



BC Automation and AsterionDB Announce Strategic Partnership for Secure Industry Data Orchestration

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BC Automation and AsterionDB today announced a strategic partnership to deliver foundational data security and orchestration for Industry 5.0 manufacturing.

The collaboration integrates AsterionDB's extensible, non-schema-based data platform with BC Automation's Manufacturing Intelligence Platform (MIP) and Symmetrical Parallel Aggregation (SPA™). Together, they enable secure management of unstructured industrial data — process flow diagrams, technical documentation, P&IDs, scanned images, and proprietary graphics — directly at the edge, even in disconnected environments.

Steven Guilford, President & Founder of AsterionDB commented:



"AsterionDB, at its core, is a software development and integration platform... This opportunity showcases how a knowledge base of unstructured data can be built using AsterionDB with native, rich keyword/tagging meta-data... This is going to be fun!"

Thomas S., Chief Technologist at BC Automation added:



"Our Asterion DB partnership is tackling one of the toughest realities in modern manufacturing: unstructured data at the industrial edge... Asterion DB's extensible, non-schema-based orchestration moves these unstructured knowledge assets directly into secure, edge-resident stores within MIP™."

Key capabilities of the joint solution include:

- Fine-grained zero-trust digital trust (hide information from unauthorized users)
- Edge-centric resilience with local data stores on compute nodes
- Immutable, block-centric versioning for ransomware defense
- Protected environment for secure human-centered AI using local models

The partnership marks a significant step toward verifiable digital trust and autonomous human-machine collaboration in next-generation manufacturing.

Learn more:

→ Read the full press release [[Link Here](#)]

→ Visit www.bcautomation.io

→ Visit www.asteriondb.com