

X - Force

X- Force AIMS

Alarm Information Management System

Overview

X-Force Alarm Information Management System software is our flagship product with more than 700+ installations all over world, in all major industries. X-Force AIMS is self-developed, high-performance application, to meet all the alarm and report capturing and analysis requirements, suggested by major consultants like EIL, Toyo, Jacobs etc. X-Force AIMS is a complete alarm, messages, event and report handling package. It provides a complete solution for alarm management and user collaboration, over various messaging system. Its in-depth and straight forward analysis reports, make problem analysis - a simple task.

**700 +
Installation**

What Problem is being solved ?

- Alarm Life Cycle Management
- Analytics for rationalization
- Compliance with EEMMU 191, SA 18.2, IEC-60
- Notifications on SMS / Email

What it does ?

- Critical Alarm and Alerts Handling
- Change Management
- Alarm Rationalization
- Root cause analysis
- Dashboards and Reports

AIMS Supports All Major DCS/SCADA

- ABB XA-800
- ABB Advant
- Yokogawa XL/CS
- Yokogawa CS-1000/ 3000
- Yokogawa Centum-VP
- Emerson Delta-V
- Emerson Ovation
- Emerson Provox & RS3
- Honeywell TDC-3000 \ TPS
- Honeywell Experion
- Invensys IA Series
- Invensys In-Fusion
- Wonderware InTouch/WSP
- Rockwell FTView/RSView
- Siemens WinCC
- GE Simplicity / iFix

X - Force AIMS Extended Features

Large Video Screen

Alarm Annunciator Display large Video screen from AIMS or OPC DA data acknowledge data.



Root Cause Analysis

Works over OPC DA connection Root Cause analysis using tree method self learning based on operator feedback.

Critical Alarm Display

Display critical alarms in various forms operator attention towards interlocks high priority alarm



Camera or Alarm

Change to PTZ camera to point of alarm for event

Event Over Trends

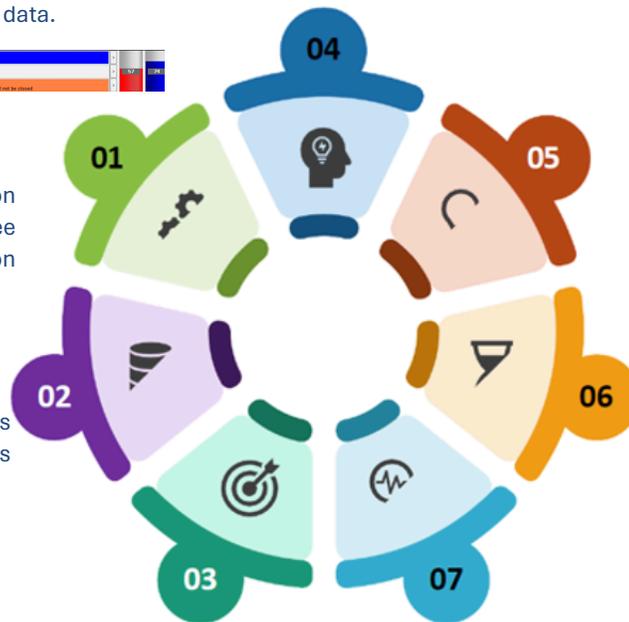
Combine view of alarms and data, collecting data from any historian

Change Management

Monitor alarm configuration set point or process set point in routine work flow to adhere process of change

Rationalization

Take master database and rationalisation of alarms systematically with work flow



X - Force AIMS Provides variety of Reports

- Operator Decision Support Guidance Report

Tag Name : LIC-9101

Description : Tank 9101 Water Level Low Alarm

Classification : Process Alarm

Alarm Type: Low

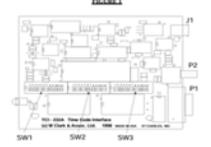
Area: 9100 (Tank Farm)

Current : 7.2 (Limit:8.0) CM

Consequence of No-Action

Temperature can rise due to low water level in tank.

Safety Hazard





Centrifugal Pump Repair and Maintenance Procedure- Part 1

Cause -1

Water Inlet valve stuck
Check valve output for VLV-9102
Manual opening from field Location OPX22

Cause -2

No water flow from day tank
Check level of day tank LI-9002
Call Utility Operator for water level in TK-9002

Instrument : Mr. Paresh – 9998823941

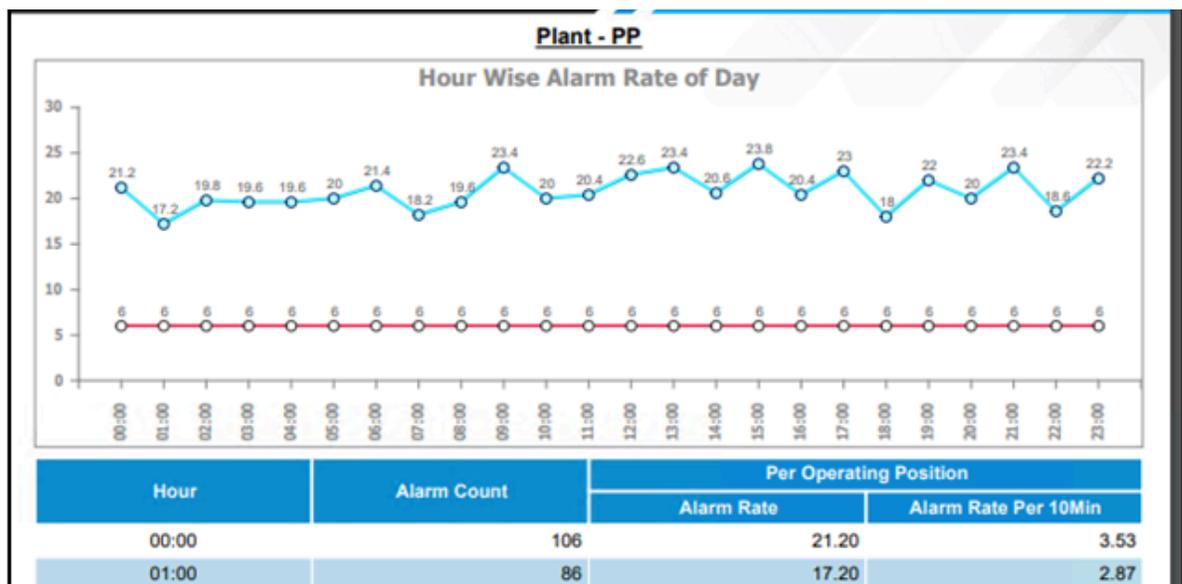
Utility : Mr. S Ghosh – 9998823941




- Key Performance Indicator – EEMUA 191 Report

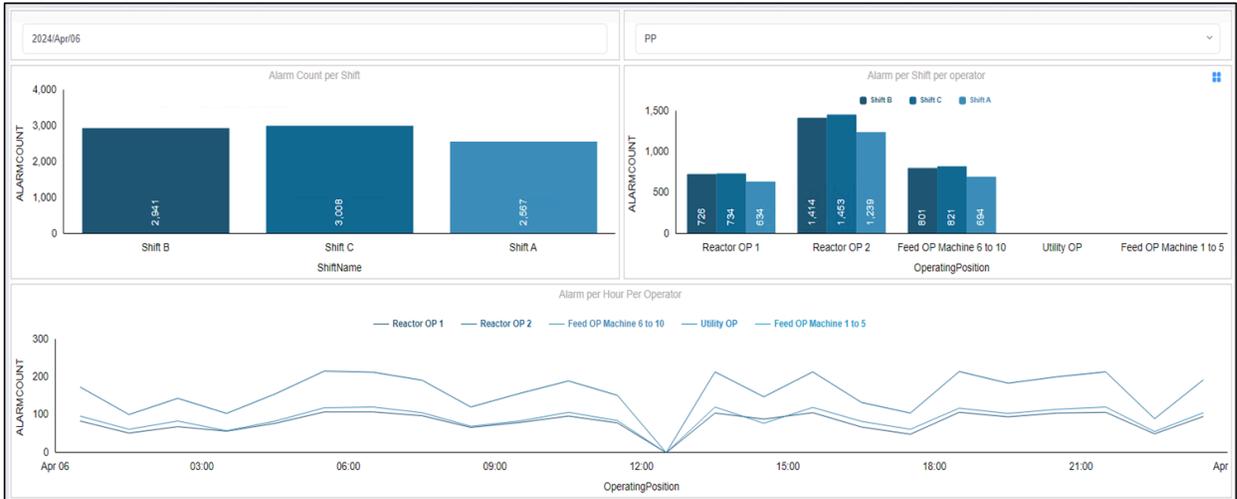
EEMUA 191 - KPI Report					
ALARMS / DAY / OPERATING POSITION 8392.00	ALARMS / SHIFT / OPERATING POSITION 2797.33	ALARMS / HOUR / OPERATING POSITION 349.67	ALARMS / 10 MINUTES / OPERATING POSITION 58.28	%OF TIME ALARM SYSTEM IS IN FLOOD POSITION 100.00	%OF HOURS CONTAINING MORE THAN 30 ALARMS 100.00
<small>Limit < 5.66</small>	<small>Limit < 48</small>	<small>Limit < 6</small>	<small>Limit < 1</small>	<small>Limit < 1</small>	<small>Limit < 1</small>
%OF 10 MINUTE PERIOD CONTAINING MORE THAN 10 ALARMS 100.00	NUMBER OF CHATTERING ALARM 23	NUMBER OF STANDING ALARMS 30	1ST (HIGH) PRIORITY ALARM 77.25	2ND (MEDIUM) PRIORITY ALARM 7.47	3RD (LOW) PRIORITY ALARM 3.07
<small>Limit < 1</small>	<small>Limit < 0</small>	<small>Limit < 10</small>	<small>Limit < 5</small>	<small>Limit < 15</small>	<small>Limit < 50</small>

- Alarm Rate Report

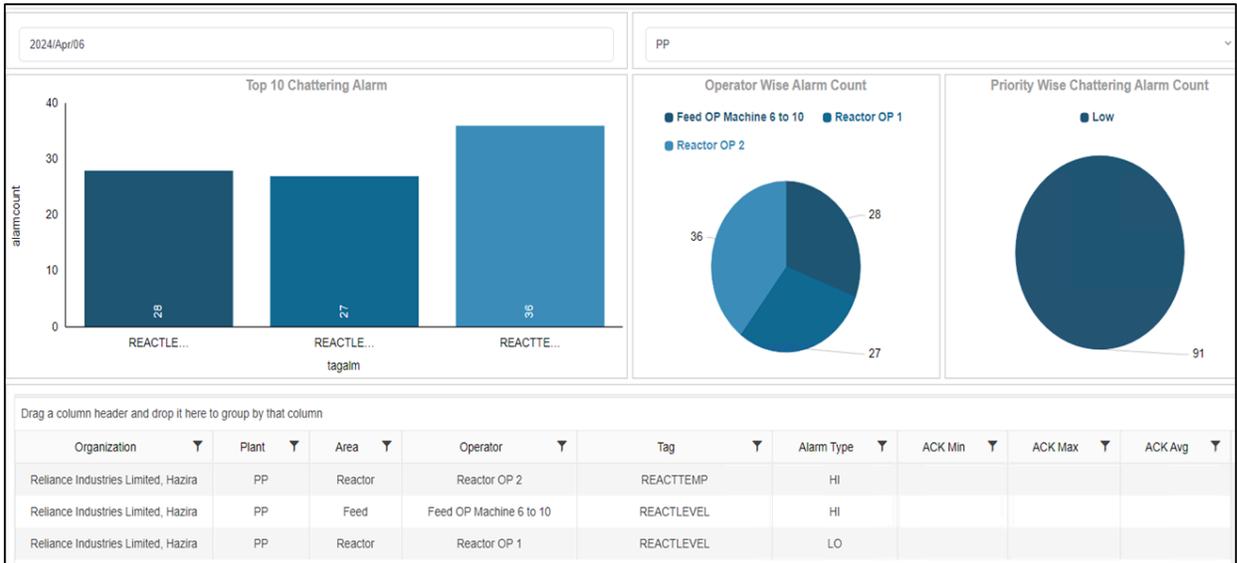


X - Force AIMS Provides variety of Dashboard

- **KPI Dashboard**



- **Chattering Alarm**



- **Alarm Rate**

