



Automated Messaging Enabled by SeQent's *FirstPAGE™* & *FirstPAGE™* Alarm Manager

Key Features

- Provides a window into the process allowing highly skilled technicians to build a database with specific text for each alarms / fault
- Full suite of flexible administration tools, accessible remotely
- Supports TAP, SNPP, SMTP protocols
- Send build counts (target/actual), Key Performance Indicators (OEE) and faults/events
- Supports all national mobile carriers, in-house paging systems as well as Motorola TEAM & MOTOTRBO devices
- Multiple applications can send messages to the same device

Applications

- Plant Floor Systems (Asset Management, Error Proofing, ERP, HMI/SCADA, Quality Systems, PLC's)
- Facilities Management (BMS, HVAC, Compressors, Chillers, Pumps)
- Material Handling (Fork Trucks)
- Extends condition monitoring systems
- Fire control systems (GE, Simplex Grinnell)

Use Cases

- Maintenance and production related fault messages
- Shift/shift period build counts
- Automate the emergency notification process

FirstPAGE™ Server (FPS)

FirstPAGE™ is a high volume message processing engine that can be coupled with any combination of *FirstPAGE™* auxiliary products to have messages dispatched from any application. It is easy to use in an operational setting and includes a full suite of flexible administration tools, all accessible remotely.

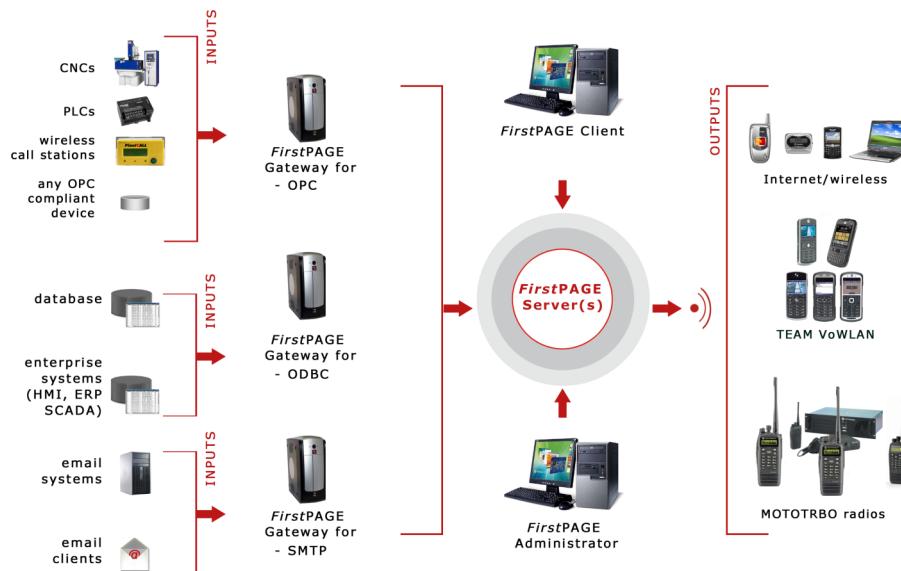
SeQent's *FirstPAGE™* product family delivers real-time, automated status messages to a specified hierarchy of individuals via personal communication devices, including cell phones, pagers, BlackBerrys®, Motorola TEAM VoWLAN, Motorola MOTOTRBO and other PDAs. This single application allows everyone with any kind of a messaging device to be loaded into a single database that can be shared with all applications in the organization.

Wireless Alarm & Event Dispatch

Enables users to send plant floor maintenance or production faults to text messaging devices within seconds of their occurrence. It allows staff to be informed of plant floor status regardless of their location. More machines can be monitored with fewer staff and personnel can keep on top of manufacturing volumes with hourly build counts, and reject counts.

Functionality

- Core engine controls messaging carrier connectivity and implements protocol drivers
- Gateways or clients feed requests to *FirstPAGE™* Server (FPS) for processing



FirstPAGE™ Features

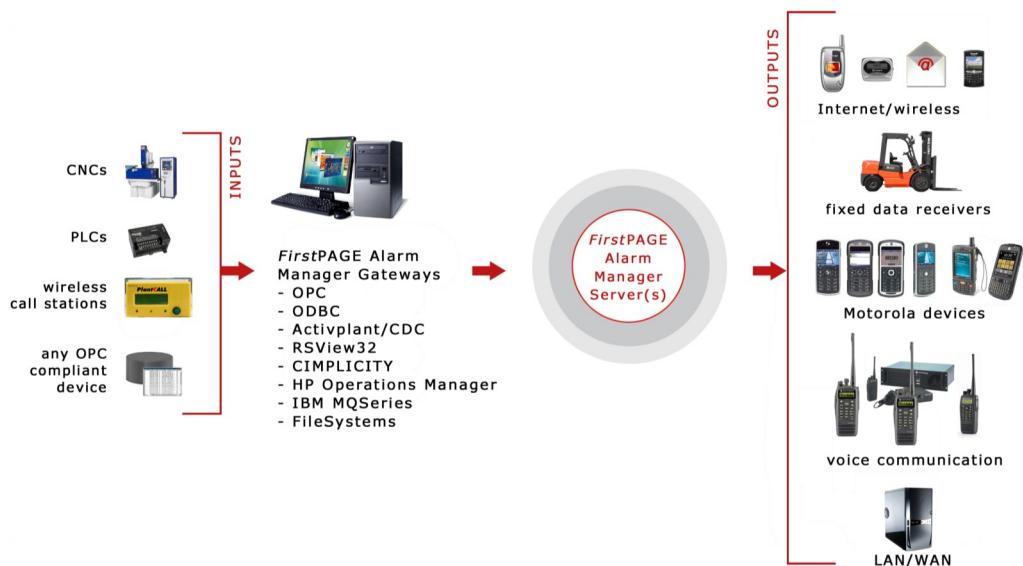
- Hot Reloadable: Server configuration is fully hot reloadable, allowing real-time changes to the live system with no impact to messages in process
- An administration tool that allows the user to create a database that maintains the relationship between: User names, Pin Numbers, Service providers, output mediums
- Windows 32 & 64 bit support
- Web based self-subscription
- Encryption of all registry and database stored passwords

FirstPAGE™ Alarm Manager (FPAM)

The *FirstPAGE™* Alarm Manager product line adds a sophisticated Alarm and Event management engine to our *FirstPAGE™* product line. FPAM only requires the source system to report "alarm active" and "alarm inactive", for any alarming event. This means that additional logic need not be added at the process control solution (i.e., PLC or HMI/SCADA system).

FirstPAGE™ Alarm Manager Features

- Escalation Hierarchy: Built-in logic including attributes, delay before send, repeat and more
- Unlimited time and/or tip escalation levels
- Terminate Message: Sends terminate message to prevent unnecessary responses once problem has been resolved
- Hot Reloadable: Server configuration is fully hot reloadable, allowing real-time changes to the live system



FirstPAGE™ & FirstPAGE™ Alarm Manager Family of Products (Partial list)

- **FirstPAGE™ Gateway for ODBC** gathers data values from any ODBC compliant database utilizing user provided SQL expressions. Subsequent to the data gathering, business rules may be applied to the data and a message format can be defined before it is forwarded to any *FirstPAGE™* compatible device.
- **FirstPAGE™ Gateway for OPC** gathers data from one or more OPC compliant servers. Subsequent to the data gathering, business rules may be applied to the data and a message format can be defined before it is forwarded to any *FirstPAGE™* compatible device.
- **FirstPAGE™ Alarm Manager Server** is the core alarm and event management engine for the *FirstPAGE™* Alarm Manager family. *FirstPAGE™* Alarm Manager Server implements all alarm notification hierarchies, message composition and event aging/tip level functionality in the *FirstPAGE™* Alarm Manager family within one central application
- **FirstPAGE™ Alarm Manager Gateway for CIMPLICITY** is an application which is integrated with General Electric's CIMPLICITY HMI to provide messaging capability in the event of a CIMPLICITY Alarm.
- **FirstPAGE™ Alarm Manager Gateway for Activplant/CDC** provides you with a high performance, easy to configure interface between Activplant and *FirstPAGE™* Alarm Manager Server. Using wildcard routing rules, Asset to messaging device incident mapping can be quickly and easily be configured.
- **FirstPAGE™ Alarm Manager Gateway for RSView32** provides an interface between RSView32 alarms and *FirstPAGE™* Alarm Manager Server.
- **FirstPAGE™ Alarm Manager Gateway for HP Operations Manager** monitors HPOM's alarm queue for active alarms and initiates Alarms required.
- **FirstPAGE™ Alarm Manager Gateway for MQSeries** collects Alarms & Events from IBM MQSeries hosted queues. Implementing business rules against the collected queue data - *FirstPAGE™* Alarm Manager Gateway for MQSeries monitors the data for exception conditions and initiates Alarms as required.
- **FirstPAGE™ Alarm Manager Gateway for File Systems** monitors file systems and specific files for exception conditions and initiates Alarms as required.