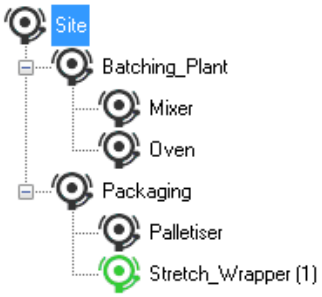
AlarmSuite

Part codes
- AS-002: AlarmSuite, 2 recipients
- AS-200: Additional 2 recipients
- CELSSAM3S: 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, then defining a list of operators, including their contact method (SMS, email or mobile app), then creating as many alarm plans as required.



On Call	First Name	Last Name	Contact
☑	Paul	MacCartney	SMS
☑	John	Lennon	SMS
☑	George	Harrison	SMS
☑	Paul	MacCartney	Email

Powerful Alarm Plans

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

Each alarm plan is associated with one or more areas. The same areas can be used in different alarm plans so that different operators can be notified on different days or at different times. High priority alarms can be handled differently from low priority alarms.

Areas are simply dragged into the alarm plans. A single plan can be used to report all alarms by dragging all areas into the plan.

Alarm plans can be individually enabled or disabled. If necessary, individual alarms in an area can be inhibited, for example for maintenance purposes.

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V11.0

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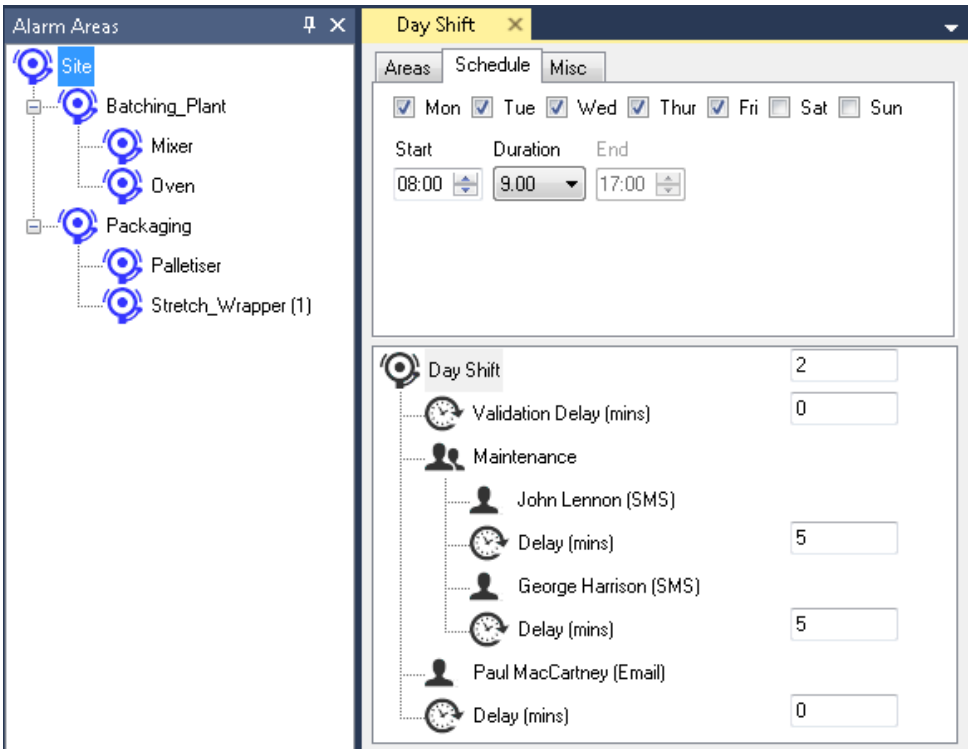
Easy to Understand Graphical Configuration

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



When an alarm occurs in an area, an alarm plan is started if the area is in the plan and alarm conditions meet the criteria set in the plan.

Intuitive Operation

When an alarm plan starts, it notifies the first operator 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 a mobile app is used, a notification is sounded for each new alarm. The operator sees a list of their current alarms that they can then acknowledge individually.

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

AlarmSuite

Fair Licensing

AlarmSuite licensing is based on the number of distinct recipients that can receive alarms, not the number of alarms reported, or tags interrogated. A distinct recipient is a uniquely named operator and their contact method – SMS, email or Android app. If one operator needs all contact methods, that would require three licences.

When you purchase AlarmSuite (product code AS-002), it comes with a licence allowing two distinct recipients to receive alarms. Anytime you need to upgrade the number of alarm recipients, just contact your distributor and they'll provide you with a new licence key.

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 either InTouch or 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
- The Android app allow an operator to view all of their currently active alarms and the alarm history
- The Android app sends delivery receipts to AlarmSuite so that it knows the operator has received the notification
- The use of the mobile app requires a cloud based MQTT broker account and internet access from the site
- AlarmSuite can send alarm messages without requiring internet access when using an approved SMS modem (Switchbuild can recommend a suitable modem)
- Standard serial and specific Ethernet SMS modems are supported
- The use of email as an alarm notification method requires a valid user account and an email provider that supports IMAP and SMTP
- 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 has an Alarm History page to easily see what alarms have occurred over a period of time
- AlarmSuite supports direct operator messaging – SMS or email as appropriate for the selected operator
- AlarmSuite supports SMS, email and mobile app alarm acknowledgment
- AlarmSuite supports alarm masking at both the alarm plan level and the individual alarm level
- AlarmSuite provides a graphical view showing the current state of active alarm plans