Industrial Warning Systems

ATI Systems is an industry-leading developer and manufacturer of advanced emergency warning and alarm notification systems for many types of industrial applications and facilities. Mass Notification Systems and Industrial Warning Systems are critical for alerting and notifying all personnel of dangers, threats, crises and communicating the immediate actions that must be taken to mitigate loss of property and life. ATI's Industrial Warning System is the most reliable, effective and efficient real-time means to deliver alerting information to people located either inside or outside of the facility using a combination of outdoor sirens, beacons, strobes, indoor speakers, pull stations, push buttons, gate controls, and many more available system components.

System Components

ATI has a complete family of products that deliver a turnkey system solution for outdoors, indoors, and/or network-based notification. ATI Project Managers and engineers will work with your team to select the appropriate equipment and design a system that best fits your application and your specific needs.
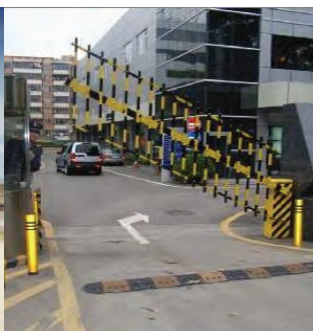The different components of the ATI system can include:

• **ATI Control Station (CS)** – a computer system with customized ATI software and the REACT-4000 Communications Control Unit (CCU) provides plant-wide control and monitoring of the entire system. The control station can interface to other notification systems, such as network alerting systems, paging systems, and telephone alerting systems. Multiple Control Stations and/or CCU's can be used for redundancy and additional Control Rooms. Rack-mount and/or industrial version available.

• **Outdoor Notification** – using our High-Powered Speaker Stations (HPSS), the ATI system delivers complete outdoor MNS coverage of the plant or facility

• **Indoor Notification** – using our three available indoor unit configurations, system activations can include audible and/or visual alerting coverage indoors with speakers, strobes, and/or message signs

• **Remote Terminal Units** – using our highly-flexible and configurable remote terminal units (RTU), the system supports remote pull-stations, visual alerting units in highnoise process areas, gate and traffic control, and more

• **Network Alerting** – allows you to deliver alerting information via email, telephone, SMS/text, desktop popup, Web/RSS and message signs

Strobes   **Traffic Lights**   **Gate Controls**   **Push Buttons**   **Message Signs**

How it Works

Depending on the situation, the system activation can be automatically triggered by detection of remote devices such as Pull Stations and Pushbuttons and/or through interfaces to existing detection systems, which will instantly communicate this information back to the Control Station. For non-detected events, control room or safety center staff can manually trigger activations utilizing the ATI Control Station to initiate real-time alerts to system components via encrypted wireless and/or wired communications. These notifications will be broadcast as alert tones, audio messages and/or live PA throughout the outdoor area of the plant by the HPSS units and the occupants of buildings can be notified via the indoor speaker systems. The system is also capable of sending notification to beacons, strobes, pagers, electronic messages signs, cell phones, networked computers, and a variety of other devices.

The system's broadcast capabilities include, but are not limited to, fire, vapor released, warnings, severe weather alerts, evacuation routes and other alerting information. All broadcasts meet OSHA and federal warning requirements.

System Communications

ATI's system components can be configured and setup for both wireless and/or hard-wired communication, with support for dual-redundant communication paths. Our systems can be implemented with support for RF using VHF/UHF licensed radios, Ethernet, Optical Fiber, Cellular or Satellite Modem, simple twisted-pair and more. Communication between system components is done using secure encryption technologies for robust, reliable operation, and operates as a 2-way system supporting command activation, remote status/fault reporting, polling/testing and more.

High Powered Speakers Stations (HPSS)

The ATI HPSS is the outdoor High-Powered Speaker Station (HPSS) which can be mounted on poles or on structures. The HPSS can provide alert tones, live voice broadcast, and pre-recorded audio messages such as fire, vapor, gas release, severe weather, all clear, etc. In order to create the right level of sound output and maintain voice intelligibility, multiple poles and speaker stations are positioned in specific locations throughout the base. The speaker heads are designed to allow 90, 180, 270 or 360 degree coverage, and can be tilted downwards to control sound propagation.

Indoor Notification Systems

ATI has a variety of solutions to provide the indoor audible and visual notification:

ISU: For most buildings where there is no other existing paging or notification system an ISU may be used. The Indoor Speaker Unit has 400 watts of power to drive a large number of indoor speakers and low-power outdoor speakers. It can also be configured with a strobe option for visual alerting to complement the audio alerts, a microphone option for local paging, and a control panel option.

IPAS: For buildings that have an existing paging or notification system, or PA system, the notification alerts from ATI's plantwide warning system can be extended onto the existing system by interfacing it to our Indoor PA Interface unit. This allows the outdoor tones and voice notifications to be heard over the building's existing speakers.

Network Alerting

Network Alerting features allow ATI's emergency warning systems to provide alert notification and information via email, telephone, pager, computer pop-up, SMS/text and also through Web/RSS portals. These capabilities extend your warning system's ability to deliver critical information to additional people that are either off-premise or otherwise may not get the standard notification. A multi-layered warning system provides a redundant means of notification to ensure that as many people as possible are being warned of the danger.

Remote Terminal Units

These highly-flexible remote terminal units (RTU's) can be used to initiate remote alarms and activations via pull-stations or push buttons, can control gates or traffic lights, and can also drive message signs, strobes and/or beacons. Detections can be configured to initiate total or specific area activations, and control of devices is also configurable to activate only during specific alerting events.

Through a powerful combination of built-in features and integration with a wide variety of 3rd party network alerting partners, ATI can provide a solution to meet virtually any network-alerting requirement.

All information and specifications are subject to change without notice, and may contain typographical or other errors.

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