

■ The Problem

Plant personnel want to be informed quickly when a key process value arrives, an important calculation result is obtained or a specific alarm or event is received in Exaquantum.

■ The Solution

Yokogawa's Email Event Service (Exaquantum/EES) extends Exaquantum functionality by providing the ability to send an email or text message when important process data arrives, due to an Exaquantum calculated tag result or the arrival of a specific alarm or event.

■ Benefits

- Notifications can be automatically provided when there are changes in a system for which key people need to be alerted quickly to assist with the decision making process
- Emails and text messages provide a quickly accessible, efficient and low cost method of delivering notifications
- Exaquantum's use of the Microsoft Message Queue (MSMQ) provides buffered messaging to ensure the delivery of notifications

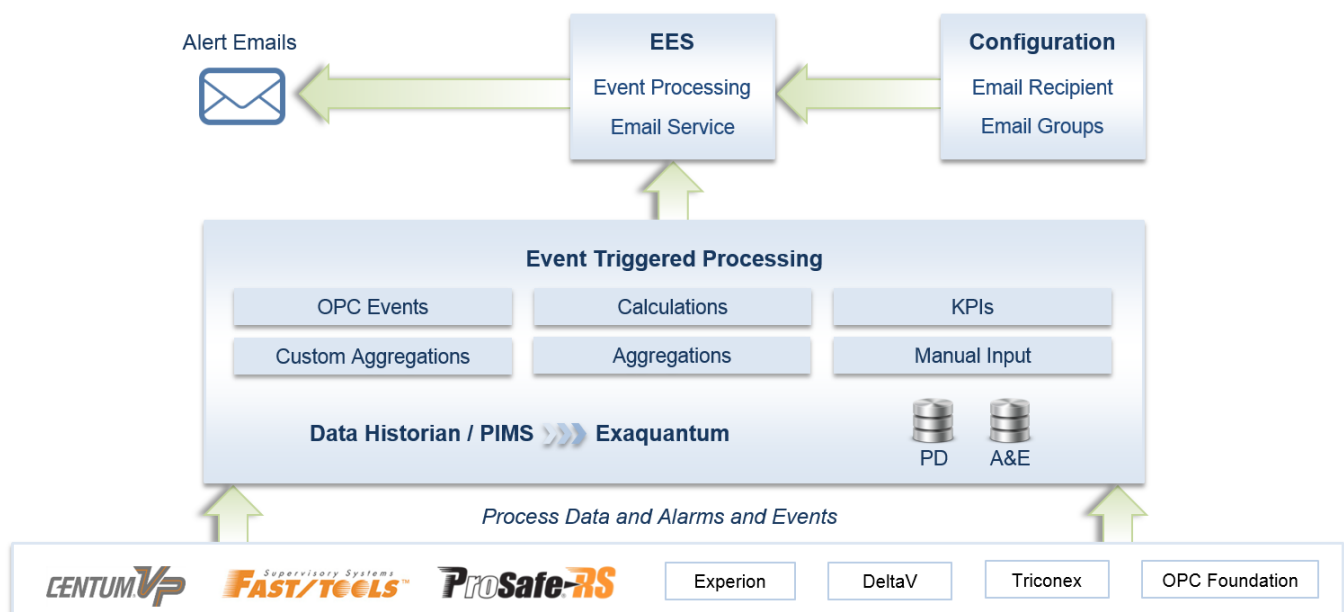
■ Key Features

- Emails can be sent based on:
 - An Exaquantum calculation result
 - The receipt of a filtered alarm or event from Yokogawa or Non-Yokogawa systems
 - The end of an Exaquantum aggregation period, such as hourly, daily, shift, etc.
- Emails and text messages can be sent to one or more recipients via an SMTP email or SMS server
- Only important information is provided based on defined values or configurable filters ensuring everyone is kept informed

■ Overview

Exaquantum provides the following capabilities.

- An Exaquantum calculation tag result can programmatically request an email or text message is sent to one of more people
- Every alarm & event received by Exaquantum can be filtered using the Exaquantum Event Generator, where one or more configured field filters can be applied to each received alarm or event message field to determine if an email or text message is sent to one or more people
- Whenever an Exaquantum aggregation period ends, the Exaquantum Event Generator can be configured to send an email or text message to one or more people



■ Hardware and Software Requirements

Minimum Hardware and Software Specifications

Component	Minimum Hardware Specifications
Exaquantum Server	As listed in the Exaquantum R3.01 GS 36J04A10-01E for an Exaquantum Server

Component	Software Specifications
Exaquantum Server	As listed in the Exaquantum R3.01 GS 36J04A10-01E for an Exaquantum Server

Exaquantum/EES must be installed on an Exaquantum server.

■ Models and Suffix Codes

Exaquantum/EES Licenses

Type	Product Codes	Descriptions
Model	GMSCCK14	Exaquantum/EES
Suffix Codes	-S	Basic Software License
	1	New Order (with Media)
	1	English Version
	-P□□	Enter the number of Exaquantum/EES Server Licenses in □□ (01-99)

Exaquantum/EES Maintenance Service

Type	Product Codes	Descriptions
Model	GMSCCK80	Exaquantum/EES
Suffix Codes	-S	Annual Contract
	1	Always 1
	1	Always 1
	-14P□□	Enter the number of Exaquantum/EES Server Licenses in □□ (01 - 99)

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