## Inkwell Data Demonstrates Configuration-Led Integration Between Altior Studio and Platforms Like Autodesk Tandem for OT Environments

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Inkwell Data today announced a validated integration capability between **Altior Studio** and **enterprise digital twin platforms such as Autodesk Tandem**, demonstrating how operational technology (OT) data can be securely prepared, governed, and aligned with enterprise platforms through a configuration-led approach.

Autodesk Tandem provides a powerful environment for managing and operating digital twins across the asset lifecycle. **When organisations extend digital twin initiatives into live OT environments, they must address additional considerations**—including data normalization, security boundaries, governance, and long-term operational reliability—that arise from the nature of OT systems rather than from enterprise platforms themselves.
Altior is designed to support this extension by operating as an **independent OT–IT data infrastructure layer**. It connects to existing OT systems across vendors, protocols, and sites, and exposes governed, contextualised operational data to platforms like Autodesk Tandem without requiring bespoke integration projects or changes to control systems.
Where appropriate, Altior can also introduce **lightweight, deterministic business logic at the edge**—such as data filtering, aggregation, event detection, and policy enforcement—close to operational assets. This enables organisations to reduce data volumes, improve resilience, and ensure that only relevant, business-ready operational data is propagated to enterprise platforms, while preserving OT safety systems and established control logic.
This approach delivers several benefits for organisations deploying enterprise digital twin platforms in operational environments:

- **Preservation of OT security and data sovereignty**
  Altior enables push-based, brokered data flows from OT environments, allowing enterprise platforms to consume operational data without introducing persistent inbound access or expanding the OT attack surface.

- **Faster and lower-risk integration**
  Configuration-led data modelling and routing reduce dependence on custom software development, enabling teams to prototype and deploy integrations more rapidly while maintaining operational stability.

- **Clear governance and accountability**
  Altior manages OT data identity, lineage, and policy-based access upstream, supporting auditability and clear responsibility boundaries between OT operators, enterprise platforms, and downstream analytics or AI systems.

- **Long-term architectural flexibility**
  By decoupling OT connectivity from individual enterprise platforms, organisations retain the ability to evolve their digital twin, analytics, and AI strategies without re-engineering their OT integrations.

The demonstrated integration illustrates how Altior complements platforms like Autodesk Tandem by handling OT-specific data preparation, edge-level data conditioning, and governance, while enterprise platforms remain authoritative for digital twin management and lifecycle operations.

This architecture aligns with emerging best practices for deploying digital twins and AI in operational environments, where separation of concerns, secure data mediation, and human-supervised operations are critical to safety, resilience, and regulatory confidence.
A video demonstration showcasing the integration in action accompanies this announcement and is available at https://youtu.be/pCxmoqO2_XQ.

For more information about Altior, please contact us at info@inkwelldata.com.

**About Inkwell Data**

Inkwell Data provides secure OT–IT data infrastructure for industrial and critical infrastructure environments. Its **Altior** platform enables organisations to connect, govern, and route operational data across heterogeneous OT estates, supporting digital twins, analytics, and AI initiatives without compromising safety, security, or operational independence.