

L O U D   A N D   C L E A R

# The Industrial Notification *Experts*



 **GAI-Tronics®**  
A Hubbell Company

*An explosion in the plant...*

... A fire.

An alarm whistle sounds.

One, two..how many blasts?

Those who hear it move  
toward the appropriate exits.

Those who don't wonder...

What did they say?

What's happening?

What about wind direction?

Where is the fire?

Is this the safe way out?

C O M M U N I C A T I O N S

In an industrial emergency, response time is crucial. An effective emergency notification system can make a tremendous difference in the aftermath of an incident in the lives you save and to your financial liability.



## Getting The Message, Loud And Clear

An emergency message isn't effective if it can't be heard... And industrial environments offer a special challenge because they are noisy, spread out and have a changing and mobile workforce. Hearing an alarm such as a steam whistle can be difficult. Three blasts? Four? Does everyone know the codes? What about visitors and outside contractors?

There's really no way to make sure everyone, everywhere in the plant understands an emergency message unless you tell it to them... loud and clear.

A voice notification system has countless advantages over alarm whistles or horns. Most importantly, live voice capability enables you to communicate up-to-the-moment information throughout the facility -- messages that are important to what is taking place at that critical moment. In fact, an emergency notification system with live voice capability is unquestionably the best way to ensure ongoing communications between plant management, employees, and rescue teams during and immediately after an incident has occurred.

*"GAI-Tronics' state-of-the-art system solutions allowed us to utilize our investment in existing systems to address future needs. For example, we didn't have to "start over" when addressing emergency notification; rather, we built on the investment we already made"*

*Pulp & Paper Customer*



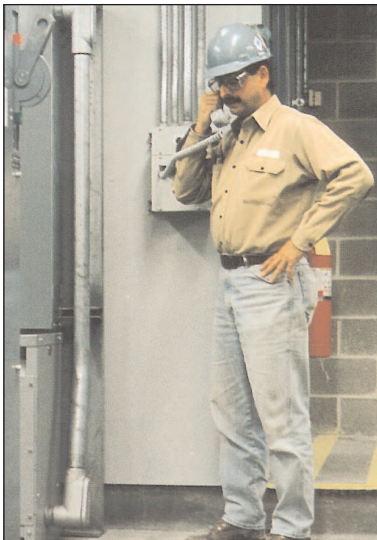
*GAI-Tronics offers many options for broadcasting tones and speech messages...horns, drivers and speakers for distributed amplification.*



*"GAI-Tronics offers us a solution that successfully addressed all of our needs. They provided us the system supervision we required and allowed us to meet the pertinent OSHA regulations. Using GAI-Tronics also allows us to capitalize on the equipment investments we had already made; we didn't have to purchase another entire system to address the emergency notification issues facing us."*

*Project Engineer  
Power Plant*

*Our rugged communications components feature noise-cancelling microphones, non-moveable electronic hook switches and rugged dust-tight housings. They're also hearing aid compatible.*



**A**t GAI-Tronics, our emergency notification systems provide clear and intelligible communications. Our emergency notification systems feature superior voice reproduction and Smart Volume™ Technology - a unique development that automatically adjusts speaker broadcast volume according to ambient noise levels. Our acoustics engineers are expert at overcoming sound barriers, reverberation, shadowing and high noise levels in the most volatile industrial environments.

We combine 50 years of expertise in operational communications with state-of-the-art microprocessor technology. The result: the only supervised emergency notification system with the capability to broadcast a combination of pre-recorded tones and speech messages, and live voice pages. Over any transmission medium: copper wire, RF or fiber. Everyone heard the message. **Everyone understands.**

## In An Emergency, There Are No Second Chances

The emergency notification system must work when you need it. Harsh environments - exposure to the elements, hazardous gases, dust or chemicals, even abuse - can take their toll on unprotected system components. Frequent hardware replacement or recurrent system downtime is expensive, frustrating and risky.

GAI-Tronics engineers emergency notification systems specifically to withstand the hazards presented in industrial settings. With over fifty years' experience in industries such as power generation, chemical, petrochemical, pulp and paper, offshore oil and gas exploration, and other heavy industries, we have established a reputation for making products that last.

Our emergency notification system components are Atex, CUL and UL-listed for use in hazardous environments. Once installed, our equipment offers continuous and automatic supervision of equipment functionality. Even during a power failure, operation and supervision can continue via battery backup. The emergency message will always get through.

## Different Operations Require Different Systems

At GAI-Tronics, we perform an individualized analysis to evaluate your specific emergency notification needs. Our approach to system design is modular -- allowing reconfiguration of components, addition of capabilities, or migration to new technology whenever it makes sense for your operations.

Whether engineered to interface to an existing communications systems, or configured to accommodate multiple speakers, strobes, pullboxes, paging stations, even RF links, your requirements will always be met. System components are self-diagnostic and can interface to existing fire and gas detection systems, and process control equipment.

Although sophisticated and comprehensive, our system operation is anything but complex. System users require minimal training -- the outcome is confident, reliable operations.



*As part of our complete system design we offer an acoustical survey designed to evaluate the requirements of your facility.*

## Protecting Your Employees, Safeguarding Your Investment

Your employees are a valuable asset to your company. Today, under OSHA and similar regulations, employers are shouldered with great responsibility for safeguarding their employees. These regulations include strict guidelines regarding requirements for emergency notification and alarm systems -- and they threaten substantial penalties for non-compliance.

At GAI-Tronics, we make it our business to understand relevant requirements and standards including UL, ATEX, IEC, NEC, OSHA, ABS, DNV, and NFPA. When you have compliance-related questions, you can rely on us to help you make informed decisions regarding emergency notification systems and procedures required for your facility.

*Touch screen monitor is a user-friendly way to supervise RF links and remote station status.*







GAI-Tronics® maintains memberships  
in the following distinguished association:

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American Institute of Chemical Engineers

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American Institute of Plant Engineers

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Association of Iron and Steel Engineers

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Association of Manufacturing Excellence

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National Fire Protections Association

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Pulp and Paper Safety Association

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TAPPI

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Institute of Electrical and Electronic Engineers



# Customer Listing

Abbott Laboratories Ltd.  
Air Products & Chemicals Inc.  
Alabama River Pulp and Paper Co.  
Alcoa  
Allegheny Power Service Corporation  
Allied Signal  
Alumax Aluminum Corporation  
American Electric Power Co. Inc.  
AMP Incorporated  
Anheuser-Busch Companies Inc.  
Aramco Services Company  
Arco Chemical Company  
Armstrong World Industries  
AT&T  
Atlantic Richfield Company  
Avery Dennison  
Azko Nobel Fortafil Incorporated  
B.F. Goodrich  
B.P. Amoco Chemicals Incorporated  
B.P. America Company  
Baker Hughes Incorporated  
Bally's Park Place Casino  
Bell Atlantic Corporation  
Bell Electric  
BELLSOUTH  
Bethlehem Steel Corporation  
Biocraft Laboratories Incorporated  
The Boeing Company  
Boise Cascade Corporation  
Boston Edison Company  
Bridgestone/Firestone Incorporated  
California Polytech University  
Campbell Soup Company  
Carpenter Technology Corporation  
Carolina Power & Light Company  
Centerior Energy Corporation  
Central Hudson Gas & Electric  
Century Offshore Management Corp.  
Champion International Corporation  
Chevron Texaco Corporation  
Chrysler Corporation  
Coastal Corporation  
Coca-Cola Company  
Colgate-Palmolive Company  
Columbia Gas System Service Corp.  
ConAgra Incorporated  
Consolidated Edison Co. of New York  
Constellation Energy Group  
Corning Incorporated  
Crown Cork & Seal Co. Inc.  
Dana Corporation  
Delta Air Lines  
Diamond Shamrock Incorporated  
Dole Foods Incorporated  
Dow Chemical Company  
Duke Power Company  
Dulles Airport  
Eastman Kodak Company  
E.I. DuPont De Nemours  
Emerson Electric Supply  
Engelhard Corporation  
Enron Gas Processing Company  
Enron Oil and Gas India Limited  
Exxon Mobil Corporation  
First Energy Corporation  
Florida Power and Light Company

FMC Corporation  
Ford Motor Company  
Fort Howard Corporation  
Foster Wheeler Corporation  
Fuji Electric Corp. of America  
GEICO  
Geisum Oil Company  
General Electric Company  
General Electric Specialty Company  
General Motors Corporation  
Georgia-Pacific Corporation  
The Gillette Company  
Glaxo Incorporated  
Goodyear Tire & Rubber Company  
Graybar Electric Company Inc.  
Great Lakes Pulp & Fibre Inc.  
Great Northern Paper Company  
Greenhill Petroleum Corporation  
Gulf States Steel Incorporated  
Hammermill Papers  
Harvard University  
Hawaii Electric Light Company  
Hershey Foods Corporation  
Hess Oil Virgin Island Corporation  
Hewlett-Packard Company  
Home Depot  
IBM Corporation  
Idaho National Engineering Laboratory  
Illinois Power Company  
Indonesia Ministry of Forests  
Intel Corporation  
International Paper Company  
JFK Airport  
John F. Kennedy Space Center  
Johnson Controls Incorporated  
JVC Magnetics  
Kansas City Power & Light Company  
Kellogg Company  
The Kelly Springfield Tire Company  
Keystone Steel and Wire Company  
Kimberly-Clark Corporation  
Koch Refining Company  
Kohler Company  
Kutztown University  
Lockheed-Martin Corporation  
Long Island Lighting Company  
Louisiana Radio Communications  
Lyondell Petrochemical Company  
Magnavox Electronic Systems Co.  
Mead Paper  
Monsanto Chemical Group  
Motorola Incorporated  
Nabisco Biscuit Company  
Occidental Chemical Corporation  
Oxy Petrochemicals Incorporated  
Pacific Gas & Electric Company  
Paramount Studios  
Parsons Overseas Company  
Parsons S I P Incorporated  
Peco Energy Company  
Petroleos Mexicanos  
Pennzoil Products Company  
Petrobras Brazil  
Philip Morris U.S.A.  
Phillips Petroleum Company  
Port Authority Trans Hudson (PATH)

PPG Industries Incorporated  
Procter & Gamble Company  
Public Service Electric & Gas Co.  
Puerto Rico Electric Power Authority  
Quaker Oats Company  
Raleigh Mine and Industrial Supply  
Ralston Purina Company  
Raytheon Company  
Reynolds Metals Company  
River Hill Coal Company Incorporated  
Roadway Express Incorporated  
Roche Products Incorporated  
Rochester Gas and Electric Corp.  
Rockwell International Corporation  
Rohm & Haas Company  
Rouge Steel Company  
Rutgers University  
S C Johnson & Son Incorporated  
Santa Fe Pacific Coal Corporation  
Saturn Machine & Welding Co. Inc.  
Saudi Arabian Airlines Incorporated  
Saudi Petrochemical Company  
Savannah Electric and Power Co.  
Shaw Industries Ltd.  
Shell Oil Company  
Southern Peru Copper Corporation  
Southwest Airlines Company  
State Farm Insurance Company  
Stone Container Corporation  
Taiwan National Police Administration  
Taiwan Power Company  
Taubmann Company  
Tenneco Incorporated  
Tennessee Gas Pipeline Company  
Texaco Pipeline Incorporated  
Texas Eastern Pipe Line Corporation  
Texas Instruments Incorporated  
Thai-Petrochemical Industries  
The Timken Company  
TU Services Incorporated  
TXU Energy  
Tyson Foods Incorporated  
Unicom Incorporated  
Union Carbide Corporation  
United Parcel Service of America  
United Technologies Corporation  
Universal Electronics Co. Inc.  
Universal Maritime Service Corp.  
Universal Parts Corporation  
Universal Studios Florida  
Universal Telephone Supply Inc.  
USX Corporation  
Vicom Incorporated  
Walt Disney World Company  
Washington Steel Corporation  
Westinghouse Electric Corporation  
Westvaco Corporation  
Weyerhaeuser Company  
Wheeling Pittsburgh Steel Corporation  
Wierton Steel Incorporated  
Willamette Industries Incorporated  
Wisconsin Electric Power Company  
Wisconsin Natural Gas Company  
Xerox Corporation  
Yale University



**GAI-Tronics® - USA Toll Free: 1 (800) 492-1212 Tel: (610) 777-1374 Fax: (610) 796-5954 [www.gai-tronics.com](http://www.gai-tronics.com)**

GAI-Tronics® Limited, UK Tel: +44 (0)1283 500500 Fax: +44 (0)1283 500400 [www.gai-tronics.co.uk](http://www.gai-tronics.co.uk)

GAI-Tronics® S.r.l, Italy Tel: +39 02 48601 460 Fax: +39 02 4585 625 [www.gai-tronics.it](http://www.gai-tronics.it)

GAI-Tronics® - Malaysia Tel: +60-3-8945-4035 / 8945-7348 Fax: +60-3-8945-4675

Quality Management Systems Certified - ISO9001:2000

The policy of GAI-Tronics® is one of continuous improvement, therefore the company reserves the right to change specifications without notice