

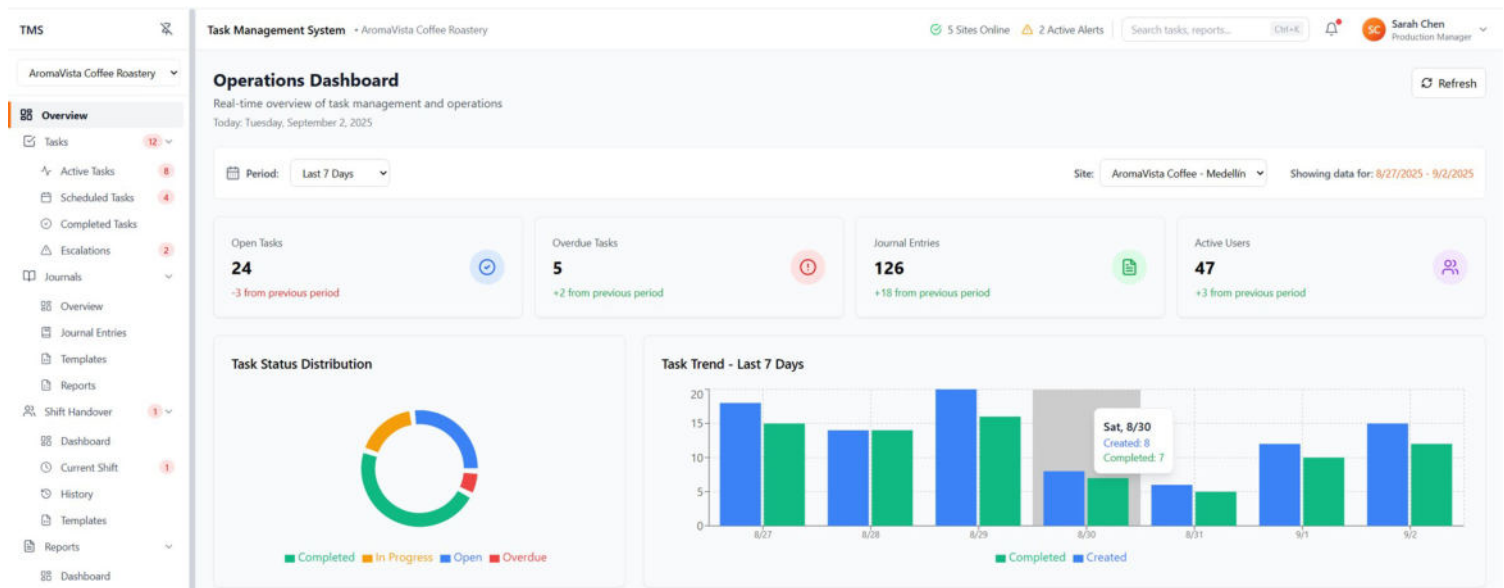


DATASHEET

Task Management System

Empowering Operational Excellence Across Every Shift.

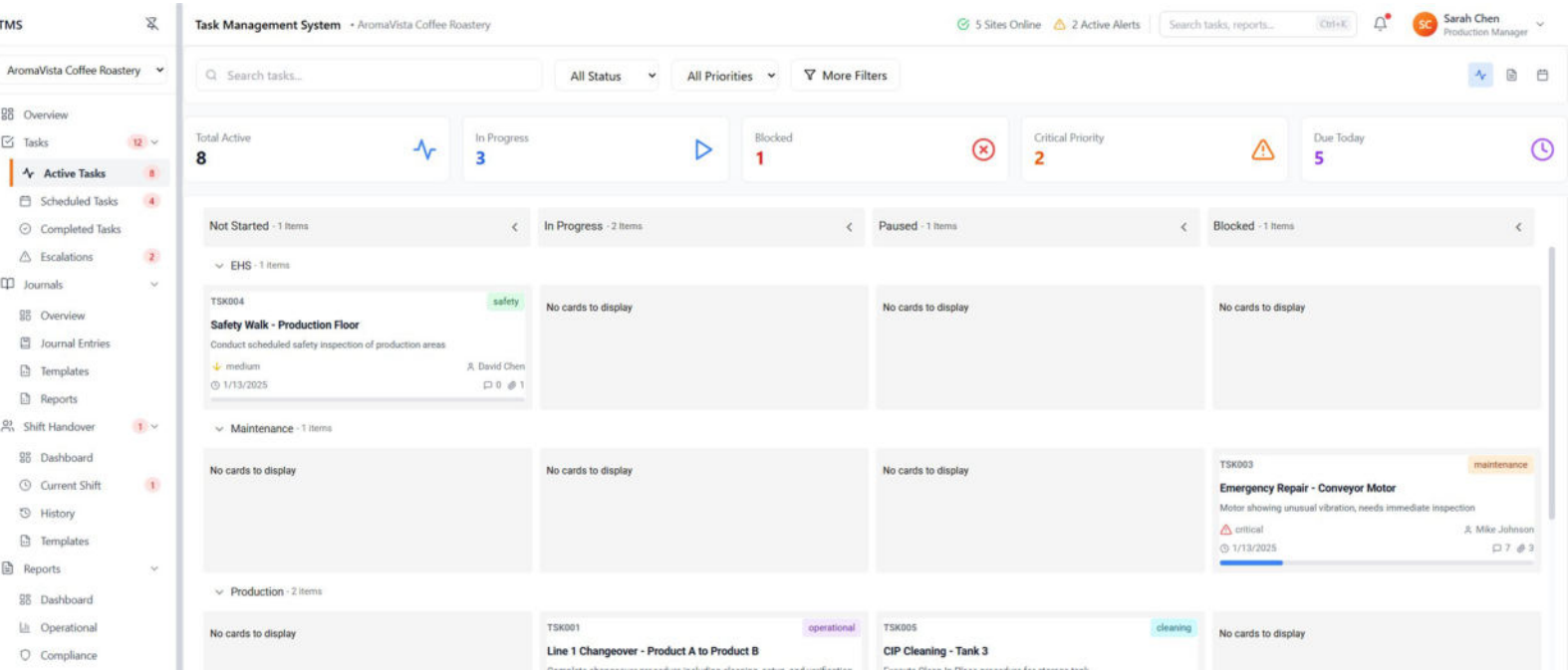
The LOGICAL SYSTEMS Task Management System (TMS) application unifies electronic logbooks, operational journals, task scheduling, and standardized shift handover into a single operator-first workspace. Built on the Inductive Automation's Ignition® Perspective platform, the TMS app eliminates fragmented paper binders, spreadsheets, and ad-hoc communication by enabling structured, real-time information flow across operations, maintenance, and quality teams. Manufacturers face costly inefficiencies from missed tasks, poor handovers, and unstructured communication. The TMS app addresses these challenges by replacing paper notebooks and scattered emails with auditable, searchable digital logbooks. Shift handovers are standardized through guided packs, roll-forward of open items, and secure e-signatures, ensuring no critical information is lost. Work planning and scheduling become shift-aware, with SLA timers and escalation workflows keeping tasks on track. Tasks and log entries can even be auto-generated directly from Ignition tags, alarms, or historian conditions, ensuring immediate action when thresholds are breached. Safety and compliance are strengthened through permit integration, mandatory fields, audit-ready packs, and validated signatures. Decision-making improves by combining human-entered context with historian, OEE, and EMS data, while embedded SOPs, training videos, and competency sign-offs build workforce knowledge and confidence over time.



Delivering a comprehensive set of capabilities, the TMS app is designed to streamline operations and strengthen collaboration. Electronic logbooks capture entries with categories, attachments, and e-signatures, while task scheduling supports recurrence, SLA tracking, and escalation to keep work on schedule. Automated triggers from Ignition tags, alarms, and historian data ensure critical tasks are never overlooked. Journals enable threaded comments, mentions, and multimedia capture for richer collaboration, and guided shift handovers provide dual acknowledgment and auto-generated reports for continuity. Operators benefit from mobile and offline support with photo, video, and voice capture, as well as integrated training tools and competency sign-offs. For enterprise-wide consistency, TMS offers cross-site governance with template libraries, alongside compliance-ready audit packs and exports that simplify reporting and regulatory adherence.

Structured Operations

End-to-End Continuity and Clarity



Comprehensive Shop-Floor Coverage

TMS brings structure and clarity to every aspect of daily operations. Electronic logbooks replace fragmented paper binders and emails with standardized entries that include categories, attachments, validations, and e-signatures. These auditable, searchable records create a single source of truth that preserves knowledge across teams and shifts.

Operators gain confidence knowing that critical details are captured and accessible, while supervisors benefit from transparency and accountability built into every log.

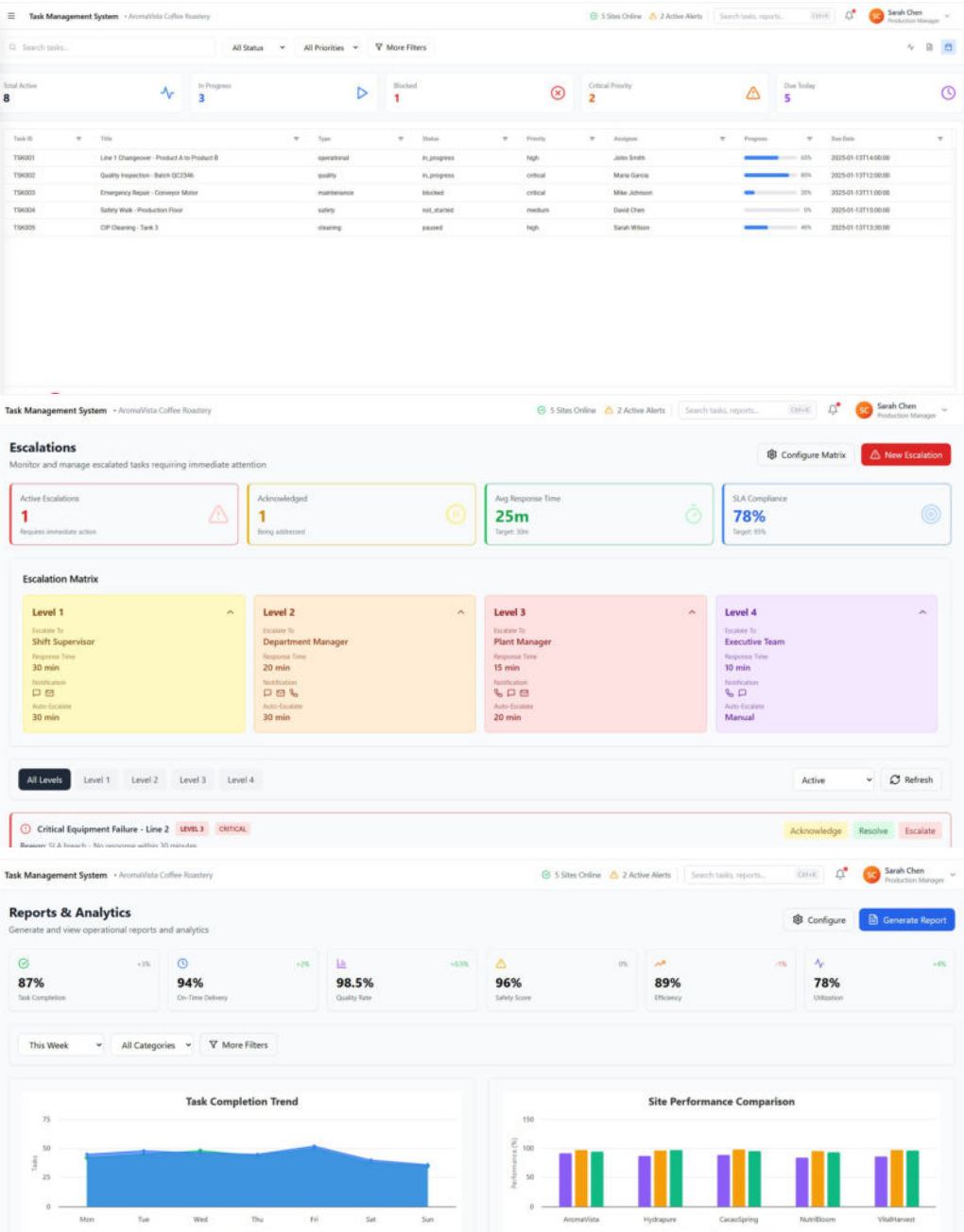
Task management and scheduling provide powerful yet intuitive tools to keep operations on track. Calendar and shift-aware views ensure tasks are assigned at the right time, to the right people, with recurrence, SLA timers, and escalation workflows preventing items from slipping through the cracks. Automated triggers from Ignition tags, alarms, or historian conditions transform reactive firefighting into proactive control, creating tasks or log entries the moment thresholds are breached.

This automation ensures issues are addressed quickly and consistently, without relying on tribal knowledge or chance communication. Beyond tasks and logs, TMS strengthens collaboration and continuity.

Journals and threaded discussions support richer context with mentions, photos, videos, and trend overlays, while improvement notes can be escalated directly into best practices.

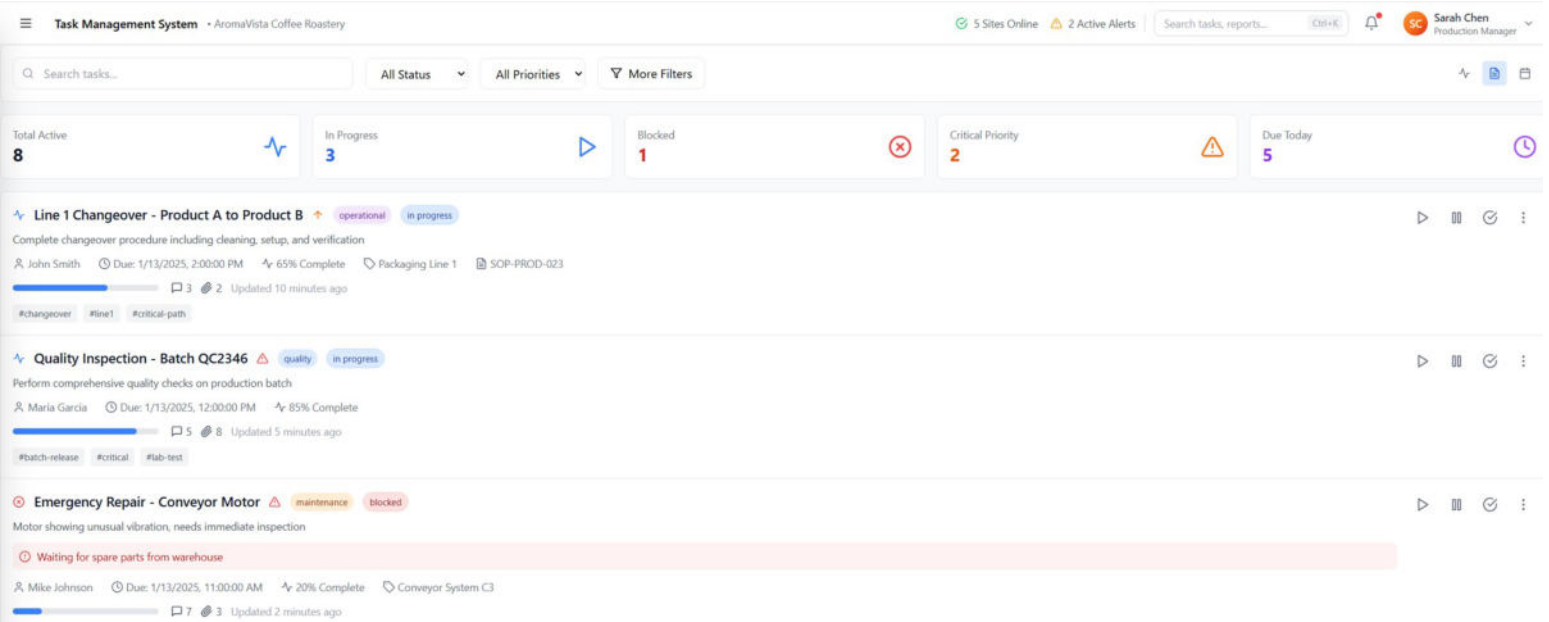
At shift change, a guided handover wizard consolidates open tasks, safety notices, permits, and log highlights into a structured, dual-signed workflow. Auto-generated reports and roll-forward of unresolved items ensure no context is lost, enabling teams to hand over operations seamlessly.

With TMS, every shift begins where the last one left off: well informed, aligned, and ready to perform.

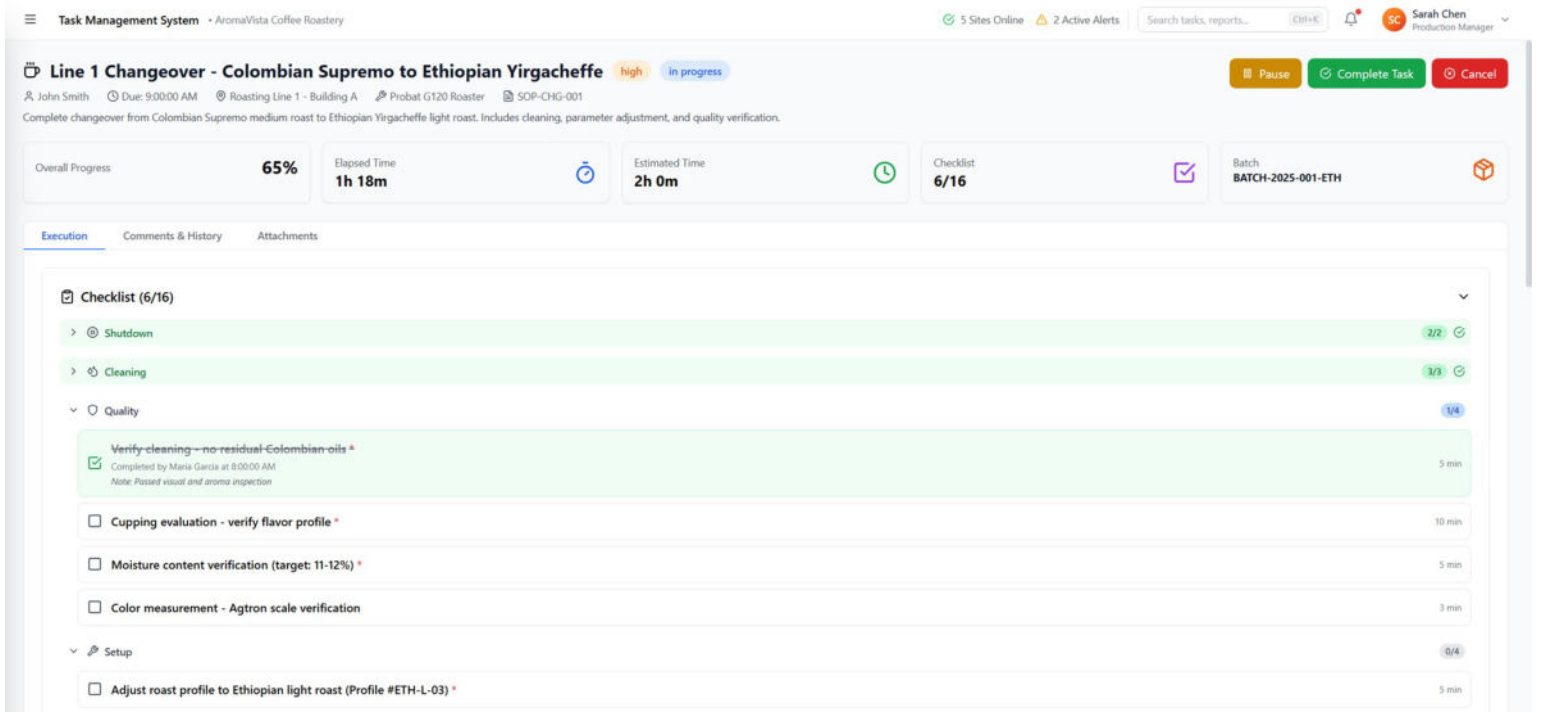


Hierarchical Contextual Modeling of Operations, Tasks, Logs & Shifts

The LOGICAL SYSTEMS TMS app employs structured enterprise and site hierarchical modeling to mirror the way operations are actually organized, creating a digital twin of your task and shift framework. From enterprise-wide views down through sites, production areas, lines, and individual assets, the system aligns seamlessly with ISA-95 standards. This structured hierarchy enables automatic aggregation of open tasks, logbook entries, and journal activity from the operator level up through area, site, and enterprise totals. For example, a typical production facility can roll up hundreds of daily operator tasks into area dashboards, which then provide supervisors with a consolidated picture of workload distribution, escalation patterns, and unresolved items across multiple departments. This hierarchical modeling enables precise accountability, cross-departmental visibility, and identification of bottlenecks or risks at any organizational level.



Automation rules eliminate the reliance on manual tracking while providing unlimited possibilities for proactive task generation. The system supports configurable triggers that automatically create tasks or log entries based on events such as Ignition tag thresholds, alarm states, historian conditions, or operator inputs. These automated rules can capture scenarios like “temperature above limit,” “alarm unacknowledged beyond duration,” or “asset running outside baseline,” and immediately generate structured tasks complete with attachments and context. The platform executes these rules in real time, updating assignments within seconds of an event and issuing warnings or escalations when thresholds are exceeded. This automation delivers the responsiveness and consistency needed for operational reliability without adding complexity for the end user.



The TMS app seamlessly connects task execution with real-time plant activity, ensuring that operators act on events as they happen. Once created, tasks are delivered into shift-aware calendars, Kanban boards, or mobile devices, where operators can execute them with attachments, SOP links, photos, and e-signatures. As progress is logged, updates are visible to supervisors in real time, enabling immediate tracking.



Key Features and Benefits

Features

- Unlimited unified electronic logbooks with categories, attachments, and e-signatures
- Task scheduling with recurrence, SLA timers, escalation, and Kanban views
- Automated task creation from Ignition tags, alarms, historian patterns
- Guided shift handover with dual sign-off, auto-reports, and open-item roll-forward
- Journals with threaded comments, mentions, photos, videos, and trend overlays
- Knowledge integration: SOPs, training videos, competency sign-offs
- Mobile/offline mode with voice, photo, and video capture
- Cross-site governance with enterprise template libraries and site overrides
- Permit-to-Work integration with risk acknowledgments
- Role-based security with SSO/AD/LDAP support
- CMMS, ERP, OEE, EMS, and historian integration
- Compliance-ready audit packs and immutable records

Benefits

- 20-40% faster issue closure via SLA workflows and escalation
- 50% fewer missed handovers with guided packs and dual acknowledgments
- 30-50% reduction in ad-hoc communication by consolidating tasks and journals
- Stronger compliance with audit packs, e-signatures, and CFR 21 Part 11 controls
- Improved operator productivity through mobile capture and offline sync and safer operations with permit linkage, mandatory fields, and risk scoring
- Knowledge retention & workforce empowerment via embedded SOPs and training
- Cross-site transparency with enterprise dashboards
- Rapid ROI within 6–9 months through faster closures, fewer delays, and reduced errors

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

LOGICAL SYSTEMS

TMS

**Where Every Task Builds Confidence,
and Every Shift Hands Over Success.**

**Manufacturing isn't just machines and data. It's
people, knowledge, and continuity.**

**The LOGICAL SYSTEMS TMS app turns tasks, journals,
and handovers into an empowering digital framework
that ensures no detail is lost and every operator is
supported.**

LOGICAL SYSTEMS
AUTOMATION & INTEGRATION SERVICES

Specialists in Automation & Digitalization for Manufacturing Industries

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