



inSis Suite

Prosense

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Sophistication with Simplicity

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Introduction to ProSense :

- The Process Conditions to detect the Performance and Operational issues is the core functionality of inSis ProSense. The issues/abnormalities are then notified by Web/Email/SMS to the designated personnel for taking corrective actions. Further, these issues/abnormalities are escalated to Middle and Top management when the corrective actions are not taken in timely manner. This reduces the efforts of Process Engineers & Managers in their day-to-day Process Monitoring activities as this process is largely automated.
- With ProSense we Can Configure the Notification alerts and Escalation Alters
- With the existing dashboards at one place and access everywhere.
- Unlock your data boundaries and constraints. Quickly make your decisions
- Use the most appropriate view to analyze your data from set of rich and interactive Chart views.
- We Can Create, Manage the Assets, Events and KPIS for managing

ProSense Components

- **Asset Management:** inSis ProSense provides greater visibility in the Assets and their Performance by connecting the data and business function. It continuously monitors the Asset activities and identifies the abnormalities and provides insights into the Asset reliability, performance & profitability.
- **Event Management:** The events in the ProSense are features to notify the abnormalities within the flow and notify these abnormalities to the corresponding resource by Email/SMS/Web Notifications.
- **KPI Management:** The name KPI is capitalized as Key Performance Indicator. In ProSense, KPIs are grouped, categorized and monitored against the Targets and Benchmarks. Further, the KPI Analytics help in troubleshooting the Performance Issues & help quickly take corrective action

- By default, it will display the ProSense Home Dashboard with Graphical representations of Events Status and KPI Status .
- The ProSense Home page will display KPI Performance Pie Chart which indicate the KPI all KPI Statues and Best Performance KPI Column Chart which display the best 8 KPIS, Event Summary Pie Chart which indicates the Activated and Escalates Information Least Performance KPI Column Chart which display the Least 8 KPIS and KPI Performance By Asset, Events By Asset Tree charts which can segregated by Asset wise.
- We Can Filter the results with respect to filter options to know the Asset Based Results So that higher officials get to know easily with graphic representations.



Chart	Explanation	When clicked
Event Summary Pie Chart	This Chart represent the events that are Activated and Escalated	It will display to Event Summary Page
KPI Performance Pie Chart	This Chart represent the KPI's that are Very poor, Poor, Good, Very Good, Excellent	it will display to KPI Bars Page
Best Performance KPI Colum Chart	It will display Best Performance KPIs	It will display the KPI Details Page
Least Performance KPIs Colum Chart	It will display Least Performance KPIs	KPI Bars
KPIs Performance By Asset Tree Map	It will display Performance of KPIs in Tree Map	Events Summary Page
Events By Asset Tree Map	It will display Performance of Events in Tree Map	Events Summary Page

ProSense Home Page with Filter Options :

- We Can Filter the results with respect to filter options to know the Asset and category Based Results So that higher officials get to know easily with graphic representations

Asset Browser

Browse By Hierarchy Category

Activated Escalated InActive

Excellent VeryGood Good Poor VeryPoor None

	Assets	Event Occurances	KPI Status
<input type="checkbox"/>	ABC Oil Company		
<input checked="" type="checkbox"/>	ABC Chemical Comp...		
<input type="checkbox"/>	ABC Power Company		
<input type="checkbox"/>	SIPCHEM		
<input type="checkbox"/>	Asset6		
<input type="checkbox"/>	testingasset		
<input type="checkbox"/>	Asset1-testinhgfix		
<input type="checkbox"/>	Testing-2Aug22		
<input type="checkbox"/>	1601-MP-CAP-LN1-B...		
<input type="checkbox"/>	1601-MP-CAP-LN1-V...		
<input type="checkbox"/>	1601-MP-CAP-UTL-C...		

Dashboard

Child Assets Go

Asset: ABC Chemical Company x AssetCategory: Fertiliser Plants x

KPIs Performance

■ Excellent ■ VeryGood ■ Good ■ Poor ■ VeryPoor ■ None

KPI Status	Count
Excellent	22
VeryGood	6
Good	9
Poor	5
VeryPoor	55
None	56

Total KPIs 153

Best Performance KPIs

Asset	Value
Asset 1	54.46
Asset 2	54.46
Asset 3	48.15
Asset 4	48.15
Asset 5	0.78
Asset 6	0
Asset 7	0
Asset 8	0
Asset 9	0
Asset 10	0

Events Summary

■ Activated ■ Escalated

Event Status	Count
Activated	5
Escalated	1

Total Events 6

Least Performance KPIs

Asset	Value
Asset 1	46.95
Asset 2	37.09
Asset 3	34.69
Asset 4	32.22
Asset 5	32.22
Asset 6	26.96

KPIs Performance By Asset

■ Excellent ■ VeryGood ■ Good ■ Poor ■ VeryPoor ■ None

Asset	Excellent	VeryGood	Good	Poor	VeryPoor	None
CDU	0	0	0	0	0	6
ABC Chemical Cor	0	0	0	0	5	2
ABC Oil Cor	0	0	0	0	2	2
H501	0	0	0	0	1	4

Events By Asset

■ Activated ■ Escalated

Asset	Activated	Escalated
ABC Oil Company	1	0
ABC Chemical Company	1	0

The Asset Module is one of the Major Module in ProSense Application.

In Asset Module We do Following Operations

- Creating Asset Structure.
- Creating and Managing Assets.
- Creating Properties, Documents, Consumables to Assets.
- Giving View Templates to Assets.
- Providing Geo location to view the location of the asset in plant.
- The created assets comes up in asset list and asset summary.

Creating Asset

In Order to Creating the Assets, we should follow below mentioned process

- Click on the New button
- Enter the text in the Mandatory fields.
- Define the Category.
- Define the Type from the Drop down.
- Define the GEO Location
- Enter the tagging Address
- Select the Asset Image & Map View icon
- Save the Details.

The screenshot displays the 'Assets' management interface in the InSis suite. On the left, a list of assets is shown, including 'ABC Oil Company (60)', 'ABC Chemical Company (16)', 'ABC Power Company (15)', 'SIPCHEM (12)', 'Asset6 (1)', 'testingasset', 'Asset1-testinhgfix', 'Testing-2Aug22 (1)', and several '1601-MP-CAP-LN1-BLWR' and '1601-MP-CAP-LN1-VLVR' assets. A red box highlights the '+ New' button in the top right corner of the 'Assets' panel. The right side of the interface shows the 'Asset Framework' details form, which includes tabs for 'Details', 'Properties', 'View Template', 'Documents', and 'Consumables'. The 'Details' tab is active, showing fields for 'Is Structure' (OFF), 'Structure' (Select Structure), 'Name*' (empty), 'Description' (Enter Description), 'Parent' (Search ...), 'Type' (dropdown), 'Category' (Search ...), 'Geo Location' (empty), and 'Taging' (empty). There are also 'Inherit' and 'Map View' icons at the bottom right of the form.

Structure Creation

- Structure is Format which we can create the format of Templet and we can assign them to Assets
- To create a Structure, in Asset Page,
 1. Click on New button
 2. In Details page, Enable the Is Structure button
 3. Enter the data in the Mandatory Fields
 4. Enter the Properties, View Templet, Documents and Consumables like Assets

The screenshot displays the 'Asset Framework' interface. On the left, a list of assets is shown, with 'Reactor' selected. A red box highlights the 'New' button (represented by a building icon) in the top left of this list. The main area shows the 'Details' tab for the 'Reactor' asset. The 'Is Structure' toggle is turned ON. The 'Name' field contains 'Reactor', the 'Description' field contains 'Reactor', the 'Type' dropdown is set to 'Fixed', the 'Category' dropdown is set to 'Reactors', and the 'Tagging' field contains 'Reactor'. There are also buttons for 'Asset Image', 'Save', 'Refresh', and 'Delete' at the bottom of the form.

Creating Asset Properties

The screenshot displays the InSis suite software interface. The top navigation bar includes the InSis suite logo, ProSense, Asset Framework, and New Asset tabs. The user is logged in as Administrator Jaajitech. The main content area is titled 'Asset Framework' and shows a list of assets on the left sidebar. The 'Properties' tab is selected, and the 'Property Details' form is visible. The form contains the following fields:

- Name*: Capacity
- Description: Capacity
- Property Type*: Tag
- Value Source*: FI1501.PV | Value
- Units: Select Units
- Property Group*: Performance
- Property Order: 0

At the bottom of the form, there are icons for saving and refreshing the data.

Creating Asset Templates

The screenshot displays the InSis suite interface for the 'Asset Framework' of 'ABC Oil Company'. The top navigation bar includes 'InSis suite', 'ProSense', 'Asset Framework', 'New Asset', and the company logo. The user is identified as 'Administrator Jaajitech'. The main area is divided into a left sidebar and a central workspace.

Left Sidebar (Assets):

- Assets
- Search bar
- Filters: All, Fav, Recent
- ABC Oil Company (60)
 - Mumbai Refinery (52)
 - Pipelines (6)
- ABC Chemical Company (16)
- ABC Power Company (15)
- SIPCHEM (12)
- Asset6 (1)
- testingasset
- Asset1-testinhgfix
- Testing-2Aug22 (1)
- 1601-MP-CAP-LN1-BLWR (35)

Central Workspace (Asset Framework):

Asset Framework

Monitor View

Details | Properties | **View Template** | Documents | Consumables

Inherit

Properties* Throughput x CapacityUtilisation x DistillateYield x EnergyEfficiency x

Widget Type: InfoView

Infoview Type: TableView

Buttons: [Save] [Delete]

Adding Documents to Asset

The screenshot displays the InSis suite interface for adding documents to an asset. The top navigation bar includes 'InSis suite', 'ProSense', 'Asset Framework', 'New Asset', and 'ABC Oil Company'. The left sidebar shows a tree view of assets, with 'Mumbai Refinery (52)' selected. The main area displays the 'Document Details' form with the following fields:

- Title*: Asset
- Document Type*: OperatorManual
- File Type: [Empty]
- File Name*: [Empty]

A 'Select files...' button is present, along with a note: 'Maximum allowed file size is 4MB.' Below the form is a table with columns: Document Title, Document Type, and File Name. The table is currently empty, displaying 'No items to display'.

Asset Consumables

- Consumables are mainly used to calculate the lifetime of Plant related Items i.e. cylinders, extinguishers and reference bottle
- Consumables are created for Assets.
- Here we can create Consumable with required details.
- We can add Notifications to the Consumables.
- The notifications give alerts based on expiry date, status, renewal of Consumables.
- Now the created consumables can be viewed in Consumable Summary, and we can check which are expired , completed and status.

Asset Consumables

inSis suite ProSense Asset Framework New Asset ABC Oil Company Administrator Jaajitech

Assets

- ABC Oil Company (60)
 - Mumbai Refinery (52)
 - Pipelines (6)
 - ABC Chemical Company (16)
 - ABC Power Company (15)
 - SIPCHEM (12)
 - Asset6 (1)
 - testingasset
 - Asset1-testinhgfix
 - Testing-2Aug22 (1)
 - 1601-MP-CAP-LN1-BLWR (35)

Asset Framework

Details Properties View Template Documents Consumables

Add Notification

Consumable Details

Type: Pump Bearings

Name*: "Pump Bearings1"

Description: Bearings

Specification:

Property Name For Run: Search ...

Property Value For Run: -9999

Purchased Date: 27-Sep-2022 22:26

Expiry Date: 27-Sep-2022 22:26

Use StartDate: 27-Sep-2022 22:26

Use EndDate: 27-Sep-2022 22:26

Use TimeInHours: 0

Guranteed Use TimeInHours: 0

Estimated Time Consumption: 0

Status: New

Quantity: 1

Notes: Enter the Consumbles Note

Category:

UOM:

Monitor View

Consumables Summary

inSis suite		ProSense	Asset Framework	Consumable Summary	ABC Oil Company		0	?	Administrator Jaajitech
Asset Consumables							Go		
Carrier Gas1									
Asset	: ABC Oil Company	Status	: New	Estimated Time	:				
Asset List									
Asset Summary		Status	: InUse	Estimated Time	: 27-Sep-2022 22:30				
Asset MapView									
Consumables Summary		Status	: New	Estimated Time	:				
Catalyst3									
Asset	: ABC Oil Company	Status	: New	Estimated Time	:				
Catalyst4									
Asset	: ABC Oil Company	Status	: Consumed	Estimated Time	: 27-Sep-2022 22:30				
Reference Bottle1									
Asset	: Feed	Status	: InUse	Estimated Time	: 27-Sep-2022 22:30				
Reference Bottle2									
Asset	: Feed	Status	: New	Estimated Time	:				
GC Column1									
Asset	: Feed	Status	: New	Estimated Time	:				
Reference Bottle3									
Asset	: Reactor	Status	: New	Estimated Time	:				
GC Column2									
Asset	: Reactor	Status	: New	Estimated Time	:				

Asset Detail View

- It displays all the Detail View of the Asset related Details, Asset Properties, Asset Documents, Asset Consumables by clicking on Detail View Button.

The screenshot shows the 'Asset Framework' section of the InSis suite. The 'Details' tab is active, displaying the following information:

- Is Structure:** OFF
- Structure:** Corporation
- Name:** ABC Oil Company
- Description:** ABC Oil Company-update
- Parent:** Search ...
- Type:** Company
- Category:** Corporation
- Geo Location:** 28.65291564298826, 77.24861525231972
- Tagging:** Delhi

Buttons for 'Add Child' and 'Monitor View' are visible at the top right of the details panel.

The screenshot shows the 'Asset Details' and 'Asset Documents' panels for the 'ABC Oil Company' asset.

Asset Details:

- Name:** ABC Oil Company
- Description:** ABC Oil Company-update
- Structure:** Corporation
- Parent:**
- Type:** Company
- Category:** Corporation
- Geo Location:** 28.65291564298826, 77.24861525231972
- Tagging:** Delhi

Asset Documents:

Name	Type	File Name
sfs	Drawing	Assets_BulkloadRef (1).csv
testing	DataSheet	activitybyasset.png

Asset Properties:

PropertyName	Value	Units	Type	Source
General				
Industry	Oil & Gas		Static	
eventproperty			Event	K402 Steam Turbine Efficiency
Capacity	500		Static	
Address	India		Static	
Operational				
Throughput	527.725	M3/Hr	Tag	FI1501.PV.Value
Performance				
DistillateYield		%	Kpi	
EnergyEfficiency		%	Kpi	Fuel_gas_outlet_temperature1
CapacityUtilization	0	%	Kpi	MCUOnlineCenter

Asset Monitor View

- It displays all the Detail View of the Asset related Details, Asset Properties, Notifications and the Asset related Chart by clicking on Monitor View Button

The screenshot shows the InSis suite interface for the Asset Monitor View of ABC Oil Company. The top navigation bar includes the InSis suite logo, ProSense, Asset Framework, New Asset, and the company name ABC Oil Company. The user is Administrator Jaajitech.

The main content area is divided into several sections:

- Assets:** A sidebar menu on the left showing a hierarchy of assets. The selected asset is Mumbai Refinery (52).
- Asset Details:** A section displaying key information about the asset:
 - Name: Mumbai Refinery
 - Description:
 - Structure: Refinery
 - Parent: ABC Oil Company
 - Type: Moving
 - Category: Refineries
 - Geo Location:
 - Tagging:
- Asset Properties:** A table showing various properties and their values:

PropertyName	Value	Units	Type	Source
Operational				
Throughput	470.401	M3/Hr	Tag	F11501.PV.Value
Performance				
CapacityUtilisation		%	Kpi	
EnergyEfficiency		%	Kpi	
CapacityUtilisation		%	Kpi	
DistillateYield		%	Kpi	
EnergyEfficiency		%	Kpi	
- Notifications:** A section indicating "No Notifications to display."
- Real time info:** A section displaying a real-time value for F11501.PV | Value, which is 470.401 M3/Hr, with a change of -71.91. Below the value is a small line chart showing the trend of the value over time.

Asset Summary

- After Configuring this Asset view, we can Assign these Assets to Events or KPIs while creating. So that the Created Event/KPI will be segregated with respect to Asset.
- With the help of Asset Summary, we can check all the Assets and in that we can the Tags Live Values that are assigned with Real Time Info Option.

The screenshot displays the 'Asset Summary' page in the InSis suite. The top navigation bar includes 'insis suite', 'ProSense', 'Asset Framework', 'Summary', and 'ABC Oil Company'. The user is identified as 'Administrator Jaajitech'. The main content area shows a table of assets:

Asset Name	Parent Asset	Type	Category	Real Time Info
ABC Oil Company - ABC Oil Company-update		Company	Corporation	Yes (Eye icon)
CDU - Crude Unit	Mumbai Refinery	Fixed	Units	Yes (Eye icon)
FCC - FCC	Mumbai Refinery	Fixed	Units	Yes (Eye icon)
HCU - HCU	Mumbai Refinery	Fixed	Units	Yes (Eye icon)

A blue callout bubble labeled 'Real time info' points to the eye icon in the action column of the first asset row.

Configured events and its notifications

- After Configuring this Asset view, we can Assign these Assets to Events or KPIs while creating. So that the Created Event/KPI will be segregated with respect to Asset.
- With the help of Asset Summary, we can check all the Assets and in that we can the Tags Live Values that are assigned with Real Time Info Option.

The screenshot displays the 'Asset Summary' page in the inSis suite. The main table lists assets such as 'ABC Oil Company - ABC Oil Comp', 'CDU - Crude Unit', 'FCC - FCC', 'HCU - HCU', 'ABC Chemical Company - ABC Ch', and 'Kakinada Plant - Kakinada Plant'. An 'Events' modal window is open, showing a table with one event: 'Testing-2-aug-22 - Testing-IP' with criteria 'C>0', status 'Activated', and timestamp '04-Aug-2022 15:19'. The modal also includes navigation controls and a page indicator '1 - 1 of 1 items'. A red text overlay reads 'Event Notifications with respect Asset'.

KPI Notifications with respect Asset

The screenshot displays the InSis suite interface for ABC Oil Company. The main window shows an 'Asset Summary' table with columns for asset name, parent asset, type, and category. A 'KPIs' popup window is overlaid on the table, showing a list of KPIs with their values and status indicators (thumbs up or thumbs down).

Events	KPIs	InfoView Data
CDUFuelGasFlowImbalance	-279.529	🔌
CDUHPSteamImbalance	-48.574	🔌
CDUMPSteamImbalance	-45.23	🔌
CDUHydrogenFlowImbalance	-19.172	🔌
FCCVentingSteamFlow	-10	🔌
CDUOnlineFactor	0	🔌
OverallVentingSteamFlow	0	👍
FCCOnlineFactor	0	👎
HCUOnlineFactor	0	👎
DROverallOnlineFactor	0	👎

Navigation: 1 - 10 of 48 items

Infoview Data with respect Asset

The screenshot displays the InSis suite interface for ABC Oil Company. The main window shows an 'Asset Summary' list with columns for asset name, parent asset, type, and category. A 'KPIs' popup window is open, showing a table of KPIs for the selected asset. The table has three tabs: 'Events', 'KPIs', and 'InfoView Data'. The 'InfoView Data' tab is active, showing a list of KPIs with their values and status indicators (thumbs up or down). The table is paginated, showing 1-10 of 48 items.

Events	KPIs	InfoView Data
CDUFuelGasFlowImbalance	-279.529	👎
CDUHPSteamImbalance	-48.574	👎
CDUMPSteamImbalance	-45.23	👎
CDUHydrogenFlowImbalance	-19.172	👎
FCCVentingSteamFlow	-10	👎
CDUOnlineFactor	0	👎
OverallVentingSteamFlow	0	👍
FCCOnlineFactor	0	👎
HCUOnlineFactor	0	👎
DROverallOnlineFactor	0	👎

- We Can Search Any asset with filter options, and we can Check the Detail View, Monitor View as well as Real Time Info

- The Name KPI is capitalized as Key Performance Indicator. In ProSense, KPIs are grouped, categorized and monitored against the Targets and Benchmarks. Further, the KPI Analytics help in troubleshooting the Performance Issues & help quickly take corrective action.
- Add, Modify, Delete KPIs
- Expression for evaluating the Equipment/Plant Performances
- Evaluate KPIs and Historize the Results
- KPI Dashboards
- KPI Bars
- KPI Tree Map

KPI Management Process

The name KPI is capitalized as Key Performance Indicator. In ProSense, KPIs are grouped, categorized and monitored against the Targets and Benchmarks. Further, the KPI Analytics help in troubleshooting the Performance Issues & help quickly take corrective action

- All KPIs are Configured in KPIs Modules with respect Execution with respect to KPI Details, KPI Execution Limits, Other Details
- The Saved KPI's are all displayed in the all KPI's and Favourite KPI's will displayed Fav Tab and Last Used KPI will be displayed in the Recent TAB
- It also displays Enabled and Disabled KPIs So that We know how many KPIs are Enable and Disable
- We Can Duplicate the KPI with Save As KPI Option
- Once We Click on the KPI It will display all the KPI Information that are Configured and with the help of KPI Details View we will get KPI information of Trend, RCA and KPI Chart
- With the help of the KPI Dashboard Process Engineer will know the how many KPI that are in Excellent, Very Good, Good, Poor, Very Poor, None, Statuses. So that they can take alternative Actions

KPI Management Process

- We can Check the KPI Statuses with respect KPI Dashboard filters also. So that we can Check Specific Asset based KPI Status.
- We can Check the KPI Bars, The Higher Officials will get to know all the information of KPI Summary with Excellent, Very Good, Good, Poor, Very Poor, None, Statuses. So that they can take alternative Actions. We can Give the Comment also by Clicking on the Comments

In order to create KPIs, Go to KPI page.

- Click on + button to create KPI, Give the Name and details in required fields
- Give the expression in expression window. Here we can map the variables with manual data or Tag Assigning.
- Validate the expression. It will give Validation Success Message if the given Expression has no errors, otherwise it will throw error
- Give the proper limits to the respective fields for KPI and Save the KPI
- After saving the KPI, we must assign Properties to the variables in the Expression, the resultant value of the Expression will be assigned to the KPI.

Creating KPI

Click to add new KPI

Variable Details

Validation

KPI List
Enabled - 5 Disabled - 130

KPI Details

Name * CDUOnlineFactor
CDU Online Factor

Description *

Is Operating Window ON

Start Time Now - 5 Minute

End Time Now + 0 Minute

Schedule Time Hour + 0 Minute

Execution Period (in minutes) * 5

Expression * A+100

KPI Execution Limits

Target Value *	50	Target Expression Variable	
Baseline	10	Baseline Expression Variable	
BenchMark *	20	BenchMark Expression Variable	
Low Limit	0	KPI Limits Type	Default
Performance Low Limit	500	KPI Aggregation	Average
Normal Low Limit	750	Direction	+
Normal High Limit	950		
Performance High Limit	990		
High Limit	1000		

Other Details

Root Cause Analysis Search Infoviews...

Display Order 0 Interval Spread After

Assigning Variables to KPI

- After saving the KPI, Go to expression window to give the value source to the variables.
- Select the variable and Map the value source either through Manual or Assign the Tag
- Give the Values to Variable through Manual with Variable Details Form
- Give the Values to Variable through Mapping with Mapping Details Form
- Give the Settings to Variable through Settings Form
- Save the expression.
- We can test the result either by fast execute button or test button in expression window.

Expression details and result

To view test result

Expression Details

Name	Value	VariableType
A	464.316	Input
Exp1Result	564.316	Output

VariableDetails | VariableSettings | Mapping

Name: A
Description:
Type: Input
Value: 0
Time: 09-Jun-2022 23:51
Quality: Good
InputValue: 0
InputTime: 09-Jun-2022 23:51
Input Quality: Bad

Expression

Expression Details

A+100

StartTime: 28-Sep-2022 10:05 | EndTime: 28-Sep-2022 10:05 | Use User Inputs: | Test

Name	Input Value	Input Status	Value	Status	Input/Output
A	575.04	Good	575.04	Good	Input
Exp1Result	675.04	Good	675.04	Good	Output

Result

In KPI's Dashboard, We should get all the KPI's performance status and KPI's list based on the Assets.

KPIs Performance: we should get count of KPI's based on their status.

Best Performance KPIs: In this column chart, we should get the best 8 of our KPI's list. For this best, the system will consider only the Excellent, Very Good KPI's and among those the top 8 will display here.

Least Performance KPIs: In this column chart, we should get the Least 8 of our KPI's list. For this Least, the system will consider only Very Poor & Poor KPI's and among those the top 8 will display here.

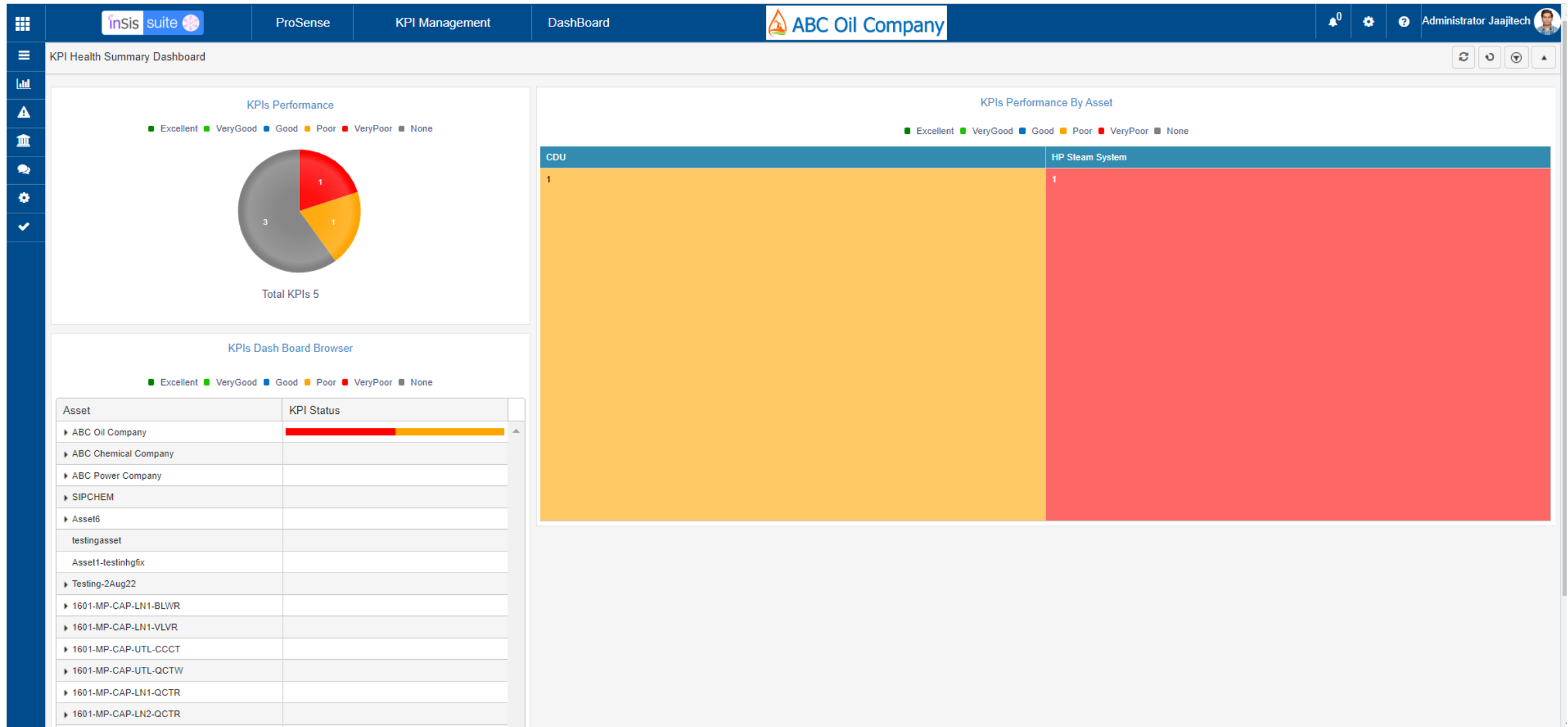
KPI Performance by Asset: we should get the KPI's count, and their statuses based on an asset type.

KPI Dashboard Browser: we should get all the Assets list and their corresponding KPI's count.

KPI Dashboard

Chart	Explanation
KPIs Performance Pie Chart	we should get count of KPI's based on their status. When Clicked
Best Performance KPIs Column Chart	In this column chart, we should get the best 8 of our KPI's list. In this best, the system will consider only the Excellent, Very Good KPI's and among those the top 8.
Least Performance KPIs Column Chart	In this column chart, we should get the Least 8 of our KPI's list. In this Least, the system will consider only Very Poor & Poor KPI's and among those the top 8
KPI Performance by Asset Tree Map	we should get the KPI's count and their statuses based on an asset type.
KPI Dashboard Browser	we should get all the Assets list and their corresponding KPI's count

KPI Dashboard

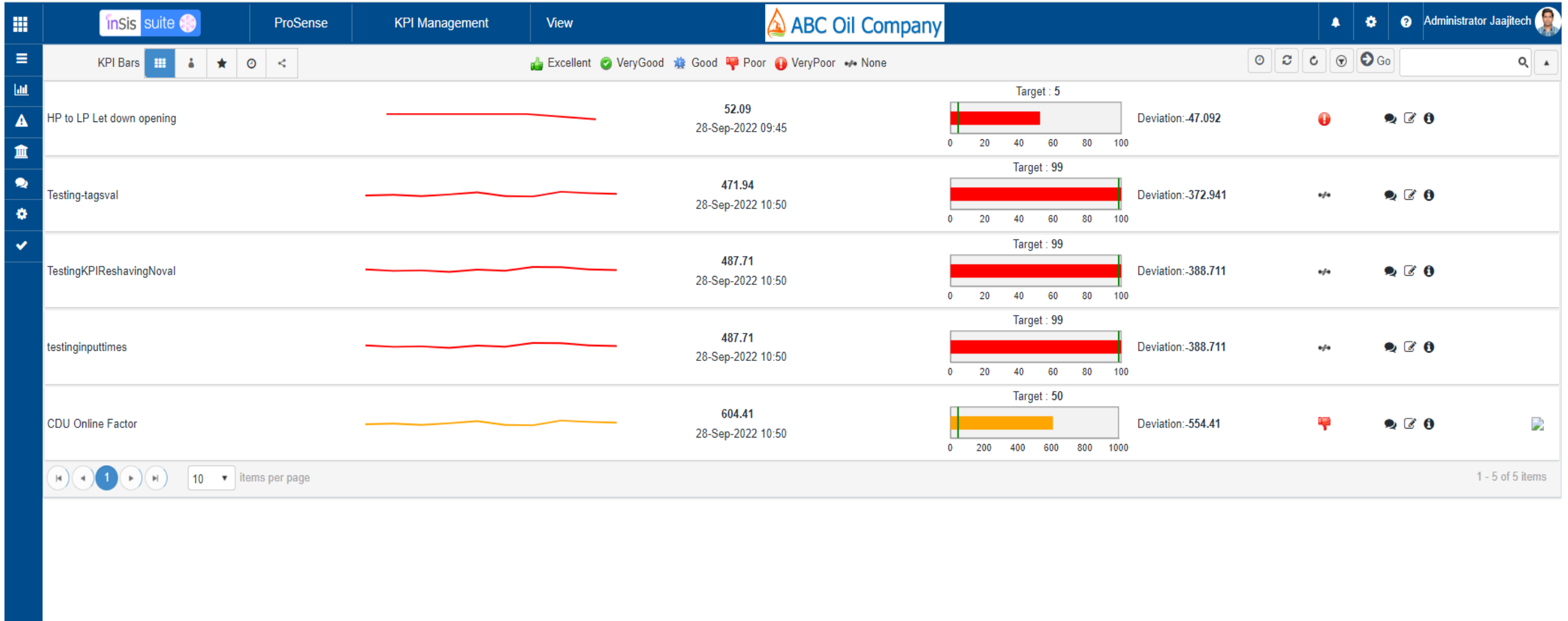


- In this page, the user can check their KPI's Performance with it's target and actual value.
- The user can analyze and compare the KPI's result value with other KPI's here. Each KPI is taken in a Bar and the status & actual values are mentioned in a symbolic way.

In order to Access the KPI Bars

- Go to KPI Modules and hover the mouse on KPI
- Will get the Options for KPI Bars
- Click on the Bars
- It will display the Result Panel page or Bar page based on the option clicked

KPI Bars



We can filter this Bars/Panels report by the following options

- **My KPI's:** we get KPI's list, where currently logged in user is the owner.
- **Favorites:** We will get all the KPI's which are added as favorite.
- **Recent:** we will get the Recently viewed KPI's list.
- **Shared:** we should get the KPI's list, which are shared to the logged in user.
- **ALL:** we will get all the KPIs.
- **Metric:** Based on the selected metric, the KPIs with that metric as resultant value will be displayed.
- **Show/Hide Filters:** This button is to Display & Hide, more filter options.
- **Select Asset:** By this filter, we should get all the KPI's related to the selected Asset.
- **Select Categories:** By this Filter, We should get all the KPI's related to the selected Category.

- **Status:** We have six types of status to define the KPI status
 - **Excellent:** By this option, we should get all the KPI's list whose status is
 - Excellent.
 - **Very Good:** By this option, we should get all the KPI's list whose status is Very Good.
 - **Good:** By this option, we should get all the KPI's list whose status is Good.
 - **Poor:** By this option, we should get all the KPI's list whose status is Poor.
 - **Very Poor:** By this option, we should get all the KPI's list whose status is Very
 - Poor.
 - **None:** By this option, we should get all the KPI's list whose status is None, which means currently the KPI is not getting executed.

KPI Filters

The screenshot displays the 'KPI Management' section of the InSis suite. The interface includes a top navigation bar with the company logo 'ABC Oil Company' and a user profile 'Administrator Jaajitech'. Below this is a toolbar with icons for 'KPI Bars', 'My KPI's', 'Favourites', 'Recent KPI's', and 'Shared KPI's'. A status bar shows performance levels: Excellent, VeryGood, Good, Poor, VeryPoor, and None. The main control area features a date and time selector (28-Sep-2022 10:59), a 'Select TimeBase' dropdown, a 'Select Metric' dropdown, a 'Select Type' dropdown, a 'Search Owner...' input field, a 'VeryPoor' dropdown, 'Enable' and 'Child Assets' toggle switches, and a 'SortBy: DisplayOrder' dropdown. Callout boxes identify these elements: 'All KPI'S', 'My KPI'S', 'Favourites', 'Recent KPI's', 'Shared KPI's', 'Filters', 'Notifications', 'Based on asset', 'Based on Category', 'Based on Type', 'Based on Owner', 'Based on Performance', and 'Sort filters'.

KPI Tree Map View

The screenshot displays the InSis suite interface for KPI Management. The top navigation bar includes 'ProSense', 'KPI Management', and 'TreeMap'. The main header features the 'ABC Oil Company' logo and the user 'Administrator Jaajitech'. A legend at the top indicates performance levels: Excellent (green), VeryGood (light green), Good (blue), Poor (orange), VeryPoor (red), and None (grey). The interface shows a tree map view for 'HP Steam System' with a 'Poor' (orange) status. A dropdown menu is open on the left, listing 'KPIs List', 'KPIs Dashboard', 'KPI Bars', and 'Tree Map View'. The control bar includes a time range of '28-Sep-2022 12:18', a 'Select TimeBase' dropdown, another time range, a 'Select Metric' dropdown, and a 'Child Assets' toggle set to 'ON'.

- The Event Module having capability of giving alerts and Notifications to users when an abnormal condition is detected in the Tags based on defined events.
- Event Modules
 - Add/Modify/Delete Events
- Creating condition-based notifications
 - Event Dashboards
 - Event Summary
 - Event Tree Map

Event Management Process

The events in the ProSense are features to notify the abnormalities within the flow and notify these abnormalities to the corresponding resource by Email/SMS/Web Notifications.

- All The events are Configured Events will in events Modules with respect Execution Time and Notifications and Escalated user information
- We can create Notification alert by defining a condition to the result of the event. We can create any number of Notifications for an Event.
- If the value of the event matches the Notification conditions, then we will get appropriate Notifications to the assigned users.
- To create a New Notification please click on the + button in the Notification Criteria Tab.
- In that tab, you should fill the mandatory fields and must define the condition for the notification also.
- Here the user can able to create Email/SMS notifications
- Here we are providing new feature which is sound alarm for activation and escalations.
- To Check all the Configured Events and all need to navigate Events Module

Event Management Process

- With the help of the Event Dashboard Process Engineer will know the how many events that are Activated and how many Events that are Escalated. So that they can take alternative Actions
- We can Check the Event Statuses with respect Event Dashboard filters also. So that we can Check Specific Asset based Event Statuses
- We can Check the Event Summaries Higher Officials will get to know all the information of Event Summary with Activated/Escalation Conditions and We can Give the Comment also by Clicking on the Comments

Creating Event

To Create an Event, go to Events page.

- Click on + button to create an Event, give the Name and details in required fields.
- We can create the Event based on the given Criteria. It may be Tags/Expression/KPI, Required Fields and Save the Event.
- After Saving saved Events, we need to create condition-based notifications with help of + Button
- In Notifications Criteria We Need to give Notifications Criteria and required fields and Notifications To, Escalation To Users and Save the Event
- Condition based Event Notification Details can be viewed in details page or summary.

Creating Event

To create new event

The screenshot displays the InSis suite ProSense interface for creating a new event. The top navigation bar includes the InSis suite logo, ProSense, and ABC Oil Company. The left sidebar shows a list of events, with 'CDU Steam Venting' selected. A red box highlights the 'Add' button in the sidebar. The main form for 'Event Details' includes fields for Title, Description, Is Operating Window, Start Time, End Time, Is Enabled, Asset, Category, Type, Execution Period in Minutes, and Event Based On. The 'Event Based On' section has tabs for Tags, Expression, and Kpi, with the 'Expression' tab selected. The 'Expression' field contains the text 'Vent = V1 + V2;'. Below the form is a 'Notification Criteria' table.

SNO	NotificationTitle	Criteria	NotifiedTo	EscalationTo
1	CDU HP Steam Vent is open	Vent>5000	Administrators Unit1	Administrators Unit1

Create Event Based on Tags/Expression/Kpi

To create notification alert

Creating notification alert to Event

- We can create Notification alert by defining a condition to the result of the event. We can
- create any number of Notifications for an Event.
- If the value of the event matches the Notification conditions, then we will get appropriate Notifications to the assigned users.
- To create a New Notification please click on the + button in the Notification Criteria Tab.
- In that tab, you should fill the mandatory fields and must define the condition for the notification also.
- Here the user can be able to create Email/SMS notifications
- There is sound alarm for activation and escalations.

Creating notification alert to Event

- **Notification Title:** The Title(name) of the Notification
- **Notification Message:** The Description about the Notification, if have.
- **Notification Type:** The type of the alert you want to send to this Notification.
- **Notification Criteria:** We should define the Criteria for the event in this text box.
- **Clear Criteria Different:** If you want to define any escape condition for the Notification, you can define here(If Required)
- **Notification To:** The Resource to whom you want to notify first about this abnormal condition.
- **Escalated To:** The Resource to whom you want to escalate an alert if the condition was not clear up to some time.

Creating notification alert to Event

SNO	NotificationTitle	Criteria	NotifiedTo	EscalationTo
1	CDU HP Steam Vent is open	Vent>5000	Administrators Unit1	Administrators Unit1

Event Notification Details

Notification Title *

Is Enabled ON

Template

Notification Message

Notification Type Email System SMS

Sound Alarm Yes No

Notification Criteria *

Clear Critiria Diffrent OFF

Asset Unavailability Notification OFF

Notificaton Buffer in Minutes

IsEnable Notify ON

Notify Mode

Notification To

Resource Name Resource Type

IsEnable Escalated ON

Escalation To



Resource Name Resource Type intervalvalue

Here, We can give the notification criteria as per user's requirement.

Notification Info

Shows the Event activation, escalation information, discussions, event result.

← CDU Steam Venting - CDU HP Steam Vent is open ✓

Activated On 16-Jun-2022 15:49
Escalated On 16-Jun-2022 15:54
Criteria Vent>5000
Message CDU HP Steam Vent is open
Notify To Administrators Unit1  ON
Escalate To Administrators Unit1  ON

Comments	UserName	AccessTime
PI check this	admin	01-Mar-2017 23:42
Dear Puneet ji, Please check this	admin	31-Jul-2021 15:29

CDU

Category	Energy	Type	Performance	Buffer	0	Enabled	false
----------	--------	------	-------------	--------	---	---------	-------

Event Based On Expression : Vent = V1 + V2;

Name	Map Type	Tag Name	Type	Value	Status
V1	Tag	FI1501.PV.Value	Input	0	Good
V2	Tag	FI1501.PV.Value	Input	0	Good
Vent	Tag		Output	0	Good

Event dashboard

- The event dashboard will give us quick report about the Notifications count and the Notification based on Assets.
- Displays the count of Activated Events, Escalated Events with the respective color indication.
- Asset Map for Events will get the notifications count and their statuses based on asset type.
- Event Dashboard Browser will get all the asset lists and the corresponding notifications count.
- We can Filter the event dashboard by some filter features.
- ProSense provides Bell icon to display the notifications count and by clicking on it, it displays the Activated and Escalated events list.

Event Dashboard

inSis suite ProSense Events Dashboard ABC Oil Company Notifications Administrator Jaajitech

Events Dashboard Filter Options Child Assets ON Go Refresh Home Logout

Events Summary

Activated Escalated

Total Events 4

Events By Asset

Activated Escalated

ABC Oil Company	ABC Chemical Company
1	1

Events Dash Board Browser

Activated Escalated Cleared

Asset	Event Occurances
▶ ABC Oil Company	
▶ ABC Chemical Company	
▶ ABC Power Company	
▶ SIPCHEM	
▶ Asset6	

Events Summary

- Here we will get all the active and escalated notifications details.
- **Summary** : we can see a brief description about the notification details like, Activated time, Notify & Escalated user details and an option to Enable/Disable the Escalation & Notifying feature.
- **IsEnabled** : We can disable the notifying feature also by setting the IsEnabled button to OFF.
- **Edit** :The Edit button in the notification will take you to the notification details page.
- **Filter** : ProSense provides different filter options to filter the events.
- **Discussion** : We can create discussions to the event by clicking discussion button.

Event Summary

The screenshot displays the 'Event Summary' interface for 'ABC Oil Company'. The top navigation bar includes 'InSis suite', 'ProSense', 'Events', and 'Summary'. The main content area lists four events:

Event Name	Activated	Message	Criteria	IsEnabled	Actions
TestingMaxandMIN - Maxequaltomin	02-Sep-2022 17:27	MAX value is \${F1} = MIN value is \${F2}	F1==F2	ON	View event details, Event details, Comments, Show Related, Show Similar
TestingMaxandMIN - MAXandMIN	02-Sep-2022 17:27	MAX value is \${F1} and MIN value is \${F2}	F1=F2	ON	View event details, Event details, Comments, Show Related, Show Similar
Event-testing - testing	17-Aug-2022 12:18	The value is : \${F1501.PV.VALUE}	\${F1501.PV.Value}>100	ON	View event details, Event details, Comments, Show Related, Show Similar
Testing-2-aug-22 - Testing-IP	04-Aug-2022 15:19	Testing-IP ,the value is - 260	C>0	ON	View event details, Event details, Comments, Show Related, Show Similar

At the bottom of the list, there are navigation controls: '10 items per page' and '1 - 4 of 4 items'. Three blue callout boxes with arrows point to the 'View event details', 'Event details', and 'Comments' icons in the right-hand column of the event list.

Event Summary Filters

The screenshot displays the 'Event Summary' page in the InSis suite. The interface includes a top navigation bar with the company name 'ABC Oil Company' and a user profile 'Administrator Jaajitech'. Below the navigation bar, there are several filter and control elements:

- Time Filters:** 1H, 8H, 1D, 1W (selected), 1M, ET, 27-Sep-2022 10:31
- Refresh and Reset:** Buttons for refreshing the data and resetting filters.
- Filters:** A button to open the filter configuration panel.
- Asset Browser:** A dropdown menu for selecting assets.
- Categories:** A dropdown menu for selecting event categories.
- Event Status:** Radio buttons for TAG (selected) and KPI.
- Based on Tag/KPI:** A search field for filtering events based on tags or KPIs.
- Enable events:** A toggle switch for enabling or disabling events.
- Child Assets:** A toggle switch for including child assets.
- Sort filter:** A dropdown menu for sorting events by 'Origin Time'.

The main content area shows a list of events with columns for asset name, status, message, criteria, and activation details. Each event row includes a 'Show Related' and 'Show Similar' button.

Asset Name	Status	Message	Criteria	Activated	IsEnabled
Testing MaxandMIN - Maxequaltomin	TAG	Message : MAX value is \${F1} = MIN value is \${F2}	Criteria : F1==F2	Activated 02-Sep-2022 17:27	ON
TestingMaxandMIN - MAXandMIN	TAG	Message : MAX value is \${F1} and MIN value is \${F2}	Criteria : F1=F2	Activated 02-Sep-2022 17:27	ON
Event-testing - Testing	TAG	Message : The value is : \${F1501.PV.VALUE}	Criteria : \${F1501.PV.Value}>100	Activated 17-Aug-2022 12:18	ON
Testing-2-aug-22 - Testing-IP	TAG	Message : Testing-IP ,the value is - 260	Criteria : C>0	Activated 04-Aug-2022 15:19	ON

Tree map view

inSis suite ProSense Events TreeMap ABC Oil Company Administrator Jaajitech

Tree Map View ■ Activated ■ Escalated Child Assets ON [Go](#) [Refresh](#) [Filter](#) [Expand](#)

ABC Oil Company	ABC Chemical Company
1	1

ProSense provides discussion feature through discussion window to make plant engineers in touch with each other.

- In order to create discussions, go to discussions tab.
- Click + button to add discussion , the discussion type may be Tag/KPI/Notification.
- We can type anything in the text box.
- Save the discussions and that will be visible to all other legal users.
- We have different types of filter options in discussions.

Discussions

inSis suite ProSense Discussions ABC Oil Company Administrator Jaajitech

ProSense KPIs Events Assets Discussions Global Settings AnalyserValidation

Discussions

Filters

AccessTime 20-Sep-2022 10:48 27-Sep-2022 10:48

UserName Search Users...

Tag KPI Notification

Comments

Apply Reset

Filter options

Name	Discussio...	UserName	AccessTime	Comments	Del...
F11504.PV.Value	Tag	Admin	17-Aug-2022 12:21	sdegt	
TestingRCAKPI	KPI	Admin	17-Aug-2022 12:10	check	
CDUOnlineFactor	KPI	Admin	17-Aug-2022 11:46	ghb	
CDUVentingSteamFlow	KPI	Admin	12-Aug-2022 12:53	zxdcfs	
CDUVentingSteamFlow	KPI	Admin	12-Aug-2022 12:51	cxvdf	
APCFCC.LSTSec.Value	Tag	Admin	12-Aug-2022 12:51	xcvf	
CDUVentingSteamFlow	KPI	Admin	12-Aug-2022 12:50	dxvd	
Product2.Input1.Value	Tag	Admin	12-Aug-2022 12:49	zxsfs	
CDUFeedFurnaceEfficiency	KPI	Admin	12-Aug-2022 12:48	dcf	
CDUFeedFurnaceEfficiency	KPI	Admin	12-Aug-2022 12:48	dfgf	

10 items per page 1 - 10 of 36 items

In global settings , we have different options and are mentioned below:

- **System information:** Provides information regarding prosense.
- **Categories & Types:** Predefined categories and types for Assets/Events/KPIs.
- **Consumable Types:** Creating different types consumables.
- **Asset Property Groups:** Creating and managing asset related groups.
- **Functions:** We can create MIN,AVG,MAX Functions which are used in expression window.
- **Manage Services:** For Start and Stop ProSense Service.
- **System Information:** It will display the system related information.
- **Event Information:** It will display the existing Event execution information.
- **KPI Information:** It will display the existing KPI execution information.
- **SMS Provider:** Having SMS provider settings.
- **Bulk Load :** It is a mechanism to load bulk amount of KPIs at a time.

System information

inSis suite ProSense Global Settings System Information ABC Oil Company Administrator Jaajitech

System Info

dcProSenseInfo Status	: Initialized
dcProSenseInfo InitializedTime	: 01-01-0001 00:00:00
dcProSenseInfo StartTime	: 27-09-2022 09:43:45
dcProSenseInfo StopTime	: 01-01-0001 00:00:00
dcProSenseInfo LastMonitorStartTime	: 27-09-2022 11:28:24
dcProSenseInfo LastMonitorEndTime	: 27-09-2022 11:28:24
dcProSenseInfo ProcessEventsCount	: 41
dcProSenseInfo ProcessKPIsCount	: 144
dcProSenseInfo EventProcessorsCount	: 4
dcProSenseInfo KPIProcessorsCount	: 14
dcProSenseInfo NotificationOccurrencesCount	: 51
dcProSenseInfo SimulationMode	: Off
dcProSenseInfo MaxListProcessPeriod	: 60
dcProSenseInfo MaxListSize	: 100
dcProSenseInfo MaxLists	: 41
dcProSenseInfo SMSCount	: 0

Here, we can check the total view of system information like total number of Events& KPIs, Service start/stop time, Monitor time, Notifications count etc.,

KPI information

The screenshot displays the 'KPI Information' section of the InSis suite. The interface includes a top navigation bar with 'inSis suite', 'ProSense', 'Global Settings', 'KPI Information', and 'ABC Oil Company'. A user profile for 'Administrator Jaajitech' is visible in the top right. On the left, a 'KPIs List' sidebar shows a tree view with 'TestingKPI1' selected. The main area, 'KPI Info', displays detailed information for 'TestingKPI1' in a key-value format. A red bracket highlights the 'Expression', 'Last Execution Starttime', 'Last Execution Endtime', 'Starttime', 'Endtime', 'Scheduletime', 'Target Variable', 'Target', 'Baseline', 'KPI Aggregation', 'Time', 'Value', 'KPIStatus', 'Execution Period', 'Direction', 'LimitsType', 'Low', 'PerformanceLow', 'NormalLow', 'NormalHigh', 'PerformanceHigh', 'High', and 'BufferLength' fields. A blue callout box points to these fields with the text: 'Here, we can check each KPI information like KPI expression, result, status, execution start/end time'.

Field	Value
Title	: TestingKPI1
Description	: TestingKPI
KPI Owner	: Admin
Expression	: D=a
Category	:
Type	:
IsEnabled	: False
Last Execution Starttime	: 27-09-2022 18:44:57
Last Execution Endtime	: 27-09-2022 18:44:57
Starttime	: 27-09-2022 17:30:00
Endtime	: 27-09-2022 18:00:00
Scheduletime	: 28-09-2022 18:00:00
Target Variable	:
Target	: 1000
Baseline	: 0
KPI Aggregation	: Value
Time	: 14-09-2022 15:30:00
Value	: 0
KPIStatus	: None
Execution Period	: 1440
Direction	: Increase
LimitsType	: Default
Low	: 0
PerformanceLow	: 20
NormalLow	: 40
NormalHigh	: 60
PerformanceHigh	: 80
High	: 100
BufferLength	: 0

KPIs Execution List

☰
Administrator Jaajitech

inSis suite
ABC Oil Company

ProSense
KPIs Execution List

KPI Execution Information

KPI Name	Last Execution	Value Time	Value	Units	Direction	Status	Target	Schedule Time	Period	
CDUOnlineFactor	27-Sep-2022 19:45	27-Sep-2022 19:40	604.52		Positive	Poor	50	27-Sep-2022 19:50	5	
HP-LPLetDown	27-Sep-2022 18:44	27-Sep-2022 18:34	47.05		Negative	VeryPoor	5	27-Sep-2022 18:44	5	
Testing-tagsval	27-Sep-2022 19:45	27-Sep-2022 19:40	504.52		Positive	None	99	27-Sep-2022 19:50	5	
TestingKPIRes	27-Sep-2022 19:45	27-Sep-2022 19:40	475.11		Positive	None	99	27-Sep-2022 19:50	5	
testinginputtimes	27-Sep-2022 19:45	27-Sep-2022 19:40	475.11		Positive	None	99	27-Sep-2022 19:50	5	

◀ ◁ 1 ▷ ▶
15 items per page

1 - 5 of 5 items

Event Information & Execution List

inSis suite ProSense Global Settings Event Information ABC Oil Company Administrator Jaajitech

Events List

- CDU Steam Venting
 - F11501.PV.Value
 - F11501.PV.Value
 - Vent
 - E101 Boiler Excess Oxygen**
 - E501 Boiler Excess Oxygen
 - E101 Boiler Stack Temperat
 - E501 Boiler Stack Temperat
 - FCC Unit Condition
 - CDU Unit Condition
 - HCU Unit Condition
 - CDU1 Unit Condition
 - FCC1 Unit Condition
 - HP to LP Letdown
 - K201 Steam Turbine Efficien

Event Info

Title : E101 Boiler Excess Oxygen

Description : E101 Boiler Excess Oxygen

Expression : $ExcessO2 = A * 10 / 10000$

Expression Result : 0

IsEnabled : False

Last Execution Starttime : 01-01-1900 00:00:00

Last Execution Endtime : 01-01-1900 00:00:00

Starttime : 27-09-2022 18:09:38

Endtime : 27-09-2022 18:39:38

Execution Period : 120

Above 5% : $ExcessO2 \geq 5$

Here, we can check each event information like Value, Quality and Execution Start/End time

inSis suite ProSense Global Settings Events Execution List ABC Oil Company Administrator Jaajitech

Events Execution Information

Event Name	Notification Name	Value	Criteria	Activated Time	Escalated Time	Cleared Time	Status
Testing-2-aug-22	Testing-IP	260	C>0	04-Aug-2022 15:19	01-Jan-1900 00:00	01-Jan-1900 00:00	Activated
Event-testing	testing		$\$[F11501.PV.Value] > 100$	17-Aug-2022 12:18	01-Jan-1900 00:00	01-Jan-1900 00:00	Activated
TestingMaxandMIN	MAXandMIN	0,0	F1=F2	02-Sep-2022 17:27	01-Jan-1900 00:00	01-Jan-1900 00:00	Activated
TestingMaxandMIN	Maxequaltomin	0,0	F1==F2	02-Sep-2022 17:27	01-Jan-1900 00:00	01-Jan-1900 00:00	Activated

15 items per page 1 - 4 of 4 items

Categories

inSis suite ProSense Global Settings Categories ABC Oil Company Administrator Jaajitech

Category List

Asset	Asset comment	Event
Operator comment	KPI	Interlock
Asset Activity		

Category Details

Name*

Description

Type*

Parent

- Reactors
- Heat Exchangers
- Pumps
- Valves
- Columns
- Refineries
- Units
- Furnaces
- Boilers
- Networks
- Sections
- Fertiliser Plants
- Corporation
- Tanks
- Motors
- Vessels
- Compressors
- Fans

Custom Types

inSis suite ProSense Global Settings Custom Types ABC Oil Company Administrator Jaajitech

CustomType List CustomType Details

Asset	Asset comment	Event
Operator comment	KPI	Interlock
Asset Activity		

Fixed
Moving
Centrifugal
Reciprocating
Screw
Shell and Tube
Fin-fan
Fixed Roof
Floating
Company
Retail Consumer
Control Systems

1 - 12 of 20 items

Name *
Description
Type* Asset
Color

Enter Description

Asset

Color

Save Refresh

Consumable Types

inSis suite ProSense Global Settings Consumable Types ABC Oil Company Administrator Jaajitech

ConsumableType List ConsumableType Details

- Catalyst
- Dosing Chemical
- Carrier Gas
- Reference Gas Bottle
- Absorbent
- Pump Seal
- Pump Bearings**
- aszf
- Tank
- Bottle
- spares

Name *

Description

1 - 11 of 11 items

Asset Property Groups

inSis suite ProSense Global Settings AssetProperty Groups ABC Oil Company Administrator Jaajitech

AssetPropertyGroups List AssetProperty Groups Details

General Operational Performance Physical Properties Materials Safety Design Data newgroup Foundry Production Maintenance Automobile

Name * Performance

Description Performance

1 - 12 of 12 items

AssetProperty Groups Details form fields and navigation buttons.

Asset property groups

inSis suite ProSense Global Settings AssetProperty Groups ABC Oil Company Administrator Jaajitech

AssetPropertyGroups List AssetProperty Groups Details

General Operational Performance Physical Properties Materials Safety Design Data newgroup Foundry Production Maintenance Automobile

Name * Performance

Description Performance

1 - 12 of 12 items

AssetProperty Groups List

AssetProperty Groups Details

Name *

Performance

Description

Performance

1 - 12 of 12 items

AssetProperty Groups List

AssetProperty Groups Details

Name *

Performance

Description

Performance


1 - 12 of 12 items

SMS provider

inSis suite ProSense Global Settings SMS Provider ABC Oil Company Administrator Jaajitech

SMS Provider Settings

Name	ProSense
Description	SMSProvider
BaseURL*	http://198.24.149.4/API/pushsms.aspx
SenderId Key Name*	senderid
SenderId Key Value*	PSENSE
Account Username Key Name*	password
Account Username Key Value*	123456
Account Password Key Name*	password
Account Password Key Value*	*
PhoneNo Key Name*	mobile
PhoneNo Key Value	Enter Provider PhoneNoKey Value
PhoneNo Value Separator	,
Message Key Name*	Text
Message Key Value	Enter Provider MessageKey Value
Unicode Key Name	UniCode
Unicode Key Value	0
RouteId Key Name	route_id
RouteId Key Value	2
CustomProperty Key1	Enter Provider CustomPropertyKey1
CustomProperty Value1	Enter Provider CustomPropertyValue1
Custom PropertyKey2	Enter Provider CustomPropertyKey2
Custom Property Value2	Enter Provider CustomPropertyValue2
Custom Property Key3	Enter Provider CustomPropertyKey3
Custom Property Value3	Enter Provider CustomPropertyValue3
BaseURL Bulk	Enter Provider BaseURLBulk



We can manage the SMS related settings to send the SMS alerts for users.

Managing services and functions

inSis suite | ProSense | Global Settings | Manage Service | ABC Oil Company

Service Info

inSisProSense ✔ : Running

Here, We can Start, Stop and Refresh the Service manually.

inSis suite | ProSense | Global Settings | Functions | ABC Oil Company

The Function is validated successfully

Functions List

- Avg3
- CorFlow

Functions Details

Name * Avg3

Description Average of three inputs

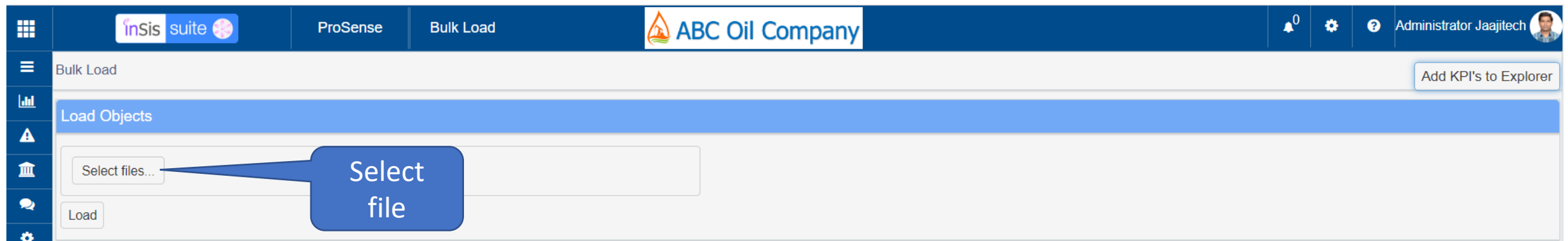
Expression * $(A+B+C)/3$

Function Variables * A,B,C

Here, we can create functions

Bulk Load: Bulk Load feature is for loading bulk amount of KPIs at a time in a single shot.

- In order to load the Bulk KPIs through bulk load option, follow below mentioned steps.
 - Click Bulk Load Option in Global Settings.
 - Click Select file to load the KPIs through Excel sheet.
 - After Selecting the file, Click Load option.
 - All the loaded KPIs can be seen after loading.
 - Go to KPIs list and check the loaded KPIs.



Asset bulk load

Bulk Load: Bulk Load feature is for loading bulk amount of Assets at a time in a single shot.

- In order to load the Bulk Assets through bulk load option, follow below mentioned steps.
 - Click Bulk Load Option in Global Settings.
 - Click Select file to load the KPIs through Excel sheet.
 - After Selecting the file, Click verify option.
 - All the loaded Assets can be seen after loading.
 - Go to Assets list and check the loaded Assets.

The screenshot displays the 'Bulk Load' interface within the InSis suite. The top navigation bar includes 'ProSense', 'Global Settings', and 'Bulk Load'. The main content area is titled 'Bulk Load' and contains a 'Load Objects' section with two buttons: 'Download Sample for CSV' and 'Download Sample for Excel'. Below this is the 'Assets File path' section, which includes a 'Select files...' button and a 'Verify' button. A blue callout box labeled 'Select file' points to the 'Select files...' button. Another blue callout box labeled 'Samples' has two red arrows pointing to the 'Download Sample for CSV' and 'Download Sample for Excel' buttons.

Message templates

insis suite ProSense Global Settings Message Templates ABC Oil Company Administrator Jaajitech

Message Templates List Message Template Details

Tmpl1	Name *	Tmpl1
Tmpl2	Description	Template 1
Tmpl1	Template ID *	TemplateId=1234567890
Tmpl2	Header *	INSISS
	Body *	INSISS This is a test message (#var)

Note: Template ID Syntax: TemplateId=999999999

1 - 4 of 4 items

Buttons: Save, Copy, Refresh, Delete

Email Templates

inSis suite ProSense Email Templates **ABC Oil Company** Administrator Jaajitech

Email Templates **+** Email Template Details **▲**

Name *

Description

Subject *

Message HTML *

Disclaimer

IsStatic OFF

Note: Variable Syntax: \${VariableName}, Ex: \${Host}, \${EventTitle}, \${NotificationTitle}, \${Criteria}, \${UserName}

1 - 9 of 9 items

- Email_Templates
- Email_Escalation
- Email_Notification
- SMS_Notification
- SMS_Escalation
- Email_Escalation
- Email_Notification
- SMS_Notification
- SMS_Escalation
- Email_Consumables

inSis suite ProSense Global Settings Message Templates ABC Oil Company Administrator Jaajitech

Asset List Security Details

Search..

- ABC Oil Company (60)
- ABC Chemical Company (16)**
- ABC Power Company (15)
- SIPCHEM (12)
- Asset6 (1)
- testingasset
- Asset1-testinhgfix
- Testing-2Aug22 (1)
- 1601-MP-CAP-LN1-BLWR (35)
- 1601-MP-CAP-LN1-VLVR (42)
- 1601-MP-CAP-UTL-CCCT (7)
- 1601-MP-CAP-UTL-QCTW (4)
- 1601-MP-CAP-LN1-QCTR (5)
- 1601-MP-CAP-LN2-QCTR (5)
- 1601-MP-CAP-LN2-BLWR (19)
- 1601-MP-CAP-UTL-CHIL (4)
- 1601-MP-CAP-LN2-VLVR (17)

Asset: ABC Chemical Company (16)

Select Usergroups: Search Groups.

Manage Perform Approve View Is Sub Asset

Resource Name	Can Manage	Can Perform	Can Approve	Can View	IsSub Asset	Remove
Administrators Unit1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Process Managers Unit1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

- Create an Asset Structure for Pumps and create two pump assets
 - Create Properties
 - Upload Performance Curves and Manuals
 - Create default view and consumables
- Create two KPIs for Pumps and create RC & Action Tracker
- Create two events for Pump Start & Stop and test for email notifications
- Create an SMS notification when both pumps are tripped
- Create Email escalations