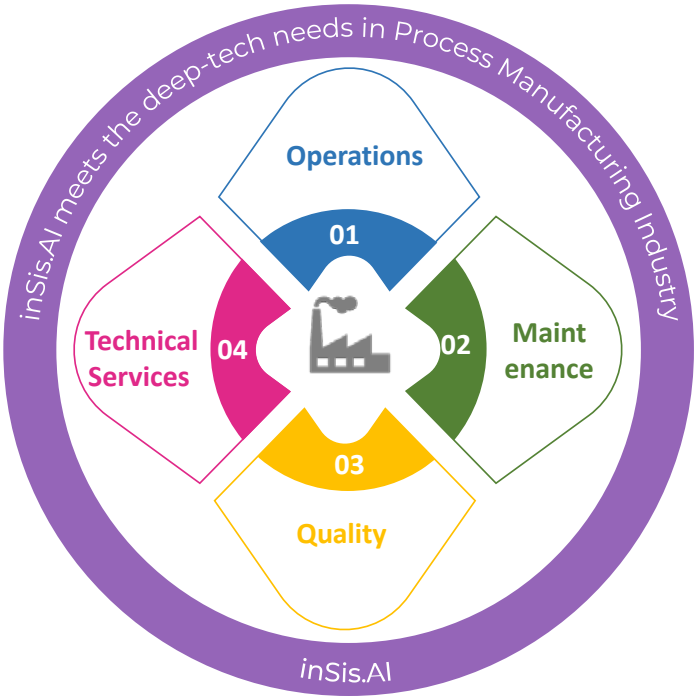
Jaaji Technologies
Sophistication with Simplicity

PARTNER IN DIGITAL TRANSFORMATION OF PROCESS INDUSTRIES

- Industry 4.0 Solutions
- Data Analytics & Visualizations
- Integrated & Scalable Platform
- Quick & Collaborative Decision-making

The Solution: An integrated platform for Digital Transformation

Meets various needs across **Operations**, **Maintenance**, **Quality** & **Technical Services** in your Digital Transformation Journey



Connected-worker Platform

- Digital Operations Logbook
- Digital SOPs, Integrity Operating Window, inSis Forms
- E-BMR – Batch Manufacturing Records Management
- Safety Interlock Bypass Management System
- Alarm Management, Permit-to-work, Kaizen, LOTO
- CMMS & Digital Maintenance Check-Lists
- Asset Performance 360
- Predictive Analytics for Asset anomaly detection
- Electrical Relay and Power Quality Monitoring
- Laboratory Information Management System
- Quality Management System
- Performance Management System
- Data Historian, Analytics, Reports & Anomaly Notifications
- Batch Analytics & AI-based Batch Monitoring
- Energy Management & ABT/DSM System
- Native Mobile Apps
- inSis.AI - An AI Enabler for Diverse Industrial Use Cases

Chart-Topping Products

Performance Management System (PMS)

Comprehensive solution for all the information of your process plant – Process, Asset, Quality, Environmental - a single source of truth across different stakeholders.

Features

- Integrated Data Management: Reads data from sources like DCS, LIMS, third-party Historians and IT/OT apps, through built-in connectors and exports
- Accurate Dashboarding: Automated, role-based and no-code analytics & visualizations
- User-friendly: Self-configurable with purpose-built advanced analytical views and event-driven alerts

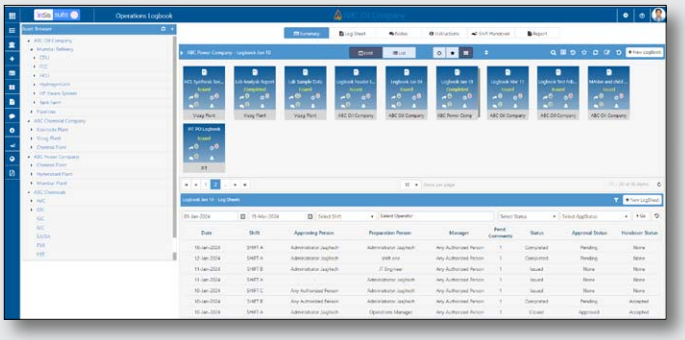
Benefits

- All-in-one platform with lowest TCO among similar solutions
- Entire plant data available on-the-go on your mobiles
- Simplifies and expedites decision-making by more than 50%
- Saves up to 75% of time in data analysis

Facilitate the decision-making of your plant personnel through 33+ self-service visualizations and analytical views.

Digital Operations Logbooks

The Digital Logbook digitizes ‘paper logs’ - allows instructions to be logged and tracked, replicates offline activities like shift handover, checklists, comments, instructions in the digital form - to seamlessly manage day-to-day plant operations.



Features

- Digital Logbook Management : Eliminates papers/ binders, manual bookkeeping by storing the field data & comments centrally
- Data Collection : Collects data from multiple sources - DCS, LIMS, EMS, MS, SAP etc.
- Shift-Handover : Facilitates safe and effective shift hand-over between incoming and outgoing shift personnel
- Instructions Module : Provides instructions from the Manager to Operations team
- Comments : Operator / Shift In-charge comments can be tracked and made visible to multiple teams in a structured way
- Data Analytics : Helps to analyse the data and gain meaningful insights through powerful visualizations for optimized operations.

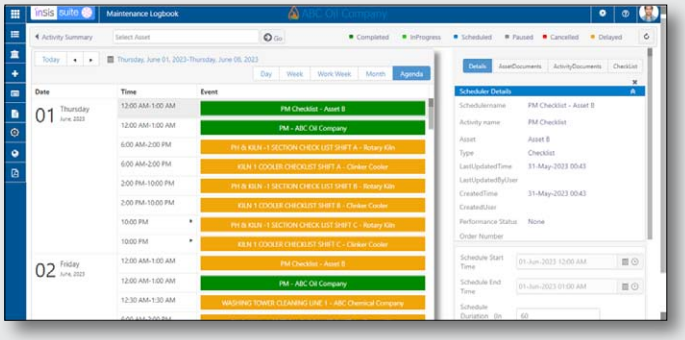
Benefits

- Improves safety and compliance by smooth shift handover process
- Reduces time & effort of logistics and housekeeping of manual logbooks
- Saves man-hours for logbook data collection, calculations and presentation by 80%
- Reduces the time for root-cause analysis of issues by 50%

Track the asset and process performance real-time using digitalization technologies.

Digital Maintenance Logbooks

Digitizes the maintenance activities of the various assets, geotags them for better identification, integrates with other systems, consolidates asset and process data and provides powerful analytics and visualizations.



Features

- SAP Integration: Asset information and PM Schedule can be integrated seamlessly through RFCs
- Maintenance Scheduling: PM schedules can be defined through inSis or can be synchronized from SAP
- Automated Reports: Equipment history card, outage report and abnormality report can be automated for easy collaboration
- Asset-wise Checklist: Checklists and Logbooks are configurable for each asset
- Contextual Asset Analysis: Asset Analysis can be done alongside process data, enabling a comprehensive, end-to-end assessment

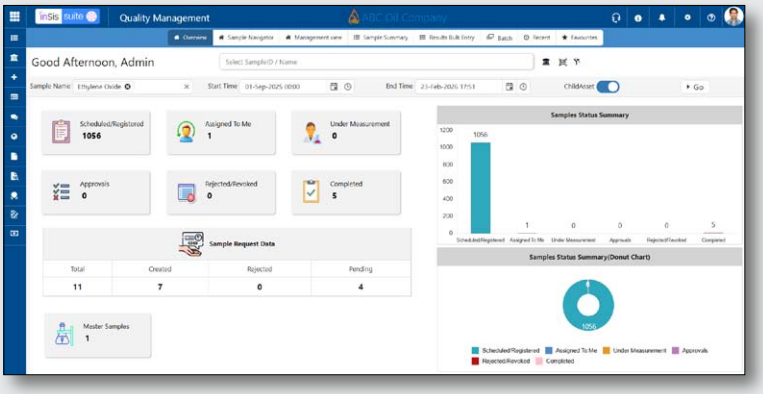
Benefits

- Simple visualizations and associated analytics save up to 80% time on data handling
- Cost savings resulting from decreased downtime and energy efficiency pays back your investment in less than 12 months.
- VAPT-certified application maintains data confidentiality and ensures digital safety
- Optimal maintenance management can increase asset lifespan by 5% to 10%

Empower your plant with the digital maintenance logbook, improving collaboration among teams and access to critical asset maintenance data.

Laboratory Information Management System (LIMS)

LIMS facilitates a paperless laboratory environment by offering digital tools for all aspects of lab operations - serving as a centralized platform.



Features

- Workflow Support: LIMS offers detailed workflows for sample life cycle management
- Data Management: Involves recording of master data and various reports associated with lab samples, and provides real-time reporting and analysis
- Auto-emailing of Lab Reports: Summaries and reports of lab results are sent by units or sections, on predefined schedules
- Compliance Support: LIMS include functionalities that promote compliance with regulatory standards

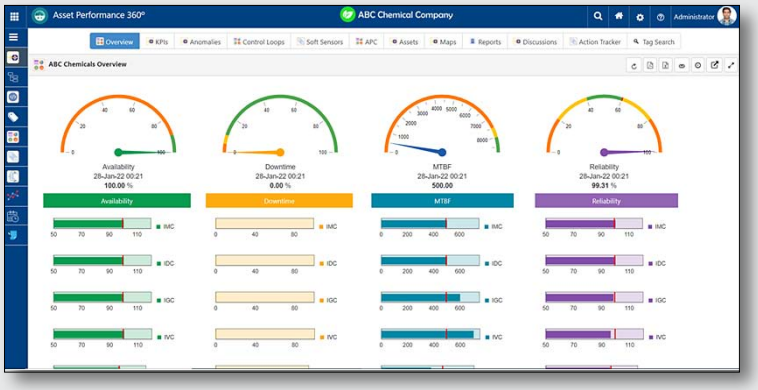
Benefits

- Improved data accuracy and integrity
- Simplified processes and reduced manual efforts
- Simplified and unified access to LIMS data
- Easy update of lab data in ERP system

LIMS enhances lab performance, reduces errors, and ensures compliance with industry standards.

Asset Performance 360

This provides a 360-degree view of critical assets to guide the operations team to take pre-emptive action.



Features

- Unified View: Asset KPIs, Alerts, Anomalies & Reports in a single solution with the capability to drill down to the finest asset level
- Root-Cause Analysis: Automated reports and dashboards for easy RCA
- Status Updates: Live Status and historical trends of every parameter of all assets
- Health Profile: Profiling of each asset for detailed study

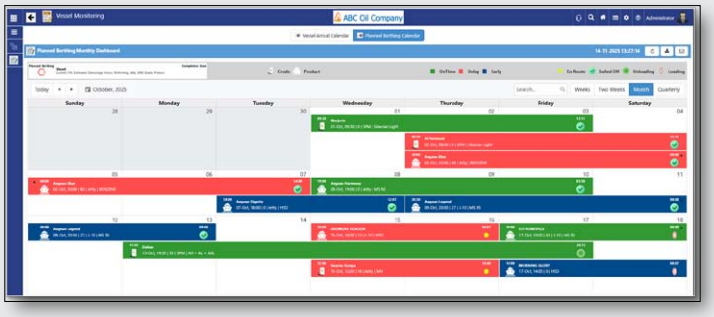
Benefits

- Increases reliability and availability of critical assets
- Saves man-hours by 75% for data collection & reporting
- Improves visibility of critical operation parameters
- Reduces trouble-shooting time by 50%

Improve reliability monitoring and streamline your critical assets for increased productivity.

inSis Forms

It is a metadata-driven platform designed to bridge the gap between complex data needs and rapid deployment. It enables enterprise-grade transactional handling and near-instant UI rendering through simple configurations.



Features

- Rapid App Development: Enables quick application development without traditional coding
- Modular Design: Creates new forms, screens, and business workflows in minutes
- Zero / Low Development Effort: Enables modification of UI layouts without system re-development
- Data Linking and Traceability: Links historical records using tags

Benefits

- 25% savings in code developer's time with quick application development
- Diverse UI experiences with same configuration and multiple presentations
- Improved enterprise agility with extensible design
- Substantial cost reduction with 12 month pay-back period

inSis Forms builds agile applications by replacing traditional coding with a No-Code/ Low-Code platform

Permit To Work Solution

A digital platform that streamlines the entire permit lifecycle into a single interface, providing real-time visibility and ensuring maximum workplace safety and efficiency.

Features

- Automated Digital Workflows: Provides a fully digital, paperless workflow that eliminates physical signature delays through role-based approval structures and real-time dashboards
- Centralised System for Permit Records: Ensures compliance through policy-driven workflows and automated document generation for regulatory submissions
- Integration & Connectivity: Syncs permit data with digital logbooks and CMMS to align safety workflows with maintenance schedules, and links directly to LOTO procedures

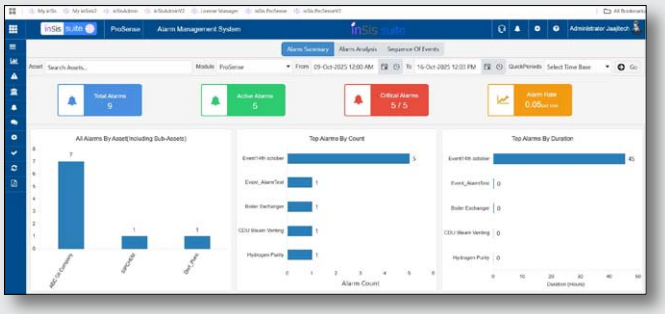
Benefits

- 50% savings in approval time with fully digital permit workflows
- Promotes collaboration with Operations, Maintenance & Safety Teams on ONE platform
- Guaranteed safety compliance and audit-ready transparency

Permit to Work solution enables EHS protocols with an end-to-end digital permit-to-work system

Alarm Management System

This transforms overwhelming alarm data into actionable insights to eliminate ‘alarm fatigue’, to ensure operators focus on what truly matters



Features

- Intelligent Alarm Rationalisation: Features automatic detection of chattering and fleeting alarms with advanced tools for alarm shelving
- Omni-channel Notification: Delivers real-time alerts via WhatsApp, SMS, and email
- Standardized Governance: Fully compliant with ISA 18.2 and EEMUA 191 standards
- Enterprise-Grade Integration: Provides native support for OPC-UA, DA, and AE protocols to ensure seamless connectivity with diverse DCS, PLC, and SCADA systems.

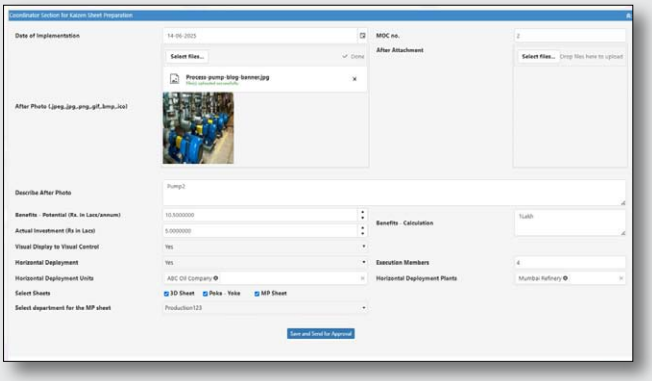
Benefits

- 20% faster recovery from process upsets and elimination of alarm fatigue
- Rapid incident RCA and instant upset reconstruction with SOE dashboards & trend comparisons
- Enhanced operator decision support and omni-channel critical notifications

Transforming alarms into actionable insights to enhance operational safety through intelligent alarm rationalisation

Digital Kaizen Solution

It streamlines the continuous improvement lifecycle by digitally capturing small, ongoing refinements from every employee, to eliminate waste and standardise best practices.



Features

- Centralised Portal for Idea Capture: Provides a structured portal with category-based idea sorting, enabling employees to easily submit and categorise their ideas
- Real-Time Impact & Progress Tracking: Provides up-to-the-minute insights into the status and performanceof Kaizen initiatives
- Collaborative Tools: Shared spaces and automated notification loops and centralised knowledge repository to store implemented ideas

Benefits

- Better idea generation and faster idea-to-implementation with end-to-end workflow management
- Empowers your workforce to drive measurable gains in productivity, safety, and cost reduction
- Greater employee engagement fostering a sustainable culture of operational excellence

Unleash innovation by digitalising continuous improvement - capturing ideas, continuously tracking progress, and driving results

Why Jaaji Technologies

A Technology Leader In Manufacturing Analytics

Our solutions deliver a powerful combination of scalability, re-configurability and versatility for multiple use-cases. Jaaji Technologies help manufacturing companies in their digital transformation journey by providing various digital solutions which are Made- In- India and cost-efficient. These solutions enhance the efficiency, profitability and operational ease of manufacturing plants.

Technologies
- Industry 4.0 Solutions
- Multiple Industry Standard Protocols
- Industrial IoT

Sophistication
- Advanced Analytics Engine
- Proprietary Platform Without 3rd Party Tools
- Cyber Security & VAPT Compliant

Customer-Friendly
- No/Low-code Platform with Self-service
- Reconfigurable with Modular Products
- Every 1-Second Refresh as per Client Requirement

Data Security
- On-Cloud Solution
- Multi-Tenant Features & Access Controls
- On-Premise System accessed through Active Directory

Return on Investment
- Variable Pricing based on Number of Tags
- Pricing at One-third of Top Global Players
- Significantly lower'Total Cost of Ownership'

Industries Present

Refinery | Oil & Gas | Steel | Fertilizers | Power & Renewables | Chemicals

Metals & Mining | Food | Cement | Sugar | Paper & Pulp | Dairy

Clients

JSW | Nayara Energy | Essar Oil UK | sembcorp | RP-Sanjiv Goenka Group | Tata Steel | HP | AM/NS India

IndianOil | NTPC | RattanIndia Power Limited | NSL Sugars | GAIL | Aditya Birla Group | ONGC

ONGC MRPL | vedanta | NLC India | Galaxy | DODLA | Chandpur Paper Leading with Values

Jaaji, the Telugu word for Jasmine flower, stands for simplicity of form and a captivating, heady scent. Jaaji Technologies too stands true to this spirit through its tagline 'Sophistication with Simplicity', combining the expertise of manufacturing with software development skills, to power the digital transformation of process industries. This is achieved by generating industry-centric data analytics that facilitate prompt decision-making.

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