Intelligent Plant™
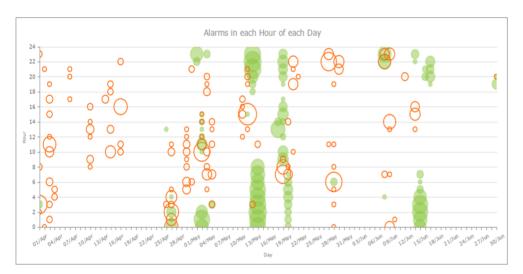
Inform, Enhance, Grow. Intelligently.
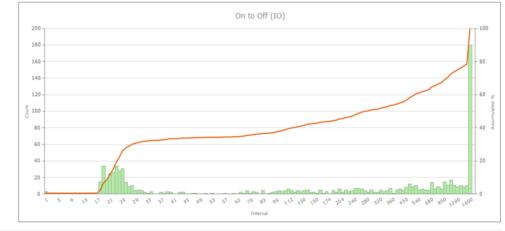
Alarm Analysis Differentiators

Alarm Analysis has unparalled Bad Actor diagnosis. Listing the Top 20 alarms is informative in terms of where the problem lies, but is of no help in actually diagnosing the problem on each tag.
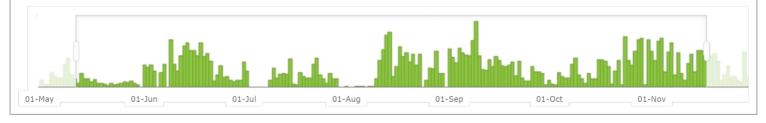

Alarms in each Hour of each Day

An hour by hour view of both alarms and interventions clearly shows if the time of day is relevant to when the alarm occurs, if the alarm chatters for several hours before being rectified or if alarms and interventions are correlated.

Measuring the time an alarm is ON, OFF and between annuniciations gives an exceptional view of the alarms characteristics and clearly shows if it is fleeting or chattering. It also allows for clear advice to be generated for adding ONDELAY or OFFDELAY. Intelligent Plant were the first company to release these metrics in a standard Alarm Analysis package.

On to Off (IO)

Intelligent Plant's unique database schema allows fast generation of charts even for traditionally time consuming queries like symptomatic alarms, events or operator interventions. Time frames and chart types can be quickly changed as a tags behaviour is investigated.
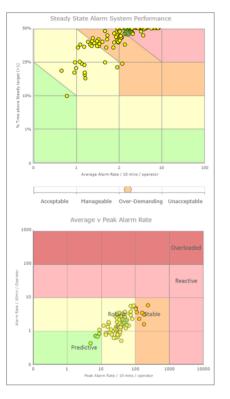
Bad Actor Diagnosis

Intelligent Plant™

Alarm Analysis Differentiators

Intelligent Plant were the first Alarm Management company to respond to the new requirements published by EEMUA in September 2013. This shows our committment both to the standards and the industry itself.

Steady State Alarm System Performance

Not only are we keeping up with advances, we have developed our own views which more clearly represent the data in terms of what we are trying to comprehend; the chart below for example, accurately shows the actual alarm rates experienced by the operator, without any skewing created by averaging.

Import data from the Alarm Response Manual, or fill it in as Bad Actors are analysed to have all the pertinent information at your fingertips.

Cause	Passing control valve allows level to go lo lo, which trips the outlet shutdown valve shut.
Consequence	Compressor trip on the HiHi.
Cost	£150,000
Urgency	High
Action	Reset XV.
Suggestion	This alarm only occurred on a few specific days, and may just have been due to pv crossing the alarm threshold as liquid built back up. Repair the control valve. Investigation ongoing into suitability of valves.

OSIsoft®
PI/PI AF

aspentech

Intelligent Plant are aiming to provide the most up to date and comprehensive Alarm Managment package in the world. To this end we are continually developing and responding to our customers. As an example, we recently released a module that allows historians to directly query alarm and event data, so that schematics and trends can display this data along with standard analog process values.

EEMUA 191 Rev 3 Compliance