

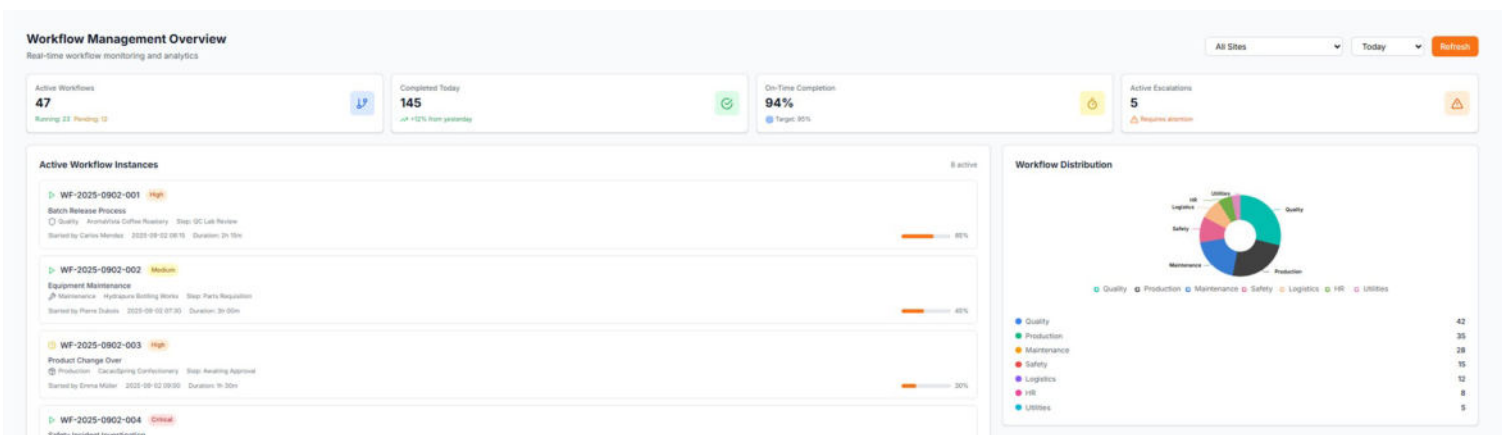
DATASHEET

Workflow Management

Visualize Work. Synchronize Teams. Achieve Results.

Manufacturing operations increasingly demand seamless coordination across roles, shifts, and departments. Paper-based workflows, ad-hoc communications, and inconsistent practices create bottlenecks, delays, and compliance risks. The LOGICAL SYSTEMS Workflow Management (WFM) application transforms operations from isolated task execution to enterprise-wide process orchestration. By ensuring every critical step is performed consistently and transparently, WFM drives operational agility, safety, and accountability across the value chain.

Built on the Inductive Automation® Ignition platform, our WFM solution enables organizations to design, deploy, and monitor digital workflows that connect people, systems, and equipment. A visual modeling environment, reusable workflow templates, and event-driven automation deliver rapid standardization of best practices. The system integrates seamlessly with existing automation and business infrastructure, requiring no disruption to ongoing operations. With governed version control, embedded approvals, and real-time dashboards, WFM enforces compliance while enabling continuous improvement at scale.



Critical processes like permits-to-work and deviation handling to enterprise-level coordination across multiple sites, the LOGICAL SYSTEMS WFM app scales to meet your needs while maintaining consistency and audit readiness. Our proven implementation approach accelerates time-to-value, typically achieving ROI within months through faster process cycles, reduced downtime, and improved compliance. Experience the power of orchestrated operations with a solution designed by manufacturing professionals for manufacturing professionals.

Streamline Enterprise Execution

Visual Workflow Design & Deployment

Through enterprise-wide applicability, WFM can be deployed across the entire manufacturing landscape to orchestrate shop floor operations with enterprise-level governance. By combining reusable workflow templates with domain-specific processes, organizations can standardize best practices while still adapting to local requirements. This ensures every site, department, and shift executes critical workflows consistently, with the flexibility to respond to real-world conditions.

■ Visual Workflow Modeling

Drag-and-drop interface for designing multi-step workflows that span roles, departments, and systems.

■ Process Definitions

Formalize workflows as governed digital blueprints with versioning, review, and publishing.

■ Template Library

Ready-made workflows for permit-to-work, deviation handling, incident reporting, batch approvals, and shift coordination.

■ Reusable Step Library

Prebuilt steps such as Tag Condition, Alarm Response, Approval, Escalation, Notification, CMMS Work Order, and Historian Query.

■ Custom Step Builder

Extend with organization-specific steps for unique processes.

■ Workflow Templatization

Save workflows as templates for re-use across plants, ensuring global consistency.

■ Version Control & Governance

Manage lifecycles with draft, review, publish, and archive states.

■ Event-Driven Automation

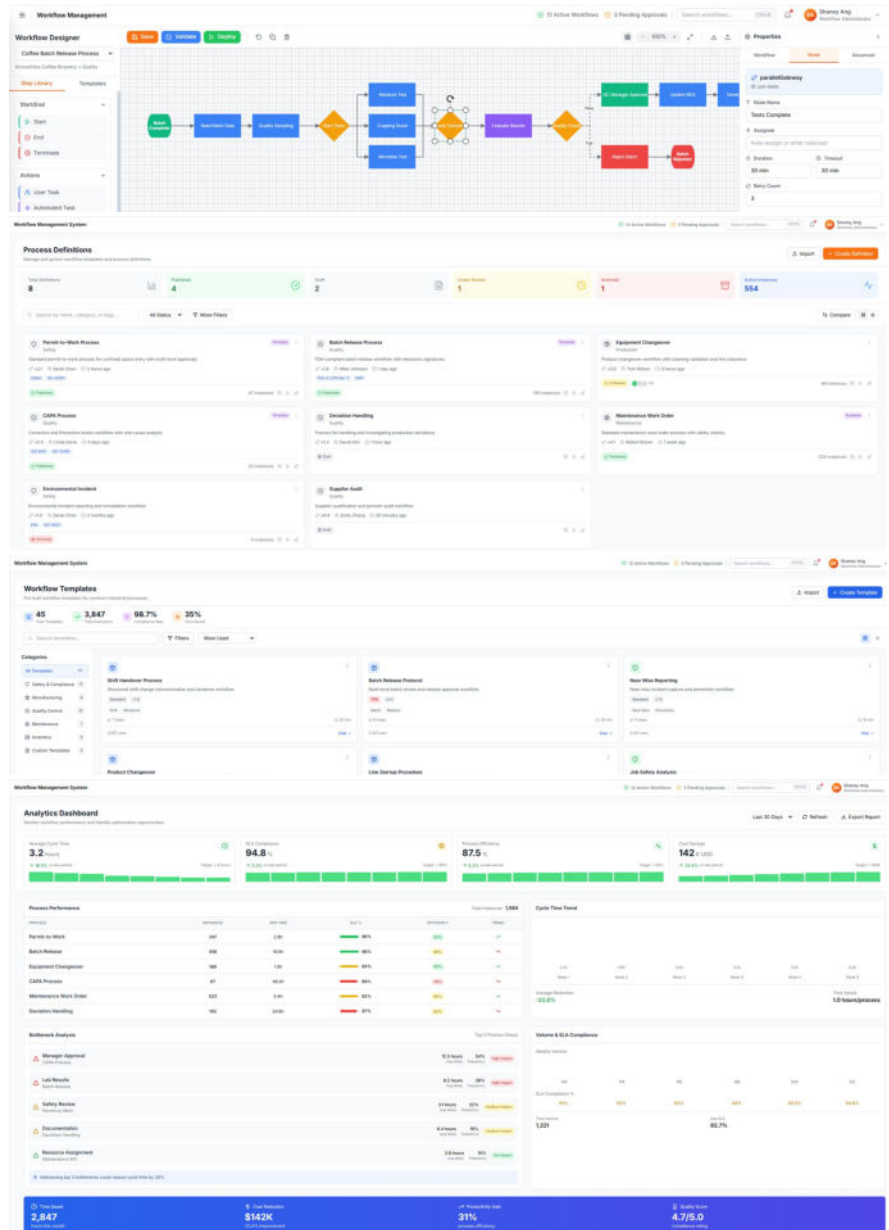
Trigger workflows automatically from alarms, historian data, sensor events, or schedules.

■ Real-Time Monitoring

Dashboards, KPIs, and bottleneck analysis for live visibility.

■ Audit & Compliance Tools

Capture approvals, signatures, and deviations for complete traceability.

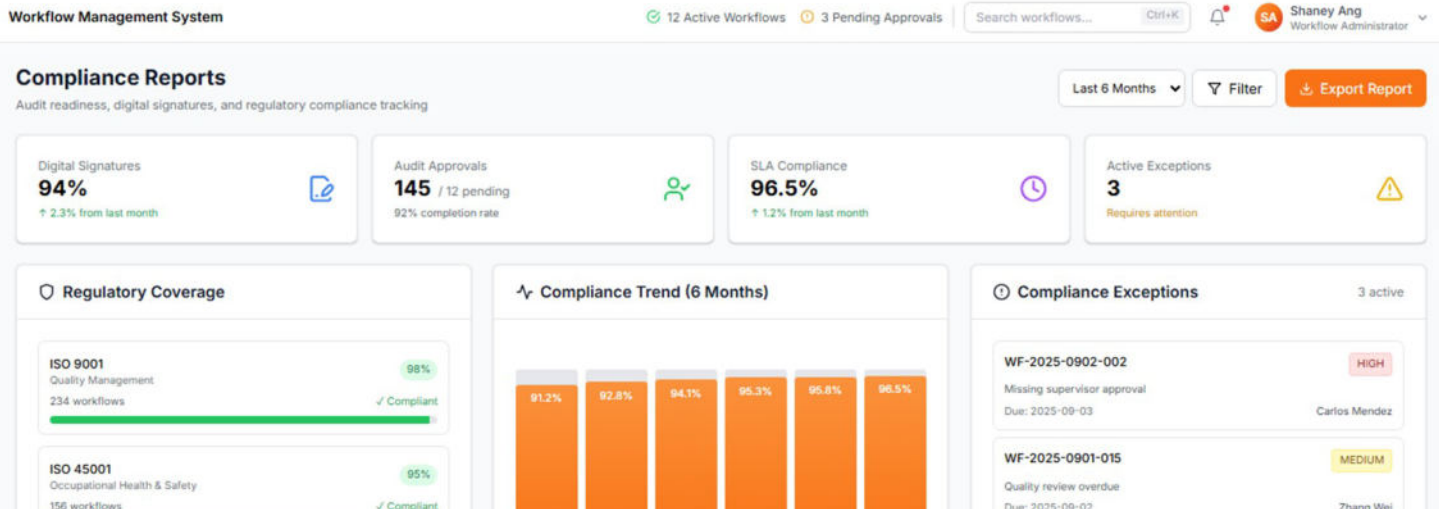


Operational Excellence

The WFM app helps organizations move from scattered practices to a standardized, repeatable way of working. By leveraging reusable workflow templates, companies can deploy consistent processes across multiple sites and then adapt them locally with minimal effort. Execution data captured from every workflow feeds back into continuous improvement, turning each cycle into an opportunity to refine and strengthen best practices.

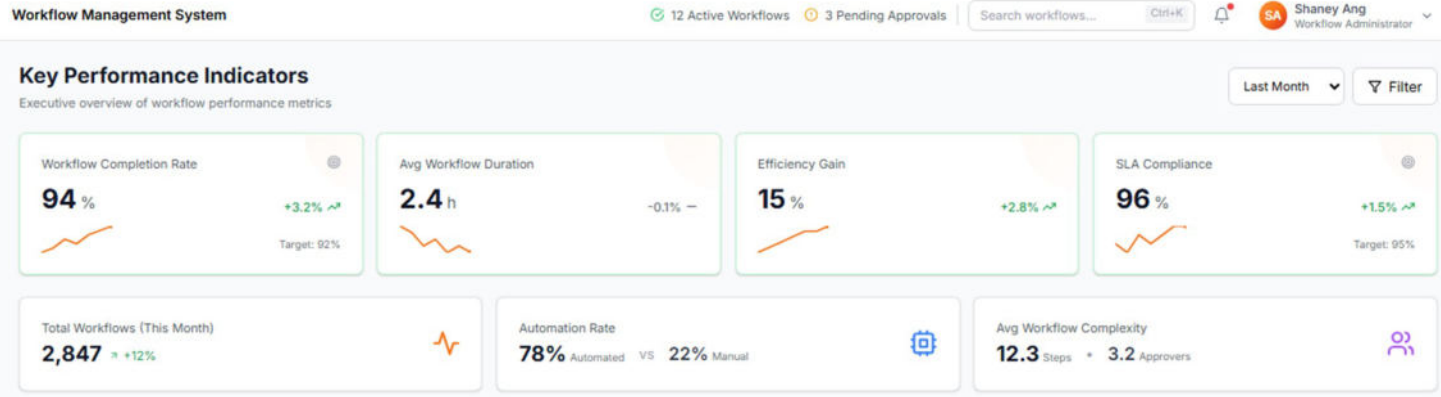
Safety & Compliance

WFM embeds compliance into the very structure of daily operations. Required approvals, safety checks, and escalations are enforced by design, ensuring that no critical step can be bypassed. All activities are tracked with digital evidence, creating a complete audit trail that demonstrates adherence to internal policies, customer requirements, and regulatory standards. Automated corrective actions further reduce operational risk by responding immediately when thresholds are breached.



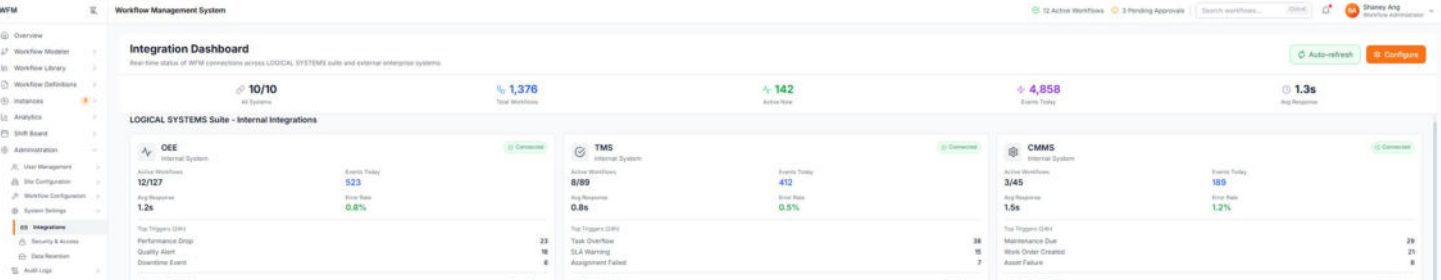
Efficiency & Productivity

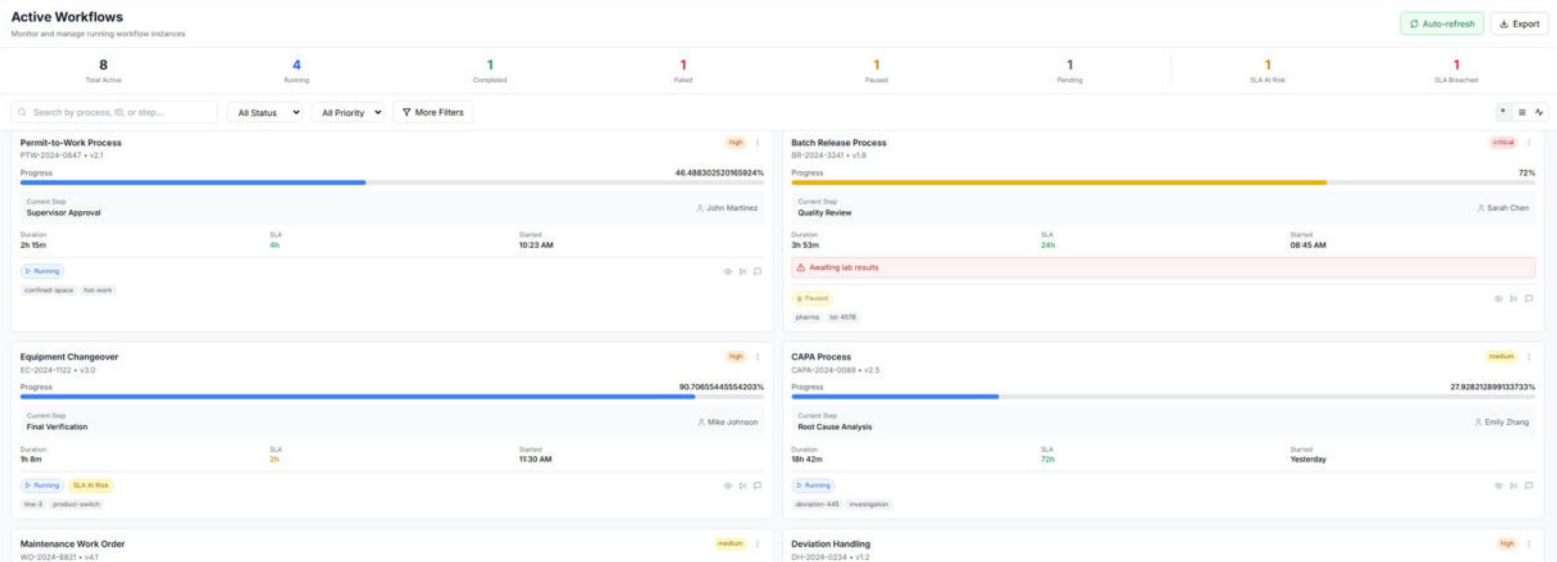
Beyond compliance and standardization, WFM delivers tangible gains in productivity. Prebuilt workflow steps and templates accelerate deployment, cutting the time needed to roll out new processes. Event-driven triggers ensure immediate responses to alarms, data conditions, or scheduled intervals, reducing downtime and preventing costly delays. With ownership clearly defined at each step, teams eliminate manual routing errors and keep production, quality, maintenance, and safety workflows moving without interruption.



Seamless Integration Across the Suite

As part of the LOGICAL SYSTEMS suite, WFM acts as the orchestration layer that connects applications and people. When OEE performance indicators drop, WFM initiates root-cause analysis workflows. Operator tasks generated within workflows appear directly in TMS for execution. Maintenance issues automatically launch work order workflows in CMMS. Energy threshold breaches in EMS trigger corrective actions, while WMS replenishment workflows are driven by real-time material shortages. At the enterprise level, UNS ensures workflow events are shared seamlessly across systems and sites. Together, these integrations transform workflows into a unifying fabric for digital operations.





Key Features and Benefits

Features

- Digital process definitions that formalize workflows as governed blueprints
- Reusable workflow templates deployable globally with local adaptation
- Prebuilt step library including approvals, escalations, notifications, CMMS work orders, and historian queries
- Custom step builder for site-specific processes and unique logic
- Workflow templatzation for cross-site re-use and governance
- Version control with draft, review, publish, and archive states
- Event-driven automation triggered by alarms, historian conditions, sensors, or schedules
- Real-time dashboards for workflow execution, KPIs, and bottleneck analysis
- Embedded compliance with captured approvals, e-signatures, and deviations
- Seamless integration with OEE, TMS, CMMS, EMS, WMS, and UNS applications
- Global scalability from single-line pilots to enterprise rollouts

Benefits

- 20-30% faster process cycles through automated routing and escalations
- 10-15% downtime reduction by responding instantly to live events
- Improved compliance with audit-ready workflows and full traceability
- Increased agility through reusable templates and rapid adaptation
- Consistency at scale with standardized workflows across sites and shifts
- Reduced risk via enforced approvals, safety checks, and escalations
- Accelerated deployment using prebuilt steps and templates
- Stronger collaboration across production, quality, maintenance, and safety teams
- Typical ROI achieved within 6-12 months through measurable productivity and compliance gains

Technical Requirements

System Requirements

Ignition® (8.1.+) Core Modules, Quad-core processor, 16 GB RAM, 10 GB free disk space

Supported Operating Systems

Windows Server 2019/2022/2025, Windows 10/11, macOS (X, 10.16+), Linux (Ubuntu, CentOS, RHEL)

Supported Protocols

MQTT, OPC UA / OPC DA, REST API (JSON Payloads) Kafka (via connector), Snowflake (via pipeline, data bridge)

Supported Databases

Microsoft SQL Server, Oracle, MySQL, MariaDB, PostgreSQL, any database with JDBC driver

Supported Browsers

Chrome, Firefox, Safari, Microsoft Edge

The graphic features a dark background with a blurred image of a person's hands holding a tablet. Overlaid on this is the text 'LOGICAL SYSTEMS WFM' in large, bold, white capital letters. Below this, the text 'Consistent, compliant workflows, delivered across your enterprise.' is written in a smaller, white font. At the bottom, a paragraph in white text states: 'LOGICAL SYSTEMS WFM App elevates operations from task-level tracking to enterprise-wide orchestration. By standardizing workflows, automating responses, and enforcing compliance, WFM empowers teams to operate with agility, reliability, and confidence.'