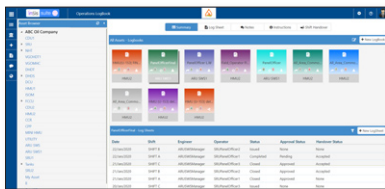


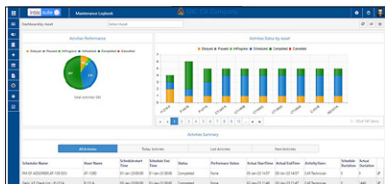
PARTNER FOR DIGITAL TRANSFORMATION OF PROCESS INDUSTRIES



Jaaji Technologies



Digital Operations Logbook



Digital Maintenance Logbook

CIO 10 MOST PROMISING
ENERGY & UTILITY
TECH COMPANIES - 2022

Awarded 'Most Promising Energy & Utility Tech Companies – 2022' as per CIO Tech Outlook 2022

Digital Operations Logbook

Digitalizes data entry in the field and at the operator panel with intuitive analytics



A Digital Operations Logbook simplifies data capture, streamlines shift handover, and establishes traceability of all actions taken in the field for quick reference; empowering you to seamlessly manage day-to-day plant operations.

InSis Digital Operations Logbook encourages collaboration among teams

Key Features



Comprehensive Operations Management Platform

Collects, stores, visualizes and analyzes process related information
Seamless integration with Interlock Bypass, Safe Limits Db



Data Collection Automation

Collects data from DCS, LIMS, EMS, Tanks, SAP
Auto-fills logsheet for review, validation and update



Bi-directional Shift Handovers

Tracks the time of handover and the notes captured
Minimizes communication errors



Role-based Instructions Management

Handles both temporary and permanent instructions
Tracks instructions until completion

Major Benefits



Upto 50% Savings in Operator's Time

Significant reduction in time of plant personnel while driving traceability and effective monitoring of the plant



Operational Safety

Highlights anomalies & deviations and triggers alerts



Real-time Data Analytics

Connects to control systems and provides real-time tracking of assets & process performance



100% Accurate Reporting

Delivers data analytics, trends, dashboards, reports & notifications



Integration through RFCs



Data Source Integration



Re-usable Checklist Templates



Periodic Updates & Notifications



Drag & Drop



Mobile App Option



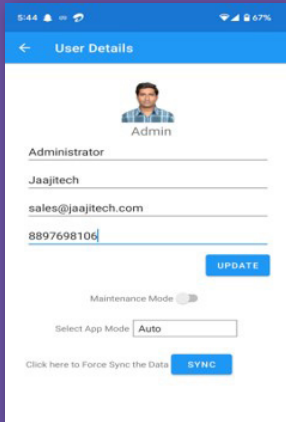
QR Code Enabled



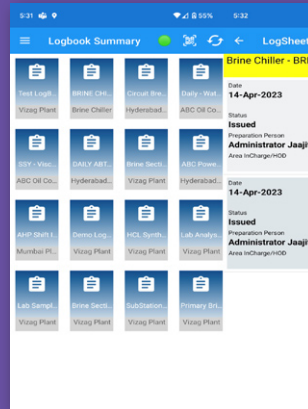
Cyber Security

How it Works?

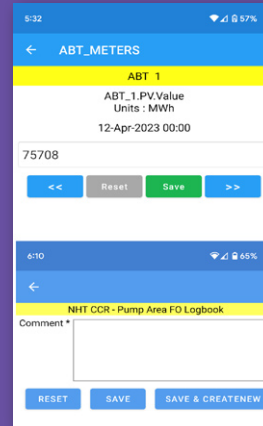
Step 1: Log-in with Credentials



Step 2: Select Logbook & Logsheet



Step 3: Enter Data & Comments



Step 4: Shift Handover



Manual Logbook & Digital Logbook – A Comparison

Manual Logbook	Digital Logbook
Tedious management of heavy paper logbooks, manual book-keeping	Comprehensive logbook management - centrally on a digital platform
Physically collects log sheets and summarizes data whenever required	Analyzes trends, summarizes or searches data & events - with a single click
Manually collects data from various data sources	Automatically collects data from DCS/ SCADA, Lab, SAP, EMS
Gathers inputs from field operators over phone	Automatic synchronization from field logbook into Historian for immediate reference

INDUSTRY USE-CASE

Client: Leading Refinery
Plant Location: Gujarat, India

Solution Installed

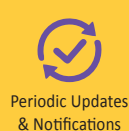
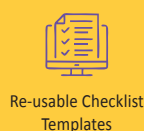
- Logbooks implemented: 100
- Hand-held devices: 60+

Deployment

- Integrated with client's existing Historian & other MES systems
- Covered around 15 units
- Both manual & automated data capture is implemented

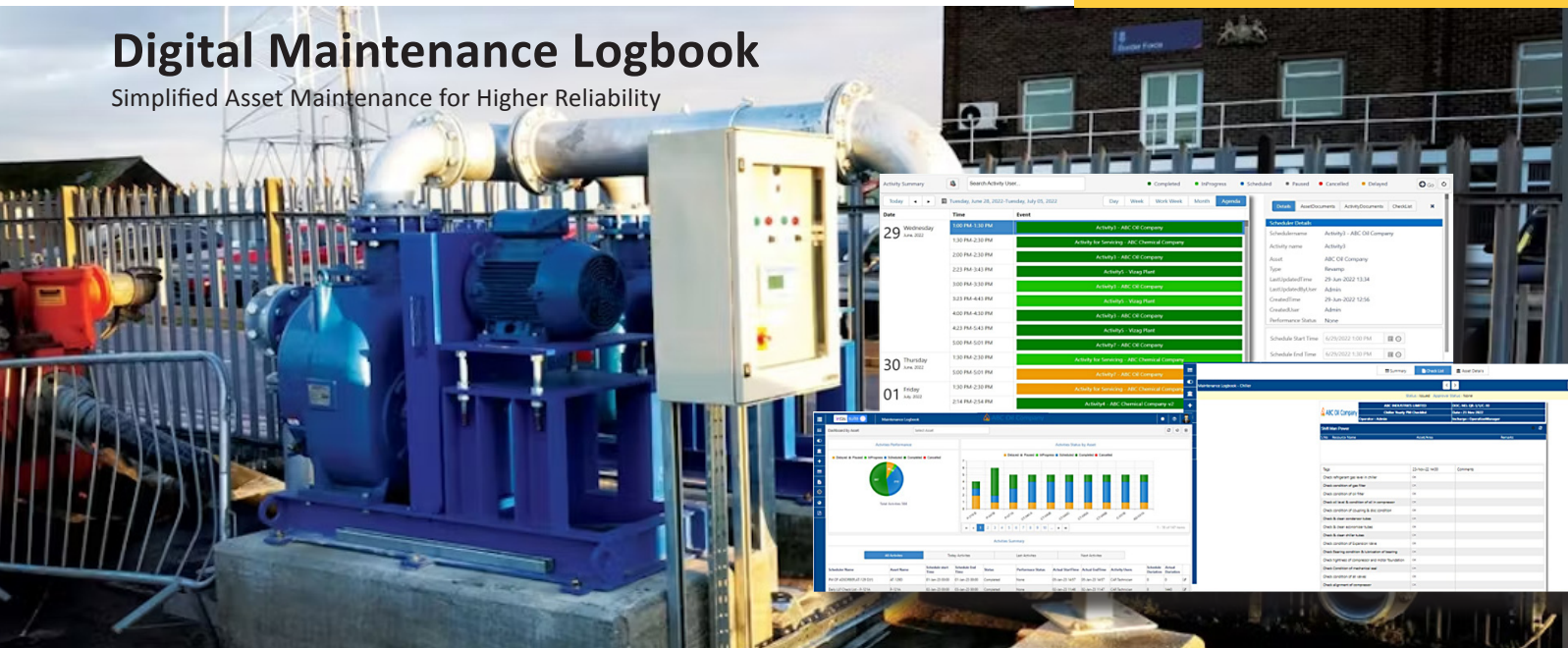
Functionalities Deployed

- Statistical analysis for process stability
- Instructions management
- Shift handover
- Deviation reports
- Automated dashboards



Digital Maintenance Logbook

Simplified Asset Maintenance for Higher Reliability



A digital maintenance logbook digitizes the observations of maintenance personnel, drives PM compliance through checklist, integrates with SAP or other maintenance systems and brings together the process and asset data.

Eliminate these common problems by digitalising your operations.

- Dispersed data of assets
- Low PM compliance
- Incomplete maintenance checks
- Isolated study of process and asset data

Key Features



SAP Integration

Asset information & PM schedule can be integrated seamlessly



Maintenance Scheduling

Compliance to PM schedule can be driven with automated reports & deviation reports



Asset-wise Checklist

Checklist & Logbooks are configurable for each asset



Automated Reports

Equipment history card, Outage report & Abnormality report can be automated for easy collaboration



Data-driven Decisions

Historical data & analytics for taking data-based decisions

Major Benefits



80% Time Savings

Saves your time used for data handling - with simple visualizations & associated analytics



Consolidated Information

Asset data & process data is seen in unison for contextual analytics



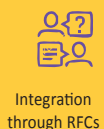
Stronger Collaboration

Centralized asset information for all maintenance teams to collaborate & improve asset life



Improved Asset Performance

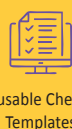
Asset availability improved by 5 to 10% with reduced downtime, improved OEE & timely interventions



Integration through RFCs



Data Source Integration



Re-usable Checklist Templates



Periodic Updates & Notifications



Drag & Drop



Mobile App Option



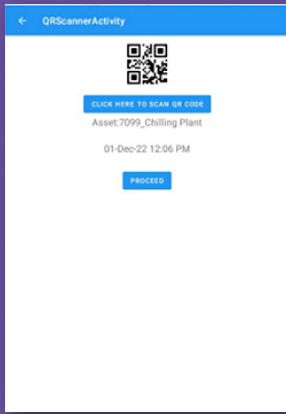
QR Code Enabled



Cyber Security

How it Works?

Step 1:
Login with QR Code



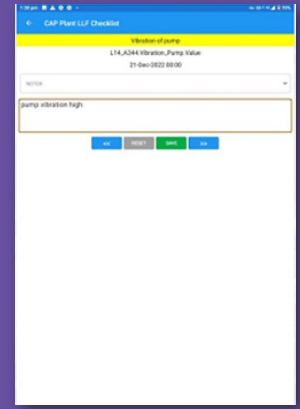
Step 2:
Select the Asset



Step 3:
Open Checklist



Step 4:
Enter Status / Comments



Manual Logbook & Digital Logbook – A Comparison

	Manual Maintenance Logbook	Digital Maintenance Logbook
	Dispersed data of assets, history in multiple locations	Geo-tagging & QR code ensures operational discipline during field visits
	Absence of previous asset records leads to a lack of data visibility	Data visualization & analytics provide real-time and historical data
	Lack of compliance to PM schedule, incomplete checks during LLF / PM visits	Integrates with SAP PM Module, Process Historian and other systems
	Maintenance instructions can go unnoticed or not complied	Collaborative as all instructions are seen by concerned team members

INDUSTRY USE-CASE

Client: Leading Player in VSF business

Location: Gujarat, India

Solution Installed

- Maintenance Logbooks: 10
- LLF Checklist: 5

Deployment

- PM Schedules synced from SAP through maintenance schedule RFC
- Auto schedules/ Report generation through e-mail for top management

Functionalities Deployed

- QR enabled checklist
- Automated PM compliance status
- Asset availability and reliability by type of asset

About Jaaji Technologies

Founded in 2013, Jaaji Technologies helps manufacturing companies in their digital transformation journey, by providing industry-centric data analytics and digitalisation technologies. Jaaji Technologies is a value-driven technology company bringing cutting-edge, cost-efficient solutions to transform the manufacturing sector.



Salient Features of our Platform



Cutting-edge Technologies

- Industry 4.0 Solutions
- Multiple Industry Standard Protocols



Sophistication

- Advanced Analytics Engine
- Cyber Security & VAPT compliant



Customer Friendly

- No-code / Low-code Platform & Self-service
- Granular to 1-second Refresh Rate



Data Security

- On-cloud / On-premise Options
- Access through Active Directory

Industries Served



Refinery



Oil & Gas



Steel



Fertilizers



Power & Renewables



Chemicals



Metals & Mining



Engineering



Cement



Sugar

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