

eStreams



In regulated manufacturing, integrating machines, systems, and people is slow and risky due to validation, fragmented logic, and manual steps. Each new interface is often a one-off project buried in custom code. eStreams by Orise Digital replaces this with a modular, workflow-based DataOps layer for GxP environments, making integration traceable, auditable, reusable, and scalable from one machine to global operations.

Main benefits



Configurable Over Coded
Build integration logic without custom development.



Connects Everything
From PLCs and SCADA to MES, LIMS, historians, and cloud APIs.



Validated Once, Reused Many
Workflows can be versioned, approved, and redeployed across similar systems for faster scale-up.



Human + System Orchestration
Combine operator input with automated data flows for flexible operations.



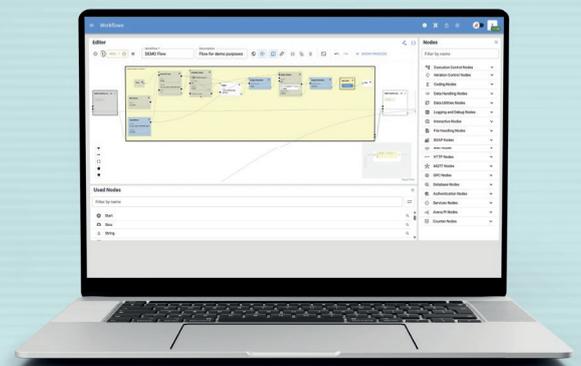
Audit-ready by Design
Built-in approval flows, routing notices, and complete audit trail.



Edge-ready Deployment
Run close to the process, even in VLAN-isolated environments, ensuring secure operations.

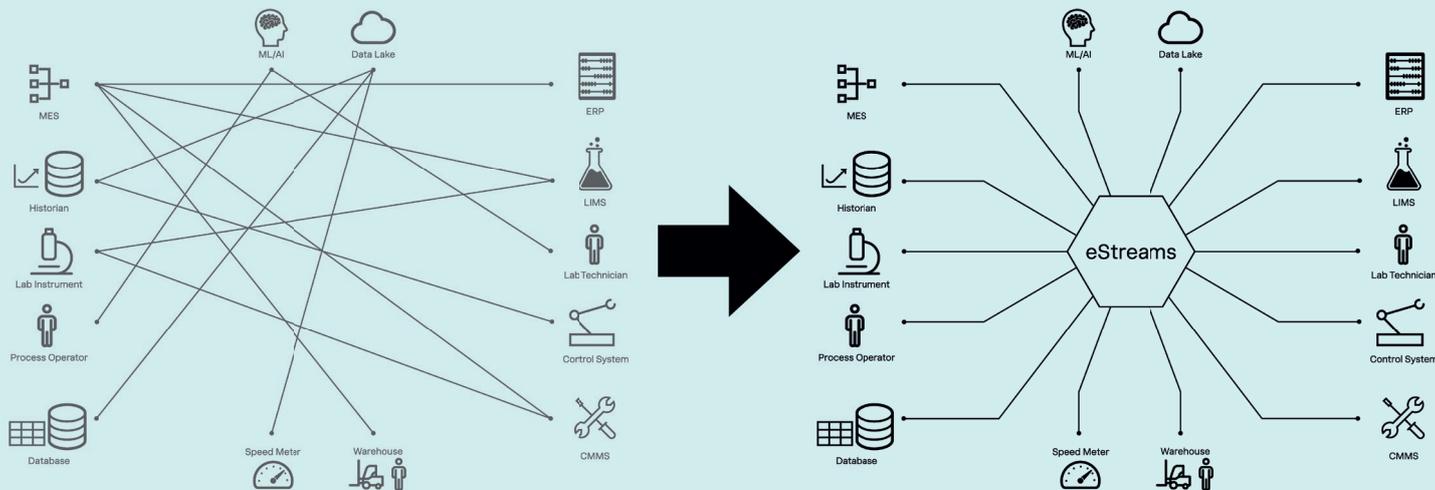
Our technology

eStreams collects, validates, and routes data in real time across PLCs, SCADA, MES, ERP, and cloud systems, without custom code. Visual, version-controlled workflows ensure traceability, reusability, and compliance. Supporting both automated and operator-driven logic, eStreams runs on Windows, Linux, or Docker, deploys on-prem or in the cloud, and works even in segmented VLANs for secure, scalable integration.



Workflow-driven DataOps, purpose-built for regulated manufacturing

eStreams by Orise is a configurable DataOps platform designed to orchestrate integration workflows across machines, systems, and users in GxP environments.



Whether you're standardizing recipe download logic, orchestrating lab results, or automating compliance reporting, eStreams provides a qualified, version-controlled foundation to build, approve, and execute your integration logic at scale and with full traceability.

Overview: eStreams vs Generic Tools vs App Platforms

Comparison	Generic DataOps/ Workflow Builders	App Platforms / Low-Code Apps	eStreams
Designed for regulated environments	No – no native support for validation	Partial – validation is project-specific	Yes
Workflow version control	Limited or external	Depends on implementation	Yes
Approval workflows (e-signatures, routing)	Not available	Often requires customization	Yes
User/operator interaction in workflows	Basic UI only	Yes	Yes
Integration with OT/IT protocols (OPC, REST...)	Yes	Often requires connectors/licensing	Yes
Deployment in VLAN/Edge environments	Yes	Often cloud- or client-bound	Yes
Qualified logic reuse across equipment/sites	Logic is project-specific	Possible but non-trivial	Yes
Designed for integration (not visualization)	Yes	Primarily focused on UI/UX	Yes
Support for AI / external microservices	Scripted support	Possible via plugins	Yes
Suitable as GxP middleware standard	No	Not designed for middleware reuse	Yes

Orise Digital is the digital innovation arm of Orise, built to connect and optimize the entire digital process and system landscape. With deep expertise in automation, system integration, and process optimization, we deliver industry-proven tools that enhance connectivity, streamline operations, and turn data into actionable insights. Orise Digital helps enterprises integrate technologies seamlessly, boost efficiency, and stay compliant. As the final link in the digital chain, we turn digitalization from vision into reality—empowering smarter, faster, and more informed decision-making through structured, visualized data.