

INSIS ALARM MANAGEMENT SYSTEM

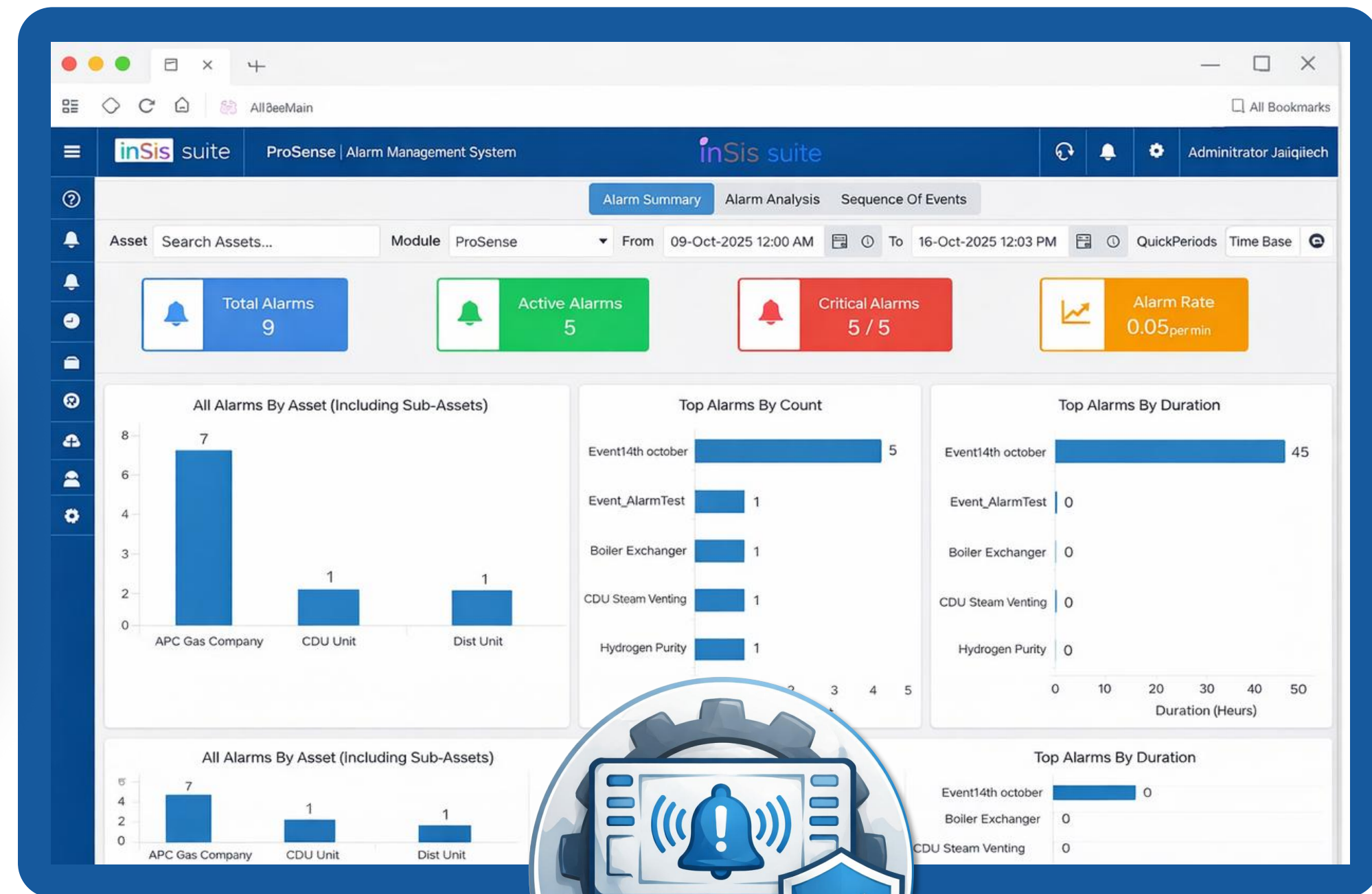
SMART ALERTS FOR INDUSTRIAL SAFETY



SOLUTION OVERVIEW

An Alarm Management System (AMS) collects, stores, analyzes the alarms from multiple industrial processes control systems. It helps to minimize This ensures improved safety, reduced downtime, and reliable operations.

- ✓ Improves operational safety
- ✓ Faster, data-driven decision-making with real-time insights
- ✓ Minimized downtime and reduced operational risks
- ✓ Supports compliance and better decision-making



KEY FEATURES



Collect, Store and Present alarms from multiple systems in one place



Real-time alarm monitoring with advanced analytics



Automated reports & interactive dashboards



Sequence of Events (SOE) tracking



Alarm Escalations & Notifications



Reconditioning SOPs for improved operational discipline



How Alarm Management Works

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The inSis Alarm Management System provides a structured approach to monitoring, prioritizing, rationalizing and responding to alarms with clear ownership and timely notifications.

With defined SOPs, task assignments, and escalation workflows, it ensures consistent alarm handling and faster issue resolution across the organization.

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ALARM PERFORMANCE & ANALYTICS

Alarm Rate

Monitor the rate of alarm occurrences



Setpoint Change Tracking

Track changes to setpoints and alarm limits



Acknowledgement Time

Measure acknowledgement & clearance time



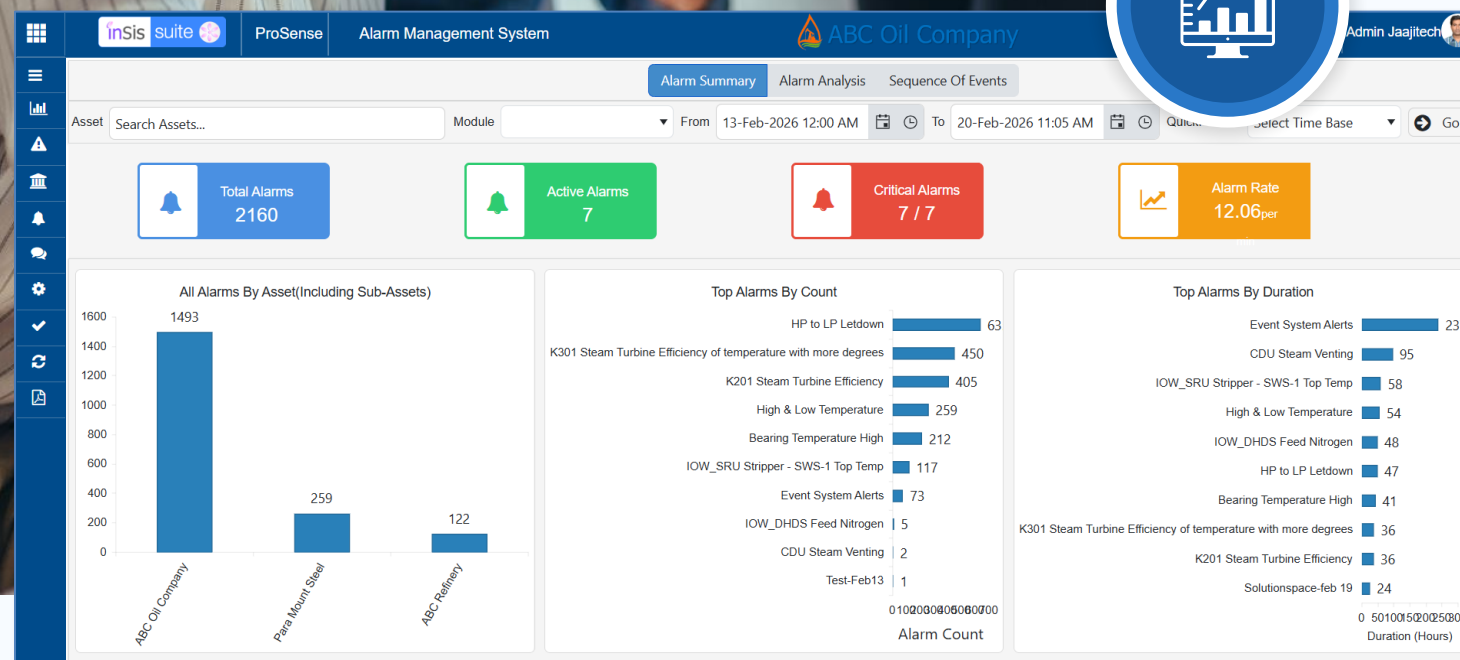
Deviation Mapping

Map alarms to process deviations



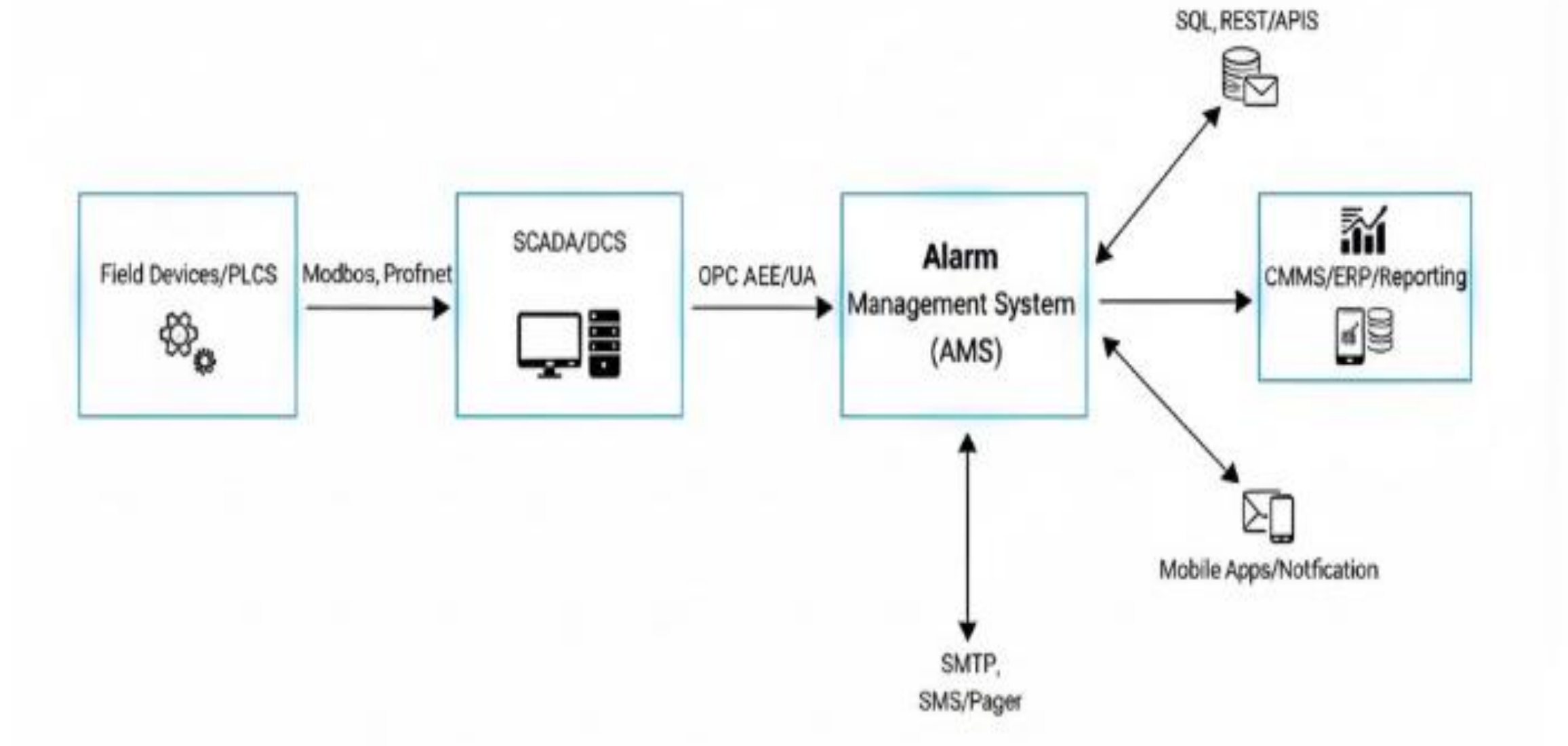
Trend Comparison

Analyze trends before and after rationalization



CONTROL SYSTEM INTEGRATION PROTOCOLS

- OPC-DA, OPC-AE, OPC-UA
- Ethernet / TCP-IP Communication
- ODBC, SQL, File-based Interfaces
- Web API

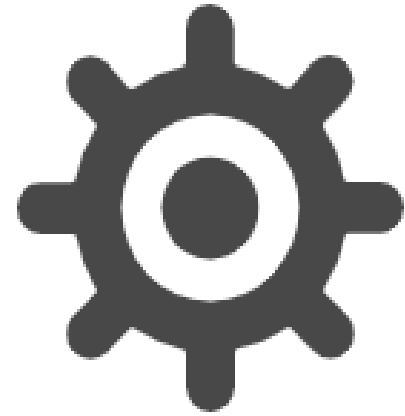


MAJOR BENEFITS



Enhanced Safety

Focused visibility on critical alarms reduces risk of incidents.



Improved Reliability

Continuous monitoring and alarm rationalization minimize downtime.



Operator Effectiveness

Clear prioritization and contextual insights support faster decisions.



Performance Tracking

Benchmarks alarm health through KPIs and intelligent reports.

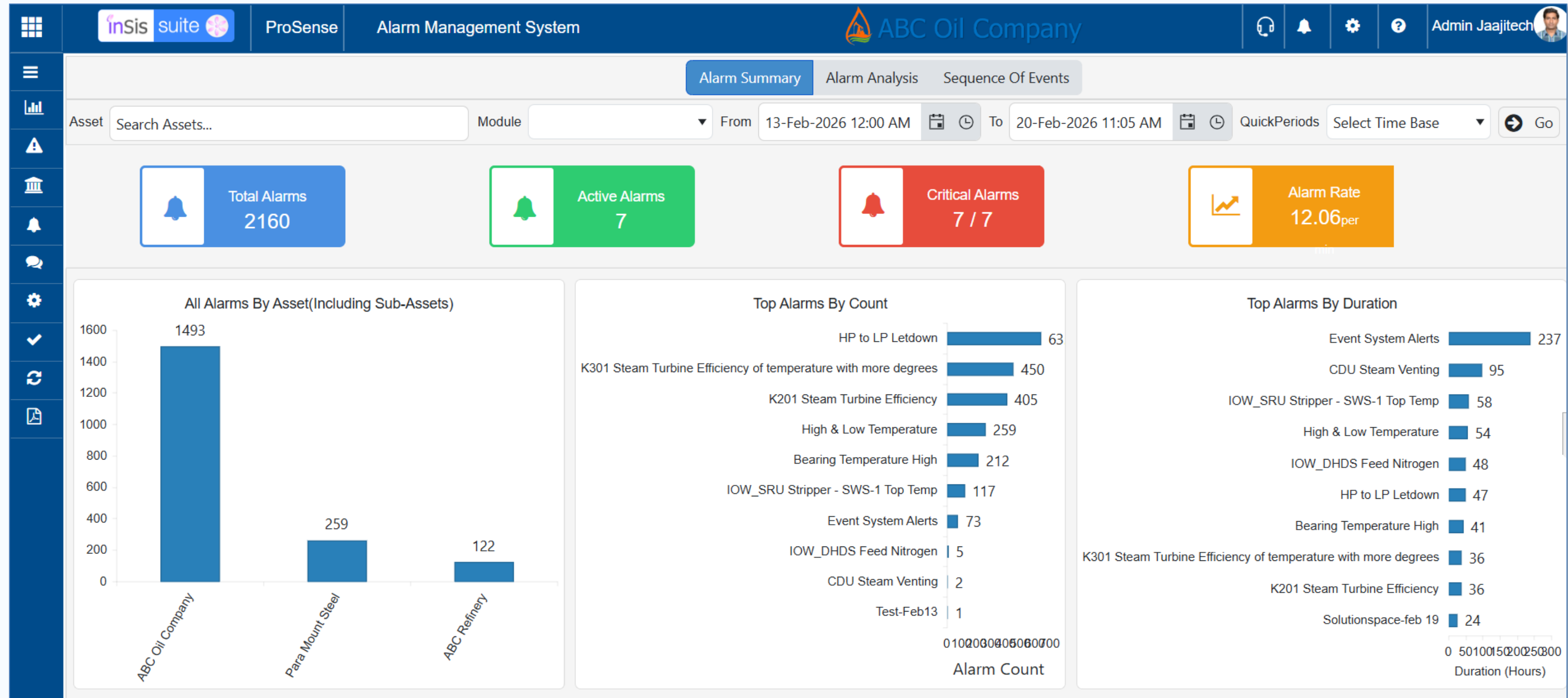


Global Compliance

Adherence to EEMUA 191, ISA 18.2, and IEC / BS 62682.

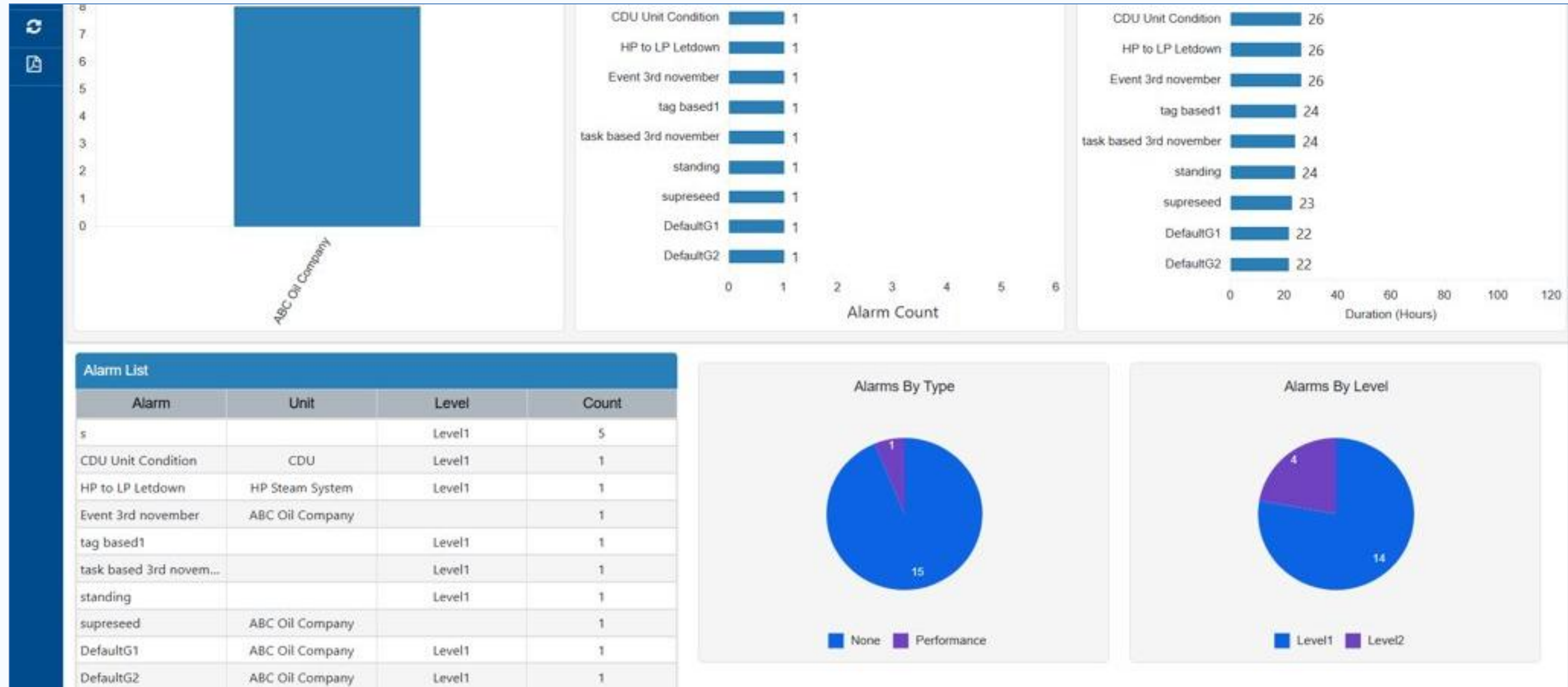
Alarm Summary Dashboard

The Alarm Summary Dashboard provides a real-time overview of all alarms generated in the plant or system. It helps operators and engineers monitor, analyze, and respond to alarms efficiently.



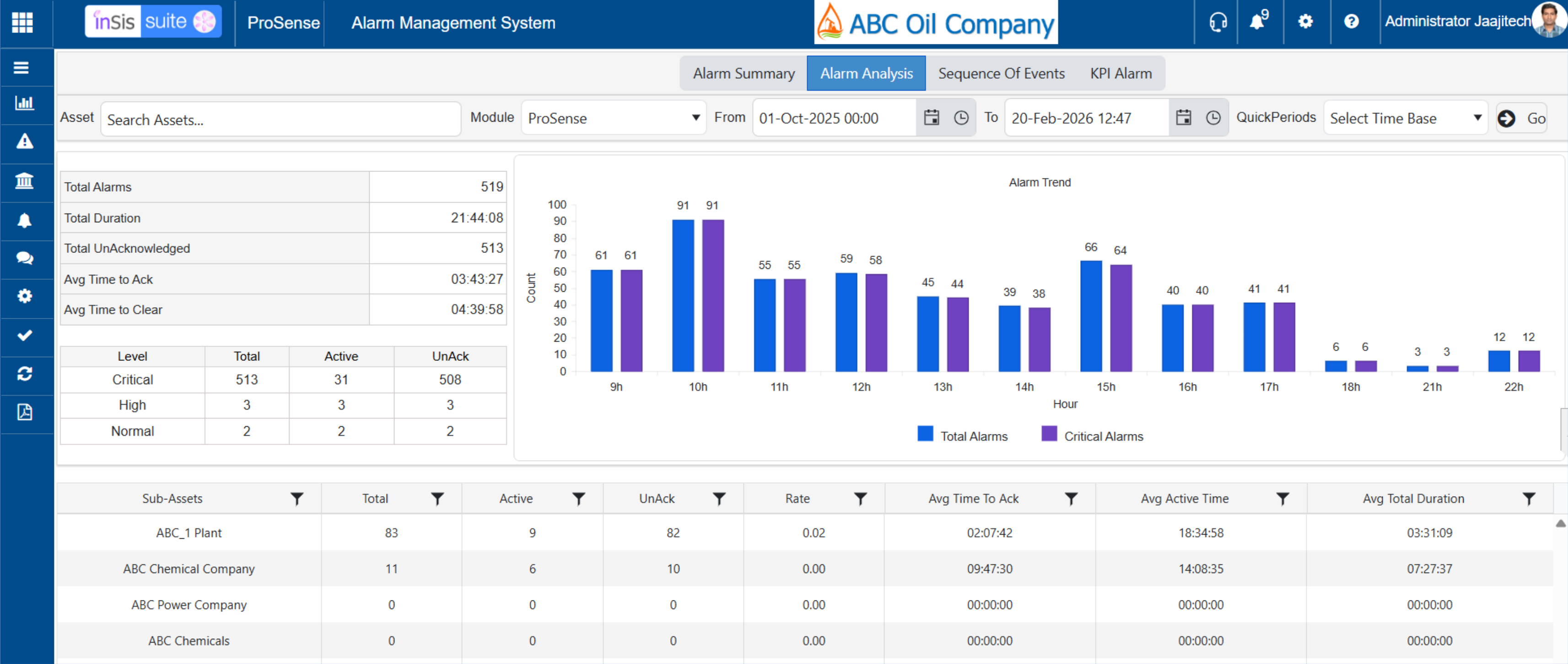
Alarm Summary Dashboard

This dashboard gives the overall status of alarms within the selected time period. Shows total alarms, active alarms, acknowledged alarms etc. Helps users quickly understand current plant alarm load and how many alarms are currently activated.



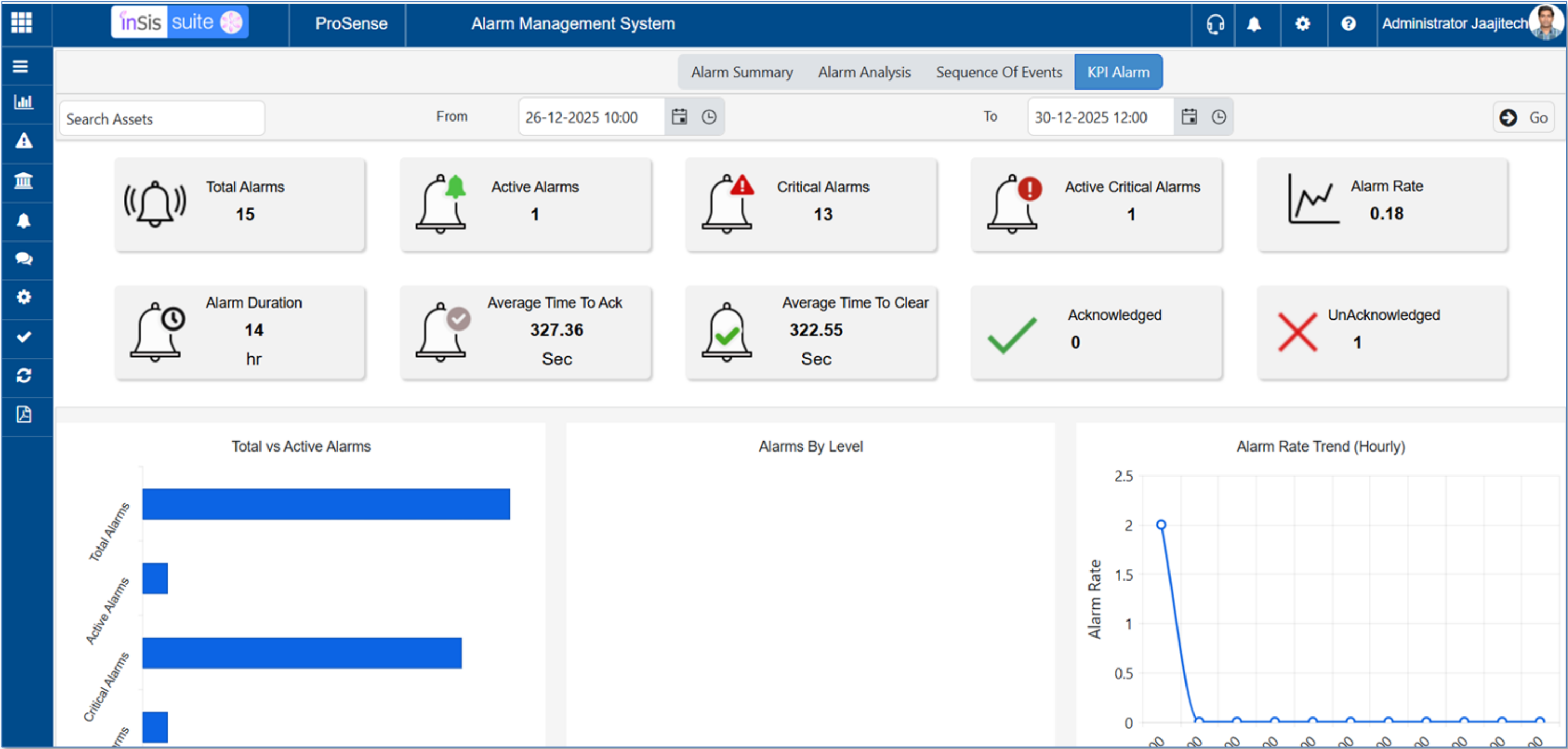
Alarm Analysis Dashboard

The Alarm Analysis Dashboard provides a detailed evaluation of alarm performance and operator response. It helps identify alarm patterns, frequency, and duration to improve alarm configuration and system reliability.



KPI Alarm Dashboard

In the KPI Alarm Dashboard, users can view the total number of alarms within a selected time period and filter them based on assets. Alarms can also be viewed in multiple formats in KPI Alarm dashboard.



Sequence of Events

The Sequence of Events (SOE) Dashboard offers a comprehensive timeline of all alarms and system activities. It enables operators and engineers to trace the precise order and timing of events, supporting quicker identification and analysis of incidents and process abnormalities.

Origin Ti...	Alarm	Asset	Priority	Status	Acknowl...	Criteria	Source	Message	Notificati...	Alarm Ty...	Data
2026-02-17 10:56:44	HP Stack Control	ABC_1 Plant	Level1	Activated	No	a>0			count notify	Conditional	👁
2025-12-29 09:33:43	K201 Steam Flow	ABC_1 Plant	Level1	Escalated	No	s>100		message	notify when act	Conditional	👁
2025-12-26 15:57:02	Evt-Alarm occ Excel-1	ABC_1 Plant	Level1	Escalated	No	A>10		Test notifiacion	Notify excel-1	Conditional	👁
2025-12-26 13:00:17	Alarm Tag occurences	ABC Chemical Company	Level1	Escalated	No	\${FI1506.PV.Val...			Alarm Tag occurences	Conditional	👁
2025-12-26 12:51:19	Alarm Tag occurences	ABC Chemical Company	Level1	Cleared	No	\${FI1506.PV.Val...			Alarm Tag occurences	Conditional	👁
2025-12-26 11:21:20	Count Alarm Occurences	Ammonia Synthesis	Level1	Escalated	No	COUNT>10			Count Alarm Occurences	Conditional	👁
2025-12-26 10:43:30	Escalation- AI mode	GasConcentrat...	Level1	Activated	No	A>10		46.986	Escalation- AI mode	Conditional	👁

Generative AI based RCA & Prescription

The system analyzes the operator actions and associated alarms and provides AI-based alarm summary which caused the Alarm, what follows and how this alarm can be addressed.

Operator Activities Analysis - E101 Boiler Stack Temperature_Above 200 DegC

Default Summary **AI-Based Summary**

Operator Trend Summary for E101 Boiler Stack Temperature Alarm

Detected Operator Actions:

- ▶ **FI1501.PV (Crude Feed Flow):**
 - ▶ *Step Change:* Around 19:26, the flow value increased sharply from approximately 480 M3/Hr to over 550 M3/Hr, indicating an operator adjustment aimed at stabilizing or increasing feed flow.
 - ▶ *Small Adjustments:* Minor fluctuations observed between 19:26 and 19:36, suggesting fine-tuning efforts.
- ▶ **FI1503.PV (HN Rundown):**
 - ▶ *Ramp Change:* A gradual increase in the HN Rundown value from about 9.0 to over 11.0 between 19:20 and 19:36, indicating a slow adjustment or response to process conditions.
- ▶ **FI1505.PV (GO Rundown):**
 - ▶ *Ramp Change:* A steady rise from approximately 80 to over 105 during the same period, reflecting a controlled increase in the GO Rundown.

Alarm Interaction:

- ▶ Prior to the alarm at 22:15, the feed flow (FI1501.PV) was trending upward, with a notable step increase just before the alarm onset, possibly contributing to rising boiler stack temperature.
- ▶ The gradual increases in HN and GO Rundown values suggest operator efforts to manage process conditions, but these adjustments coincided with the temperature exceeding 200°C, triggering the alarm.
- ▶ After the alarm was triggered, no significant operator actions are recorded to indicate immediate attempts to reduce or stabilize the temperature.

Operator Activities Analysis - E101 Boiler Stack Temperature_Above 200 DegC

- ▶ Prior to the alarm, the tag FI1501.PV (Crude Feed Flow) was within its normal range (approximately 432-594 M3/Hr), with no significant adjustments observed.
- ▶ During the alarm period, there is no clear evidence of large step changes or ramping in the feed flow or other related parameters. The data suggests the operator did not make noticeable small adjustments or steady interventions during this specific event.
- ▶ Historical data from May 2017 shows that operators previously responded to similar temperature alarms by adjusting feed flow or related controls, but no such actions are evident in the current dataset.

Alarm interaction:

- ▶ The alarm was triggered when the stack temperature exceeded 200°C, indicating a potential process upset or abnormal condition.
- ▶ The operator actions recorded do not show immediate corrective adjustments during this event, implying the operator may have monitored the situation or attempted to stabilize the process without significant manual intervention.
- ▶ The temperature remained high for about 10 minutes, but no clear actions are documented to have helped clear the alarm during this period.

Operator intent (inferred):

- ▶ The operator likely observed the rising temperature and possibly monitored the process without making large adjustments, perhaps intending to assess whether the temperature would stabilize or require intervention.
- ▶ The lack of significant adjustments suggests a cautious approach, possibly waiting for automatic control systems or process conditions to restore normal operation.

Final summary:

- ▶ On April 16, 2026, the E101 boiler stack temperature exceeded 200°C, triggering an alarm that persisted for about 10 minutes. During this event, no substantial operator adjustments were evident, indicating a period of observation or passive response. The elevated temperature likely resulted from process conditions that the operator monitored closely, with no immediate manual correction observed. This behavior aligns with previous similar events where operators responded to temperature excursions with minimal direct intervention, relying on process controls to restore normal conditions.





Auto Escalation with AI

In the Escalation settings, users can now enable the AI feature for event escalation. The initial event must be cleared first. After selecting the AI option and adding users for the first escalation interval, the system automatically calculates the subsequent interval timings to escalate the event.

Escalation To

Users Groups Roles Search Users... × AI Can Edit Add

Resource Name	Resource Type	Intervalvalue	AI Interval Min	Can Edit	
ProcessManager	User	-1	6	No	×
OperationEngineer	User	-1	6	Yes	×
JTEngineer	User	2	Minute	No	×

AUTOMATED REPORTS

- Alarm Summary
- Alarm Frequency Report
- Alarm Rate
- Standing Alarms Report
- Top 10 / Top 20 Alarms Report
- Suppressed & Shelved Alarms
- Operator Response Time & Acknowledgement
- Chattering / Fleeting Alarms Detection
- Shift Performance & Benchmark Reports

The screenshot displays the 'ProSense Settings' configuration page for 'ABC Oil Company'. The interface includes a top navigation bar with 'inSis suite', 'ProSense', 'Global Settings', and 'ProSense Settings'. A left sidebar contains navigation icons for various settings. The main content area is titled 'ProSense Settings' and includes the following sections:

- Disable Email Notification:** NO
- Disable SMS Notification:** NO
- KPI Bars Sorting:** SortBy: Value
- Sync Assets:** Select Sync Setting (dropdown)
- Event Summary Columns:** A list of columns with 'x' icons for removal: Asset Name, Event Name, Event Description, Notification Name, Notification Description, Event Count, Percentage Time, Aggregate Count, Aggregate Percentage, YTD Count, and YTD Percentage.
- System Alerts:** Select Status (dropdown) and a Go button.
- Custom Task Header Names:**
- Alarm Summary Report Columns:** A section with a pencil icon for editing.

ALARM SUMMARY REPORT

Displays all active, acknowledged, and unacknowledged alarms with details like asset, time, and status. Helps operators quickly monitor, prioritize, and manage alarms effectively.

inSis suite
ProSense
ABC Oil Company
Administrator Jaajitech

Alarm Summary Report From 01-Dec-2025 12:00 AM To 20-Feb-2026 01:08 PM QuickPeriods CurrentDay Search...

Total Alarms
263

Active Alarms
25

Acknowledge Alarms
2

UnAcknowledged Alarms
263

Alarm	Priority	Origin Time	Status	Clear Time	Acknowledged
Alarm CDU Flow	Level1	2025-12-26 11:30:16	Escalated	1900-01-01 00:00:00	No
Evt-june-ex-2	Level1	2025-12-26 12:10:01	Cleared	2025-12-26 12:20:03	No
K20 Steam Flow		2025-12-26 12:15:19	Activated	1900-01-01 00:00:00	No
Task Alarm Management	Level1	2025-12-26 12:21:18	Escalated	1900-01-01 00:00:00	No
Alarm Tag occurrences	Level1	2025-12-26 12:51:19	Cleared	2025-12-26 12:57:17	No
Alarm Tag occurrences	Level1	2025-12-26 13:00:17	Escalated	1900-01-01 00:00:00	No
Evt-june-ex-2	Level1	2025-12-26 13:45:01	Cleared	2025-12-26 13:50:02	No
Evt-june-ex-2	Level1	2025-12-26 15:00:03	Cleared	2025-12-26 15:05:03	No

RECONDITIONING SOP

users can map an SOP to the event. The mapped SOP can be executed directly from the Event Details page. To enable this, the SOP must be mapped in the Event Notification Criteria settings.

In the Event Details view, users need to click on the **Reconditioning SOP** to execute it. After execution, the **Status** section will display the details of the user who executed the SOP along with the execution time.


The screenshot shows the InSis suite ProSense Events View interface. The main view displays the details for 'SOP-Reconditioning - Test-SOP'. The 'ReConditioningSOP' field is highlighted with a red box and contains the value 'Alarm Management SOP'. The 'ReConditioning Status' field shows 'Execution completed by Admin at 01-Jan-2040 11:00:00'. A modal window titled 'ReConditioning SOP' is open, showing a list of SOPs with 'Alarm Management SOP' selected and an 'Execute' button.




Activated On	26 Dec 2025 16:42
Escalated On	01 Jan 2040 11:00
Criteria	A>0
Message	
Notify To	<input checked="" type="checkbox"/>
Escalate To	<input checked="" type="checkbox"/>
ReConditioningSOP	Alarm Management SOP
ReConditioning Status	Execution completed by Admin at 01-Jan-2040 11:00:00



Name	Map Type	Tag Name	Type	Value
A	Tag	F11505.PV.Value	Input	0
Exp1Result	Tag		Output	0

FREQUENTLY ASSOCIATED EVENTS

In the Event Details view, users can easily track events that occur frequently at the same time. By clicking on **Frequently Associated Events**, users can view the details of events that are repeatedly triggered along with the current event.

Task Alarm Management - Task Alarm Management 

Activated On	26 Dec 2025 12:21	Comments	UserName	AccessTime
Escalated On	26 Dec 2025 12:27	No Comments to display.		
Criteria	A>0			
Message	\${EventStartTime} \${EventEndTime} \${A}			
Notify To	Admin,ProcessManager  <input checked="" type="checkbox"/>			
Escalate To	JTEngineer  <input checked="" type="checkbox"/>			
ReConditioningSOP				
ReConditioning Status				

inSis suite ProSense Events View Administrator Jaajitech

Frequently Associated Alarms

Asset	Alarm	Origin Time	Alarm Duration (min)	Association	Association %
Kakinada Plant	Operator-Activities Controls Event	26-Dec-2025 10:24	0	Before 117 min	100%
ABC Oil Company	NLP-Alarm Test	26-Jun-2025 12:20	0	Before 263521 min	100%
GasConcentration	PLC-Alarm	26-Dec-2025 10:43	0	Before 98 min	100%
ABC_1 Plant	CDU Performance	26-Dec-2025 10:51	6	Before 90 min	100%
Ammonia Synthesis	Count Alarm Occurences	26-Dec-2025 11:21	0	Before 60 min	100%
Unknown Asset	Count occ Test2	26-Dec-2025 11:30	0	Before 51 min	100%
Unknown Asset	Task Occ test 2	26-Dec-2025 12:36	0	After 15 min	100%
ABC Chemical Company	Alarm Tag occurrences	26-Dec-2025 12:51	6	After 30 min	100%

Enabled: Yes

Value	Status
0	Good
0	Good

Task Alarm Management

Title	AssetName	TargetTime	ResponsibleU...	CreatedTime	CreatedUser	Status
Evt-Alarm occ Excel-1		26-Dec-2025 12:45		26-Dec-2025 12:45		

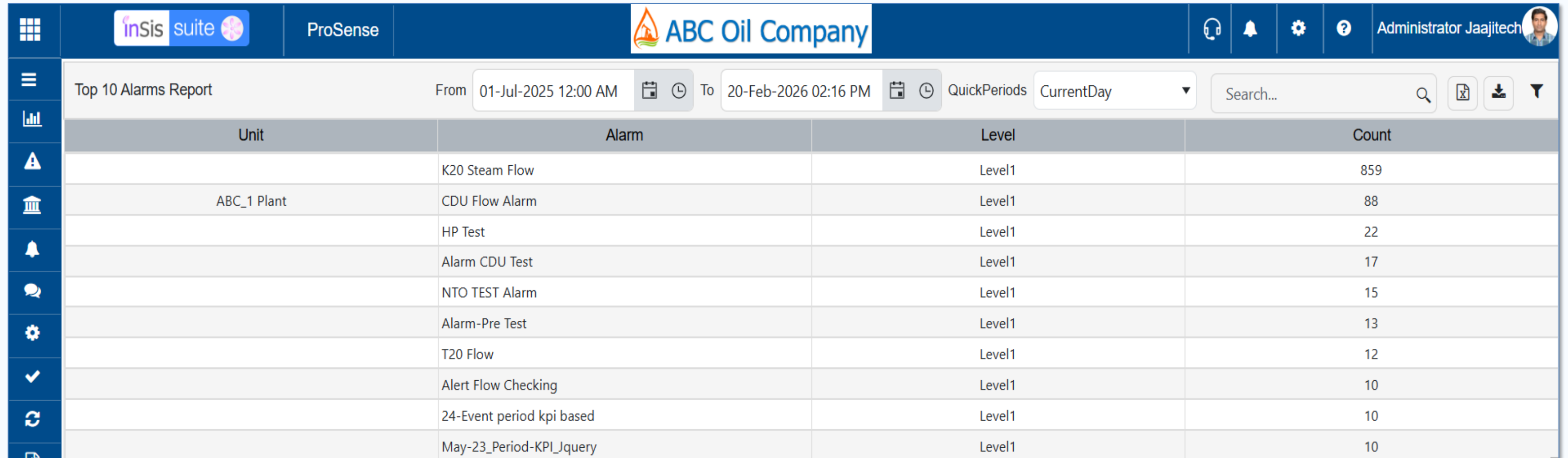
ALARM FREQUENCY REPORT

Shows how often each alarm occurs within a selected period. Helps identify frequently repeating alarms so operators can focus on solving recurring issues and improve system reliability.

Event	Frequency
Alaram Management Event-1	1
Alarm- Period Based@Test	1
count 1	4
Event Dec24 on Period	1
Evt Check Solutionspace DEC18	1
Evt Ack nov 24	1
Evt Ack nov 24	1
Evt-Alarm occ Excel-1	1
expression event	80
Grp -1 Test 1	1

TOP 10 ALARM REPORT

Displays the ten most frequent alarms in the system. Helps operators focus on the most recurring issues to improve process stability.



The screenshot shows the InSis suite ProSense interface for ABC Oil Company. The main content is a 'Top 10 Alarms Report' table. The report is filtered for the period from 01-Jul-2025 12:00 AM to 20-Feb-2026 02:16 PM, with the 'QuickPeriods' set to 'CurrentDay'. The table lists the top 10 most frequent alarms, including their unit, alarm name, level, and count.

Unit	Alarm	Level	Count
ABC_1 Plant	K20 Steam Flow	Level1	859
ABC_1 Plant	CDU Flow Alarm	Level1	88
	HP Test	Level1	22
	Alarm CDU Test	Level1	17
	NTO TEST Alarm	Level1	15
	Alarm-Pre Test	Level1	13
	T20 Flow	Level1	12
	Alert Flow Checking	Level1	10
	24-Event period kpi based	Level1	10
	May-23_Period-KPI_Jquery	Level1	10

STANDING ALARM REPORT

This report displays alarms that remain active for a long time without being cleared. It helps users Identify assets with alarms exceeding the allowed active duration and Monitor “Threshold Exceeded” status for quick attention.

Asset	Event	Criticality	Type	Duration Active	Threshold Exceeded
CDU	CDU Unit Condition	Level1	Performance	1583.8013424483333	Yes
HP Steam System	HP to LP Letdown	Level1		1583.789959115	Yes
ABC Oil Company	Event 3rd november			1579.516559115	No
	tag based1	Level1		1472.4173424483333	Yes
	task based 3rd november	Level1		1456.4107924483333	Yes
	standing	Level1		1442.4176257816666	Yes
ABC Oil Company	supreseed	Level1		1382.393009115	Yes
ABC Oil Company	DefaultG1	Level1		1311.3646757816666	Yes
ABC Oil Company	DefaultG2	Level1		1311.364559115	Yes
ADU	EverytimeG1	Level1		1311.364459115	Yes

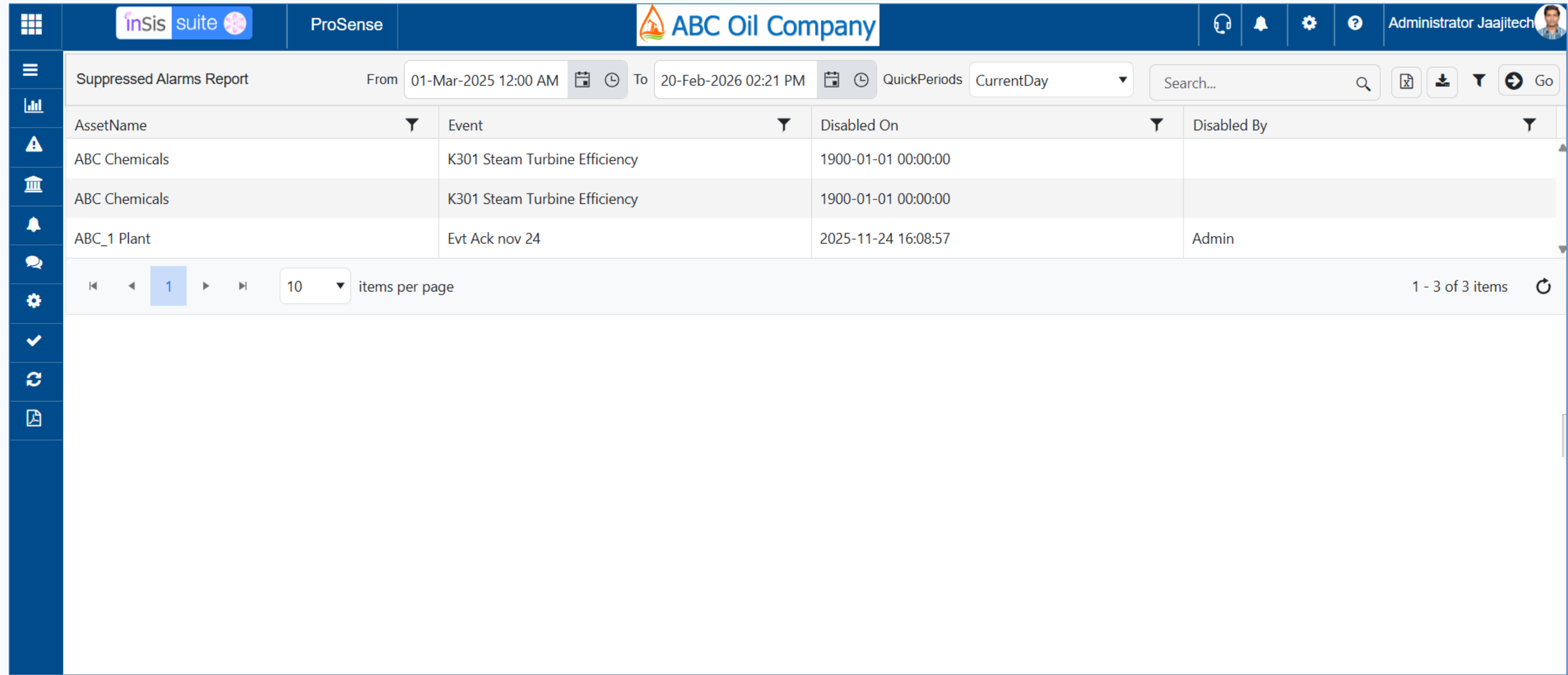
CHATTERING ALARM REPORT

This report provides The Chattering (or Fleeting) Alarms Report is designed to detect alarms that activate and cleared within a short period.

Event	Asset	Criticality	Chattering Frequency
CDU Unit Condition	CDU	Level1	1

SUPPRESSED ALARM REPORT

This Report identifies alarms that are **temporarily disabled** for a certain period.(that means notifications which are disabled)



The screenshot displays the 'Suppressed Alarms Report' interface. The header includes the 'InSis suite' logo, 'ProSense' text, and 'ABC Oil Company' branding. The report title is 'Suppressed Alarms Report'. The date range is set from '01-Mar-2025 12:00 AM' to '20-Feb-2026 02:21 PM'. The 'QuickPeriods' dropdown is set to 'CurrentDay'. A search bar is present with a magnifying glass icon and a 'Go' button. The table below has four columns: 'AssetName', 'Event', 'Disabled On', and 'Disabled By'. The first two rows show 'ABC Chemicals' with the event 'K301 Steam Turbine Efficiency' and a disabled date of '1900-01-01 00:00:00'. The third row shows 'ABC_1 Plant' with the event 'Evt Ack nov 24' and a disabled date of '2025-11-24 16:08:57', with 'Admin' listed as the disabled by user. The footer of the table area shows '1 - 3 of 3 items' and a refresh icon.

AssetName	Event	Disabled On	Disabled By
ABC Chemicals	K301 Steam Turbine Efficiency	1900-01-01 00:00:00	
ABC Chemicals	K301 Steam Turbine Efficiency	1900-01-01 00:00:00	
ABC_1 Plant	Evt Ack nov 24	2025-11-24 16:08:57	Admin

OPERATOR RESPONSE ALARM REPORT

The Operator Response Time Report provides insights into how promptly operators respond to process alarms or abnormal events generated within the system. It helps evaluate the efficiency of operator actions and ensures timely acknowledgment of critical alerts.

Event	Acknowledged	Duration Acknowledge	Acknowledged Time
Temperature Over Flow	Yes	9079861	2025-12-18 15:11:03
K32 Turbine Steam A	Yes	8477582	2025-12-17 14:26:20
Alaram Management Event-1	Yes	9441	2025-11-24 17:21:19
K FLOW MEATER	Yes	1905176	2025-12-17 14:26:24

SHIFT PERFORMANCE REPORTS

The Shift Performance Report displays all events that occurred during different operator shifts within a selected time period. It helps track operational performance by showing the event origin time, associated asset, current event status (Activated or Escalated), and shift hours.

Origin Time	Asset	Status	Shift Hours
2025-11-03 14:21:24		Escalated	SHIFT B (14:00 To 22:00)
2025-11-03 14:37:24		Escalated	SHIFT B (14:00 To 22:00)
2025-11-03 14:51:24		Escalated	SHIFT B (14:00 To 22:00)
2025-11-03 15:51:25	ABC Oil Company	Escalated	SHIFT B (14:00 To 22:00)
2025-11-03 17:02:27	ABC Oil Company	Activated	SHIFT B (14:00 To 22:00)
2025-11-03 17:02:27	ABC Oil Company	Activated	SHIFT B (14:00 To 22:00)
2025-11-03 17:02:27	ADU	Activated	SHIFT B (14:00 To 22:00)
2025-11-03 17:02:27	ADU	Activated	SHIFT B (14:00 To 22:00)
2025-11-03 17:33:02		Escalated	SHIFT B (14:00 To 22:00)
2025-11-03 17:57:21		Escalated	SHIFT B (14:00 To 22:00)

SCHEDULED REPORTS

The Scheduler Reports feature allows users to automatically generate and share various reports at predefined times. Users can select specific assets, choose report types, set schedule frequency, and send reports via email to selected users or groups. This helps ensure timely monitoring and analysis without manual effort.

The screenshot displays the 'Scheduled Reports' configuration interface in the inSis suite ProSense application. The interface is divided into a left sidebar and a main configuration area.

Left Sidebar (Scheduled Reports):

- qwer
- SchedulerAsset
- AddGridASc
- AssetSch234
- title1
- TESTCheckr
- Alarm RateReport
- Top10Alarms
- standing Alarms Report** (Selected)
- AcknowledgedAlarms
- SuppressedAlarms
- Chattering Alarms Report
- shift report
- dashboard
- neww
- alRateSch
- SchedulerAlarmReport
- Schedule1
- Schedule 11052025

Main Configuration Area (Schedule Details):

- Name***: standing Alarms Report
- Subject**: standing Alarms Report
- Schedule Asset ***: CDU
- Child Assets**:
- Additional Asset**: Choose Assets
- Schedule Report ***: StandingAlarmReport
- Schedule Time***: 27-Oct-2025 11:10 PM
- From**: Now - 30.00 Month
- To**: Now + 0.00 Month
- Is Recurring**:
- Frequency**: Hours (1.00)
- Send as Email**:
- Select Users**: Admin
- Select UserGroups**: Search UserGroups

The interface also includes a top navigation bar with the inSis suite logo, ProSense label, and user profile (Administrator Jaajitech). A bottom navigation bar shows the current page is 1 of 1.

AMS OPTION IN KPI'S

The AMS option is used to map alarms and events to KPIs and store the corresponding alarm data under the selected KPI.

Based on the KPI start and end time, all alarms generated within that time range are mapped and counted for the KPI.

In the mapping configuration, users can define the module, parameters, criticality, status and metrics. To enable this, users need to select the map type as **Alarm & Events**.

The screenshot shows the ProSense KPI Management interface. A dialog box titled 'Expression Details' is open, displaying a table of variables and a configuration panel for mapping.

Name	Value	VariableType
A	5	Input
Exp1Result	5	Output

The 'Mapping' tab in the dialog is active, showing the following configuration options:

- MapType: AlarmAndEvents
- Module: ProSense
- Params: AlarmCount
- Criticality: Level1
- Type: Performance
- Category: Process
- Status: Activated
- Metric: Average

At the bottom of the dialog, there is a 'ShowValue' button and a refresh icon. The background interface shows a list of KPIs on the left and a 'Target Value' of 900 at the bottom.

ALARM KPI SUMMARY REPORT

In the KPI Summary Report, users can view all alarm data across all assets. To access this report, navigate to the **Reports** section. In ProSense settings, users need to select the required unit (asset). Once selected, alarms related to that asset will be displayed, and an **All-Assets** column will also be added to the list

The screenshot shows the ProSense Settings page. The 'Unit' field is highlighted with a red box and contains two selected units: 'ABC_1 Plant' and 'ABC Power Company'. Other settings include 'Disable Email Notification', 'Disable SMS Notification', 'KPI Bars Sorting', 'Sync Assets', 'Event Summary Columns', 'System Alerts', 'Custom Task Header Names', 'Notification Options', and 'NotificationOccurance BufferSize'.

The screenshot shows the Alarm KPI Summary Report for ABC Oil Company. The report displays a table of alarm data with columns for Time, AssetName, Total Alarms, Active Alar..., Critical Ala..., Active Criti..., Avg Time t..., Alarm Dur..., Total Ackn..., and Total UnAc... The report is filtered for the period from 01-11-2025 14:00 to 20-02-2026 15:00. The table shows 8 items, with the first item being an alarm for ALL Assets on 20/02/2026 at 14:20:34.

Time	AssetName	Total Alarms	Active Alar...	Critical Ala...	Active Criti...	Avg Time t...	Avg Time t...	Alarm Dur...	Total Ackn...	Total UnAc...
20/02/2026 14:20:34	ALL Assets	14	1	13	1	57.16	56.32	14	0	1
26/12/2025 15:43:05	Vizag Plant	0	0	0	0	0	0	0	0	0
26/12/2025 15:43:05	ABC Chemical Company	1	1	1	1	147.83	147.83	1	0	1
26/12/2025 15:43:05	ABC_1 Plant	2	2	2	2	555.67	555.67	2	0	2
26/12/2025 15:43:05	ABC Power Company	0	0	0	0	0	0	0	0	0
26/12/2025 15:43:05	Ast-Mbl APP Aug-05	0	0	0	0	0	0	0	0	0
24/12/2025 16:13:32	HP Steam System	0	0	0	0	0	0	0	0	0
24/12/2025 16:13:32	Purification	0	0	0	0	0	0	0	0	0



THANK YOU

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