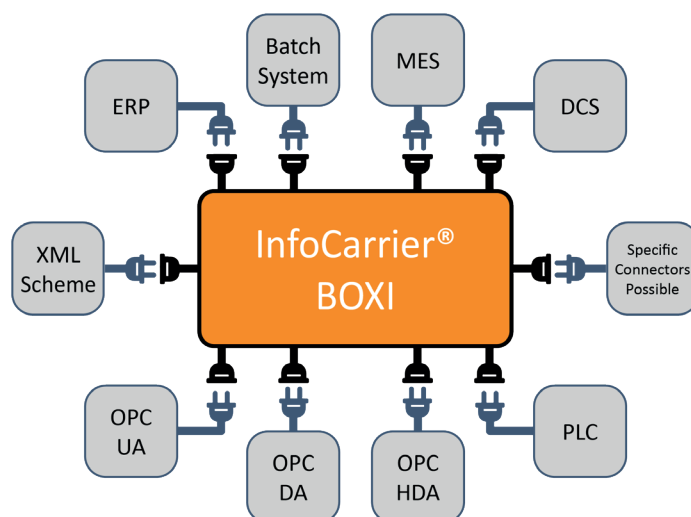


Industry 4.0 Interface

The seamless **integration** and **interconnection** of manufacturing and process control systems is now a critical success factor for efficient and future-proof production processes. In practice, however, different systems, data models, and communication protocols often collide. For this reason, SpiraTec AG has developed **InfoCarrier® BOXI**, an innovative, modular solution that significantly reduces the effort required for integration between systems. Thanks to pre-built best-practice workflows and **standardized interfaces**, typical integration scenarios can be implemented not only faster but also much more reliably, ensuring efficient coverage of various use cases.

Efficient Data Exchange

- The **requirements of the modern pharmaceutical and process industries** make it clear: Successful OT/IT integration is based on clearly defined, message-based information packets rather than purely tag-based real-time values.
- Here, **InfoCarrier® BOXI** relies on modern communication mechanisms that exchange entire information packages in a structured manner (rather than many individual PLC tags). This enables a consistent, validation-compliant flow of information, even in complex systems.
- InfoCarrier® BOXI **minimizes manual input** and clearly separates MES and PLC configuration, a significant advantage over traditional tag-based integration.



Our Services

SpiraTec AG offers comprehensive consulting services as well as the implementation and configuration of interfaces. With many years of experience in connecting a wide variety of legacy systems, we can professionally execute even complex integration projects. In addition, we develop **customized solutions** for our customers, offering a cost-effective way to make legacy systems and brownfield facilities Industry 4.0-ready. Continuous maintenance and reliable **after-sales service** round out our offering.

The Success Factors

- Universal connectors, for example for **PLCs, MES**
- Significant **time savings** and **error reduction** thanks to the extensive decoupling of the configuration of connected systems through standardized data exchange
- Efficient **commissioning** and project planning through the use of predefined, reusable best-practice workflows (e.g., creating batches, reading and writing parameters, receiving notifications)
- “Translation” of outdated interface technologies into state-of-the-art **communication protocols**
- Adaptation of existing **software and systems** is generally not necessary

Since 2025, SpiraTec has achieved the highest certification level in the PAS-X MSI Plug & Produce Partner Program at Körber Pharma Software for **InfoCarrier® BOXI**.

