

AlarmSuite

Part codes

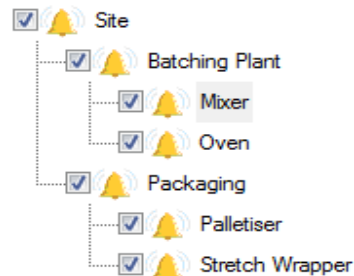
AS-002: AlarmSuite, 2 user
AS-200: Additional 2 users
CELLSAM3S: Cellular modem
ANT3GPATCH4M: Aerial
ASSPSDBLK: Power supply



AlarmSuite is a companion product for Wonderware SCADA systems. Its purpose is to notify operators of alarms and forward their acknowledgements back to the SCADA system.

Simple Setup

Setup is as simple as importing the alarm structure from the SCADA, defining a list of operators, including their contact method (SMS, email or Android app) and then creating as many alarm plans as required.



On Call	First Name	Last Name	Contact
<input checked="" type="checkbox"/>	Paul	MacCartney	SMS
<input checked="" type="checkbox"/>	John	Lennon	SMS
<input checked="" type="checkbox"/>	George	Hamison	SMS
<input checked="" type="checkbox"/>	Paul	MacCartney	Email

Powerful Alarm Plans

Alarm plans are associated with the imported alarm areas. They define the alarm escalation rules, the days and time of day the alarms are reported and the priority/severity of alarms that are reported in the plan.

Multiple plans for any area can be created. This allows different operators to be notified on different days or at different times. High priority alarms can be handled differently from lower priority alarms.

Plans can be configured to report alarms in associated child areas. This allows a user to create a single plan for an entire site if they so desire by creating a plan for the topmost alarm area and enabling child reporting for that plan.

Entire areas can be prevented from alarming, or if that's too broad, individual alarms can be disabled if needed.



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Easy to Understand Graphical Configuration

Alarm plans are created in an easy to understand graphical environment. Operators and groups are simply dragged into the plan.

The screenshot shows the configuration for a 'Day Shift [Stretch Wrapper]' alarm plan. It includes sections for 'Alarm Priorities (Max to Min)' with 'All' selected and a range from 1 to 999, 'Schedule' with days Mon-Fri checked and Start/End times of 08:00 and 17:00, and a list of operators with their respective delay times: John Lennon (SMS) with 5 mins, George Harrison (SMS) with 5 mins, and Paul McCartney (Email) with 0 mins. There are also 'Move' and 'Child Alarms' options.

When an alarm occurs in an area, alarm plans are started if the alarm conditions meet the criteria set in the plans.

Intuitive Operation

When an alarm plan starts, it notifies the first operator and then waits for a response. If no response is received within the configured escalation period for that operator, it notifies the next operator. This is repeated until either an operator acknowledges the alarm, the alarm returns to normal, or the plan terminates after its configured number of repeats.

If an operator is using SMS or email for alarm notification, he or she simply sends a reply containing the word "Ack" followed by the ID specified in the original message. If the mobile app is used, a notification is sounded for each new alarm. The operator sees a list of all current alarms which can be individually acknowledged.

When AlarmSuite receives the operator's response, the acknowledgement goes directly back into the InTouch or System Platform SCADA to acknowledge the alarm. The SCADA displays the operator's configured name and the acknowledgment method in the alarm comment.



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Fair Licensing

AlarmSuite licensing is based on the number of operators you need to send alarms to, not the number of alarms reported, or tags interrogated.

When you purchase AlarmSuite (product code AS-002), it comes with two operator licences. Anytime you need to upgrade the number of operators, just contact your distributor and they'll provide you with a new licence key for the required number of operators.

Pricing

Contact your distributor for details.

Summary of Features

- AlarmSuite is built using the Microsoft .Net Framework, Windows Communication Foundation and SQL Server
- AlarmSuite runs on a Windows PC as a number of services allowing unattended operation
- AlarmSuite can operate with both InTouch and Wonderware System Platform setups
- AlarmSuite can import the alarm structure from an InTouch def file or from an ArchestrA database
- AlarmSuite operators are configured to receive alarm messages via either SMS text message, email or Android app (only one method per licensed operator can be selected)
- AlarmSuite operators can be put on call or taken off call with the click of a mouse
- The Android app allows an operator to view all of their currently active alarms. The app sends delivery receipts to AlarmSuite so that it knows the operator has received the notification
- AlarmSuite can send alarm messages without requiring internet access when using an approved SMS modem (Switchbuild recommends the use of Intercel SAM3S modems)
- Use of email as an alarm notification method requires a valid user account and an email provider that supports IMAP and SMTP
- Use of the Android app requires a web service to be setup. Switchbuild will be able to guide you through this
- AlarmSuite handles a maximum of 1000 concurrent alarms (this can be increased upon request).
- AlarmSuite supports grouped operators
- AlarmSuite supports drag and drop for creating alarm plans and operator groups
- AlarmSuite has comprehensive event logging. Logged events can be viewed using the Windows event viewer snap-in
- AlarmSuite supports direct operator messaging – SMS or email as appropriate for the selected operator
- AlarmSuite supports SMS, email and Android app alarm acknowledgment
- AlarmSuite supports alarm masking at both the alarm area level and the individual alarm level
- AlarmSuite provides a graphical view showing the current state of active alarm plans