



**City of Antigo**

**Weather Warning System AD HOC Committee Meeting**

**Council Chambers  
City Hall, 700 Edison Street**

**Thursday, October 2, 2025  
4:30 PM**

**Call to Order**

**Approval of Minutes**

1. Approve Minutes from the August 25, 2025 Meeting

**Discussion and Action May Occur on Any of the Following Agenda Items**

2. ATI Systems/Acoustic Technology Siren Presentation Online—Ty Macomber ATI Representative
3. Review Results of Weather Warning Siren System City Resident Survey
4. Financing Weather Warning Project

**Any Other Matters Authorized by Law to be Considered**

**Adjournment**

Upon reasonable notice, efforts will be made to accommodate disabled individuals through appropriate aids and services. For additional information, contact clerk treasurer's office, 700 Edison Street, Antigo, Wisconsin 54409. (715) 623-3633 extension 100. Members of and possibly a quorum of members of other governmental bodies may be in attendance to gather information. Any governmental body other than that specifically referred to above will take no action.

Date Posted: September 26, 2025

Glenn Bugni, Chairperson

**CITY OF ANTIGO**  
**AD HOC WEATHER WARNING SYSTEM COMMITTEE**  
**MINUTES OF MEETING HELD**  
**AUGUST 25, 2025**

Ad Hoc Weather Warning System of the City of Antigo met in Regular Meeting on the above date at 4:30 PM in the Council Chambers, City Hall, Chairperson Glenn Bugni presiding.

<b>Attendee Name</b>	<b>Title</b>	<b>Status</b>	<b>Arrived</b>
Thomas C. Bauknecht	Mayor	Present	
Glenn Bugni	Chairperson	Present	
Barb Rebstock	Ward 1	Present	
Joel Wagner	Ward 6	Present	
Jeff Geiger	Member	Present	
Hank Bie	Member	Present	
Rhonda Christian	Member	Present	
Darla Hoerman	Member	Present	
Benjamin Baumgartner	Member	Present	

Others in attendance were: Kaye Matucheski, Clerk-Treasurer-Finance Director; Corey Smith, Fire Chief; Shannon Smith, Administrative/Clerical Assistant Chelsea Deloria, Antigo Daily Journal; Todd Deloria and Steven Alexander.

**Minutes Approval**

1. Approve Minutes from the August 6, 2025 Meeting (Contingent Upon Completion)

<b>RESULT:</b>	<b>CARRIED [UNANIMOUS]</b>
<b>MOVER:</b>	Joel Wagner, Ward 6
<b>SECONDER:</b>	Benjamin Baumgartner, Member
<b>AYES:</b>	Bauknecht, Bugni, Rebstock, Wagner, Geiger, Bie, Christian, Hoerman, Baumgartner

**Discussion and Action May Occur on Any of the Following Agenda Items**

1. Sentry Siren Presentation- Christian Johnson, Sentry Regional Distributor

Chris Johnson and Evan Kerr, Sentry Siren, gave a presentation on quote provided to Alderperson Bugni.

Mr. Kerr stated the quote provided is for three sirens with battery backup noting the sirens are virtually maintenance free. He stated the quote total was \$130,000 for siren installation and software. Mr. Kerr stated the software is linked to the National Oceanic Atmospheric Administration (NOAA), so if NOAA issues a warning the siren will automatically go off.

He stated the only maintenance would be in approximately 10 years for the lithium batteries to be replaced at an approximate cost of \$7,500 total. Mr. Kerr noted the quote is for omni direction sirens, stating less potential for issues with stationary sirens.

Ms. Christian questioned how many other Wisconsin communities have they installed sirens in. Mr. Johnson stated he would be happy to provide a list, noting several communities in Wisconsin currently have Sentry Sirens. Mr. Kerr stated Sentry Siren has approximately forty systems in Wisconsin currently and can provide a full list of references near Antigo.

Upon inquiry from Ms. Christian, Mr. Kerr stated it is about a ten-to-twelve-week lead time for installation and late spring into summer is the best time of year to install. Mr. Johnson will provide training for running the software and Sentry Siren offers technological help for the life of the system. Mr. Johnson noted after eight years the computer will need to be replaced. He stated Sentry Siren will email an Amazon link for the City to purchase a new computer, current cost being \$400 and will reinstall software by appointment at no cost.

Upon inquiry from Alderperson Bugni, Mr. Kerr stated the lithium batteries are provided with a warmer that automatically turns on under thirty-four degrees.

Mr. Johnson recommends a three-minute monthly siren testing from April first to November first to avoid issues with ice in the siren housing. He noted they can set up auto testing with the software.

Upon inquiry from Alderperson Bugni, Mr. Johnson stated the solar panel can keep the battery charged for 45 minutes of continuous siren use or there is the option of alternating current and direct current (AC/DC) connection but noted the cost increase with power connection from the electric company.

Upon inquiry from Ms. Hoerman, Mr. Johnson stated there is a seven-year warranty for the mechanical siren head, three years for the radio controller and a ten-year warranty for the batteries.

Upon inquiry from Mayor Bauknecht, Mr. Johnson stated with the system they are presenting, the software can activate the sirens, noting a battery backup for the software computer is included.

Upon inquiry from Alderperson Bugni, Mr. Johnson stated the system will alert for: destructive or severe thunderstorm with one, three minute activation, tornado warning will be a three minute activation, six minutes off, three minute activation for the duration of the warning until it is expired or canceled and tornados on the ground the siren will activate every three minutes until the tornado emergency is over.

Mr. Johnson stated they will provide information and help with community education, so the community knows what each siren signal means. He noted they also provide a winter weather suite that will notify key staff about winter warnings and a high-definition radar system to help with emergency management.

Ms. Christian stated the City would want to keep that system with emergency management, noting they would have more information without the responsibility of activating the system.

Upon inquiry from Alderperson Wagner, Mr. Kerr stated the sirens are commonly placed on 50-foot wooden utility poles, Mr. Johnson noted the sirens are about 800 pounds.

Upon inquiry from Alderperson Rebstock, Mr. Kerr stated the quote is for the model 16v1t-b that is 129 decibels at 100 feet with the coverage being a 12,000 foot circle.

Alderperson Bugni stated he would like the price comparison for solar power versus AC/DC power. Mr. Johnson noted the sirens are the same cost for either solar or AC/DC, noting the cost difference is going to be with the electrical company.

Upon inquiry from Alderperson Bugni, Mr. Johnson noted that there is a button that can be activated by pressing the button for five seconds and noted there are ways to differentiate the siren sounds for weather emergencies vs non-weather emergencies.

Upon inquiry from Mr. Baumgartner, Mr. Kerr stated the audio frequency is 460 hertz.

Upon inquiry from Ms. Christian, Mr. Kerr stated per the quote the City will be responsible for completing all the locates for utility lines for installation. Mr. Kerr stated if the siren power source picked is AC/DC, he noted the installation includes everything on the pole, it would be up to the City to get the power to the pole. Upon inquiry from Ms. Hoerman Mr. Kerr stated they determine ideal site location with the use of google earth, but they could possibly come in person if requested.

Upon inquiry from Alderperson Bugni, Mr. Kerr noted heaters currently add about \$1,000 per siren and can be powered with solar.

Alderperson Rebstock questioned whether any towns in Wisconsin purchased heaters and Mr. Kerr replied no towns in Wisconsin have purchased heaters for the sirens.

Upon inquiry from Ms. Hoerman, Mr. Kerr stated the siren meter box will show what percentage the battery is at, and it will be at the bottom of the siren pole. He noted there are additional options that can be quoted for battery life indication.

Ms. Hoerman questioned the terms of the quote. Mr. Kerr stated payment upon shipment for equipment and payment for installation upon completion.

Mr. Johnson stated sirens can be painted custom colors to help with community buy in and support.

Upon inquiry from Ms. Christian, Mr. Kerr stated traditionally Homeland Security and Federal Emergency Management Agency (FEMA) have provided grants for sirens. Mr. Johnson stated the United States Department of Agriculture (USDA) Rural Development Block Grants have occasionally provided funding as well.

Upon inquiry from Ms. Hoerman, Mr. Kerr stated the life expectancy of siren heads is about 25 to 30 years and the electronics have about a 15-year life expectancy. Mr. Johnson stated they offer factory refurbishment as long as the motors are in good condition.

Upon inquiry from Ms. Christian, Mr. Johnson stated he completed the mapping and stated three sirens is heavy for coverage for the City's size. Mr. Kerr stated everything in the circle on the map provided is 70 decibels or higher and stated the coverage is good but can look at the locations of the sirens.

Mayor Bauknecht questioned how long the quote is good for and Mr. Kerr stated the quote is good for 30 days but will honor up to 60 days expecting a six percent increase over the next six months.

Upon inquiry from Ms. Christian, Mr. Kerr stated their top two competitors are Federal Signaling, who provide a rotating system which would mean more maintenance and American Signaling, which is a larger corporation, so it is hard to talk to a person for support.

Mr. Kerr noted what sets them apart is Sentry Siren is a smaller company and provides very responsive customer service.

Mr. Johnson stated with Sentry Siren there is no maintenance fee and no subscription or software fee. He noted they are the only company with satellite feed as well as an internet feed so if the internet is down as long as the computer has power it will still run the software.

Upon inquiry from Ms. Christian, Mr. Johnson stated they build most of their own equipment and software.

Ms. Hoerman questioned where the closest software technician is, and Mr. Johnson stated their technician is in Eau Claire.

<b>RESULT:</b>	<b>INFORMATION ONLY</b>
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## 2. Review of Weather Warning Siren System City Resident Survey

- a. Include Survey with Water Bill
- b. Compare Survey Respondent Addresses with City Resident Rolls
- c. Survey Media to be Used
  - i. Survey Monkey
  - ii. Location of Print Surveys-Antigo Public Library, Antigo City Hall, and the Senior Center
  - iii. Media Coverage Antigo Daily Journal, Antigo Times
  - iv. Review and Approve Survey Questions and Inclusions

Aldersperson Bugni spoke to Kaye Matucheski, Clerk Treasurer-Finance Director, about sending the survey out with the City water bills. Ms. Matucheski stated not everyone opts to receive water bills and the cost is about \$1,000 to have an insert printed and put in the water bills.

Ms. Christian questioned putting the survey in the newsletter at tax time and Ms. Matucheski stated the renters would not receive the surveys.

Ms. Hoerman suggested putting the survey in the Antigo Times. She stated she recommends putting no more than three or four questions. Ms. Hoerman noted a disclaimer statement at the top that states the sirens would be in addition to other forms of emergency weather communication that are currently used.

Mayor Bauknecht questioned if there should be a question asking if they are willing to donate, so residents realize there is a cost for these sirens. Ms. Hoerman stated the point of the survey is to see if the residents want the sirens and there is a statement on the survey about the sirens being privately funded. Aldersperson Bugni noted there are other ways to fundraise for the sirens.

There was discussion about residents needing to share their physical address not post office boxes.

Ms. Christian questioned before putting in the work of the survey, do they feel they will get anyone who does not want sirens. Ms. Hoerman stated she has gotten a couple of no responses when she has talked with residents.

Mayor Bauknecht questioned if they should hold off with the survey until some funding is secured.

Ms. Hoerman questioned where the survey should be distributed, noting City Hall, Antigo Public Library and the Senior Center were discussed prior. Ms. Matucheski stated the City has several Facebook pages that the electronic survey could be put on. Ms. Hoerman questioned if there is funds to put the surveys in the Antigo Daily Journal and Antigo Times. Chelsea Deloria, Antigo Daily Journal, stated an article would be free but an advertisement would have a cost. She noted she could put a link to the survey in an article.

Ms. Matucheski stated the committee should use the City copier to make copies of the surveys. Ms. Christian stated two hundred copies at each location Antigo Public Library, Senior Center and City Hall should be enough.

Aldersperson Dieck questioned the point of the survey and Ms. Christian stated it would help with community buy in.

Ms. Matucheski stated there are strong feelings both ways and the people want to be asked.

Ms. Christian stated when you ask someone's opinion, people want to know the results. She noted it will help with community communication.

Aldersperson Bugni stated Aldersperson Dieck shared a list of people who could be possible

donors and the cost would simply be postage and suggested sending them the survey. Ms. Christian noted she likes the idea of using the list of people for fundraising but not for the survey, noting it could seem like the Committee is picking certain people to take the survey.

Ms. Christian questioned a due date for the survey due to the time limit on the quote. Ms. Hoerman stated the due date of the survey is September 15, 2025. Ms. Christian noted the end date should be put in the article. Alderperson Bugni suggested putting the due date on the survey.

<b>RESULT:</b>	<b>INFORMATION ONLY</b>
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### 3. Financing of Weather Warning Project

- a. Discussion of Businesses/Foundations to approach for funding of the 3-5 Siren Weather Warning System
- b. Assignment of Businesses to Contact
- c. Newscasts, Facebook

Alderperson Dieck questioned if a mailing campaign is used and there are not enough funds to purchase the sirens, what will happen to the donations, noting on other fundraising campaigns he had to be prepared to return donations. Ms. Hoerman suggested at that point the committee could ask the City for matching funds instead. Ms. Christian questioned where the donation checks would be held. Ms. Matucheski stated this is a City activity so the donations should be mailed to the City and would be deposited in a separate account for the sirens with the City.

Upon inquiry from Ms. Hoerman, Ms. Matucheski stated the City is a government entity so she believes a donation would be tax deductible.

Alderperson Bugni stated that he and Alderperson Wagner have been talking with businesses and stated he thinks the goal should be \$150,000. Alderperson Bugni handed out a sheet to be approved by the committee to hand out to businesses for information about donations. Information included donations of \$7,000 for three years or \$21,000 within that time, or a one-time donation of \$1,000 suggested as well as information about making checks payable to the City of Antigo noting the donation with the intention of Weather Warning Project.

Mayor Bauknecht would like it to read suggested contributions. Ms. Christian would like to ensure a list of who paid what with contact information, in case money does need to be returned. Ms. Matucheski stated the City documents and receipts for all money received and would not comingle the contributions for the Weather Warning System with any other funds.

Ms. Christian would like name and contact information added to the information sheet in case the business would need to be contacted for any reason. Ms. Hoerman would like to add this donation may be tax deductible. Ms. Matucheski stated the City can provide a receipt if requested by the donor. Ms. Matucheski stated the City can accept credit cards as well.

Ms. Matucheski stated if the committee is using a three-year funding plan to pay for the sirens, the committee would need City approval to have the City provide the funding up front. Ms. Hoerman stated the three-year funding idea was suggested when there was a possibility of the sirens being placed on buildings for maintenance costs.

Ms. Hoerman suggested larger upfront donations, and smaller donations for long term for battery or computer replacements.

Ms. Christian suggested donation amounts of \$1,000, \$3,000, \$5,000 and \$10,000. She also suggested a donation thermometer with the tag line of "Community Protects Community" as a way to gain interest and show progress of funds raised.

Alderperson Bugni passed out the CoVantage Cares grant application, Ms. Christian found.

Ms. Christian stated the application needs to be in by August 31, 2025 to be considered in October of 2025 and to be considered for the 2025 Giving Tuesday campaign. Ms. Christian stated the Giving Tuesday Campaign is a great way to raise significant funds and awareness.

Aldersperson Bugni questioned the nonprofit aspect of the application. Ms. Matucheski stated the City is not a non-profit 501c3. Corey Smith, Fire Chief, stated he has applied for gear through CoVantage Cares and has received funding.

Upon inquiry from Aldersperson Bugni, Ms. Christian stated she would complete and submit the application, Ms. Matucheski noted if Ms. Christian needed any information to please reach out.

Aldersperson Bugni contacted Hydratight who seemed interested, Amron seemed interested, and noted that Wagner Oil seemed really interested as well. He noted he is working on contacting Karls Transport. Aldersperson Bugni questioned if any committee members were willing to help contact businesses.

Ms. Christian questioned if a letter could go to other businesses like attorneys, accountants, dentists and the hospital to find other donation sources. She stated she is willing to help stuff envelopes. Ms. Matucheski stated mailings should be run through the City mailing system due to cost.

Upon inquiry by Aldersperson Bugni, Mayor Bauknecht stated Daniel Duley, Police Chief contacted Kwik Trip and had the application submitted by Mr. Geiger pulled. Mayor Bauknecht noted the City would need to submit the application with Kwik Trip.

Aldersperson Bugni asked if anyone would be willing to contact banks. Ms. Christian stated requests should be in a letter form, noting banks usually require requests in writing.

Ms. Christian stressed the importance of a letter with all the information and requirements. Ms. Matucheski reminded the committee that Council will need to approve any quote before it is accepted.

#### Motion to Apply for the CoVantage Cares Grant

<b>RESULT:</b>	<b>CARRIED [UNANIMOUS]</b>
<b>MOVER:</b>	Jeff Geiger, Member
<b>SECONDER:</b>	Darla Hoerman, Member
<b>AYES:</b>	Bauknecht, Bugni, Rebstock, Geiger, Christian, Hoerman
<b>ABSENT:</b>	Joel Wagner, Hank Bie, Benjamin Baumgartner

#### 1. Additional Issues

None

#### Adjournment

##### 1. Motion to: Adjourn at 6:10 PM

<b>RESULT:</b>	<b>CARRIED [UNANIMOUS]</b>
<b>MOVER:</b>	Rhonda Christian, Member
<b>SECONDER:</b>	Jeff Geiger, Member
<b>AYES:</b>	Bauknecht, Bugni, Rebstock, Geiger, Christian, Hoerman
<b>ABSENT:</b>	Joel Wagner, Hank Bie, Benjamin Baumgartner

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Glenn Bugni, Chairperson

\_\_\_\_\_  
Date



Common Council Alderperson  
City of Antigo  
700 Edison St.  
Antigo, WI 54409

**Date:** October 2, 2025  
**To:** Weather Warning System AD HOC Committee  
**From:** Glenn Bugni, Alderperson  
**Subject:** ATI Systems/Acoustic Technology Siren Presentation Online—Ty Macomber ATI Representative

ATI is an Outdoor Warning Sirens and Emergency Notification system for military, campus, industrial and community municipalities.

**Fiscal Impact:**

**Recommendation:**

**Attachments:**

1. ATI Systems Quote Packet

The City of Antigo, WI Outdoor Emergency Warning System

Prepared For: Glenn Bugni, City of Antigo

ATI Systems - Cost Proposal

September 24, 2025

Pricing Valid for 90 Days From Above Date

ATI Systems, Inc.

30 Jeffries Street

East Boston, MA 02128

Tel: 617-418-2354

email:tmacomber@gmail.com

www.atisystem.com

MODEL #	DESCRIPTION	QTY	UNIT PRICE	EXTENDED PRICE
<b>I</b>				
<b>Communication Control</b>				
<b>REACT5000 CCU</b>	<b>REACT5000 Communication Control Unit</b> - Includes enclosure which can be used for desktop mounting or rackmounting (3U) for ATI Mass Notification System, at least 1 required per system. 7" touch screen for user interface, 8 watt amplifier with 1W internal speaker, connection for external speaker, (2) Supervised Push Button Inputs, (1) 12VDC Strobe Output 1A max, (2) Signaling Relay Outputs, microphone input, RJ45 Ethernet Port, Line level Audio Input and output with 8 hours of standby operation. Internal 12V UPS with 8 hours of standby operation and microphone included. Requires 12V 7AH battery-not included, Radio Not Included.	1	\$2,847.88	\$2,847.88
<b>ICG</b>	<b>Intelligent Control Gateway Board</b> - controller with powerful 32 bit ARM processor and multiple interfaces (Ethernet, USB, CANbus, RS232, RS485, radio and telephone). Improved Ethernet/IP interface allows IP communication between ATI units while supporting enhanced features like IPv6 and advanced security. Additional I/O, including relays and 8 watt audio amplifier, provides flexible local interconnection. Also provides digital storage for pre-recorded voice messages in field units.	1	\$856.13	\$856.13
<b>SOFT</b>	<b>Mass Alert Software Package for Windows 11</b> - Two way communication alarm software platform with graphics screen for control and monitoring. Allows additional CCUs on a system and monitors field sensors. Uses enhanced graphics and incorporates customized map such as Google Earth, GeoBase, or AutoCad similar format showing the basic facility and transportation layers. Identifies and communicates with all outside devices to include HPSS, RTU, ISU, OSU, etc... Provides over 130 configurable events.	1	\$3,301.40	\$3,301.40
<b>NWS</b>	National Weather Service Interface-Provides automated alerting based on NSW Polygon	1	\$2,500.00	N/C
<b>Remote Web Interface</b>	MassAlert Web Client - Web application that allow access to the MassAlert Service remotely from an PC with a computable browser (Chrome recommended). Server component can be installed on same PC running the MassAlert Windows Service or separate PC. Requires IIS & SQL Server, IP connection to the computer on which MassAlert windows service is installed, if both are not on the same machine. The machine on which the server component is hosted should be accessed from all computers that will be used to access the MassAlert through the web browser. Optional item available but not included in total.	1	\$2,500.00	\$2,500.00
<b>CS-COMP*</b>	<b>Computer Station</b> - Includes standard Computer, standard 19" monitor, keyboard, mouse, up to date Operating System, Ink Jet Printer, Serial Port and RS232 Cables, and multi-strip power outlet.	1	\$1,197.90	\$1,197.90
<b>BAT12V7*</b>	<b>Battery *</b> - Includes one sealed Battery 12V, 7AH.	1	\$99.79	\$99.79
<b>II</b>				
<b>Outdoor High Powered Speaker Stations</b>				
<b>MD-HPSS32</b>	<b>High Powered Speaker Station</b> provides 3200 watts of audio power. Includes a NEMA4X stainless steel siren control enclosure with an attached ventilated battery compartment, enclosure mounting bracket and mounting hardware. Enclosure contains a Class D amplifier integrated with a controller, an auxiliary Class D amplifier with an interconnecting cable, an intrusion switch, a temperature compensated battery charger and a power ON/OFF circuit breaker. Stationary Speaker Head includes, (8) 400W speaker horns with drivers, 50 ft of speaker cable, hardware and a speaker pole mounting bracket. Radio, Batteries and Antenna equipment sold separately. Note: HPSS32 requires 4 batteries per unit.	5	\$9,500.00	\$47,500.00
<b>MD-SP200W*</b>	<b>200W Solar Package</b> - Includes (1)200 W Solar Panels, 50 feet of cables and high wind support bracket.(Actual Wattage may vary due to market conditions)	5	\$1,250.00	\$6,250.00
<b>BAT12V100LA*</b>	<b>Battery</b> - Includes one Lead Acid 12V, 100AH battery.	20	\$284.04	\$5,680.80
<b>III</b>				
<b>Prerecorded Messages</b>				
<b>DMRT</b>	<b>Digital Message Recording Time</b> - Lot charge for 15 minutes recording time	Lot		\$1,500.00
<b>ICG</b>	<b>Intelligent Control Gateway Board</b> - controller with powerful 32 bit ARM processor and multiple interfaces (Ethernet, USB, CANbus, RS232, RS485, radio and telephone). Improved Ethernet/IP interface allows IP communication between ATI units while supporting enhanced features like IPv6 and advanced security. Additional I/O, including relays and 8 watt audio amplifier, provides flexible local interconnection. Also provides digital storage for pre-recorded voice messages in field units.	5	\$856.13	\$4,280.65
<b>IV</b>				
<b>Communication Equipment</b>				
<b>CM200D*</b>	<b>Conventional Radio</b> - VHF/UHF Analog, up to 25W	6	\$750.00	\$4,500.00
<b>AntVHF*</b>	OMNI Fiber Glass Antenna VHF, and antenna bracket.	6	\$260.72	\$1,564.32
<b>Antcable100*</b>	Antenna Cable length – 100 ft	1	\$259.18	\$259.18
<b>Antcable30*</b>	Antenna Cable length – 30 ft	5	\$99.79	\$498.95
<b>V</b>				
<b>Engineering Services and Documentation</b>				
<b>ENG/ACOUSTIC</b>	<b>Acoustic Design and Analysis</b> - Acoustic design to meet the requirements and function of client's environment. Includes the locating of equipment based on in house sound propagation study by ATI acoustic experts.	Lot		\$1,000.00

<b>ENG/SOFT DEV</b>	<b>Software Development</b> - Software development for new ATI system. Programming, implementation, and verification of the new system software that is to be utilized on ATI units.	Lot		<b>\$2,500.00</b>
<b>ENG / FIRM DEV</b>	<b>Firmware Development</b> - Firmware development for new ATI system. Configuration of the programming on ATI internal components and system hardware that is to be used in the field.	Lot		<b>\$2,500.00</b>
<b>ENG / SYST</b>	<b>System Engineering</b> - In house quality assurance of hardware and final optimization of the total solution that is to be deployed on customer site.	Lot		<b>\$1,000.00</b>
<b>FDOC</b>	<b>User and Hardware and On-Site Test Documentation</b> - Includes operator manuals for all ATI software and equipment and specific test documentation.	Lot		<b>N/C</b>
<b>VI</b>	<b>Installation and Start-up Services</b>			
<b>ATI INSTL</b>	ATI Installation Work performed by a Certified ATI Installer.	Lot		<b>\$31,182.00</b>
<b>POLE INSTL</b>	50' Class II wood poles w/ shipping.	Lot		<b>\$10,322.40</b>
<b>Start-Up</b>	<b>System startup includes-</b> ATI field specialists to perform system start up, inspection, testing, onsite operator and maintenance training. <b>This cost also includes Preparation, Quality Assurance, Optimazation and Field Time.</b>	Lot		<b>\$4,200.00</b>
<b>Start-Up Travel</b>	Travel for system startup includes airfare, hotel, car and per diem.	Lot		<b>\$3,928.00</b>
<b>SHIP</b>	<b>Shipping and Handling</b>	Lot		<b>\$5,395.00</b>
<b>VII</b>	<b>Warranty and Support Services</b>			
<b>WARRANTY</b>	<b>1 Year ATI Factory Warranty.</b> ATI Systems (Acoustic Technology, Inc.) warrants its products to be free from defective material and workmanship for one year from the date of delivery. All original equipment manufacturer (OEM) items will be covered by their own respective warranties. OEM items include radios, computer peripherals, antennae, etc. Extended warranties are available at additional cost.			<b>Included</b>
<b>TOTAL COST</b>			<b>Total</b>	<b>\$144,864.40</b>

**TERMS AND CLIENT RESPONSIBILITIES:**

<b>1</b>	Start Up must be done within six months from the date of this P.O. number. If not this item should be deleted and restarted when the installation is 100% completed.
<b>2</b>	TERMS: Net 30 days from receipt of invoice. Invoices are submitted upon receipt of materials/equipment, and every 30-days for services performed. (For International projects payment is due by wire with 30% on order and the remaining 70% before shipping)
<b>3</b>	Pricing Valid for 90 Days
<b>4</b>	Partial or Full delivery must be allowed and invoiced accordingly, otherwise storage fees may be applied for equipment that is ready to ship.
<b>5</b>	*Open Market Item. This is a third party product which is not subject to volume discount. This cannot be purchased individually without ATI product.
<b>6</b>	A Radio Frequency is required for system communication. It is the responsibility of the client to provide a dedicated radio frequency.
<b>7</b>	The Radio Frequency, Tones and messages need to be provided by the client at the time of the purchase order. Please Note: If there is a delay in providing this information to ATI, schedules and deadlines will be affected.
<b>8</b>	For IP communications, Client to have a dedicated network drop within 10 feet of ATI panel.
<b>9</b>	Client to provide VLAN for all equipment. VLAN must support static IPs and broadcast IP address.
<b>10</b>	FCP Note: ATI requires contact closure and line level audio. ATI will interface to an Aux Input with line Audio 300 or 600 Ohm audio. Upgrades or modifications required to pass audio is not included in this cost. Client is responsible to contact the manufacturer of the Fire Alarm Panel(s) if additional interface for the audio path is required. (ATI is not responsible for the modification, programming or the upgrading of the Fire Alarm Control Panel)
<b>11</b>	Client to provide AC drops within 10 feet of ATI field units. Suitable desktop location for ccu and control station equipment with local 120 vac outlets is required
<b>12</b>	Professional Engineering by state certifications (ie wind loading, roof or pole structures or siren structures) are not included but available for additional costs.
<b>13</b>	Installation is included.
<b>14</b>	Client responsible to spot all underground obstructions prior to digging. Proposal assumes no rock, water level table or cave-in during standard auguring of holes to a depth of 6-8 feet
<b>15</b>	ATI is not responsible for any damage to underground wiring identified by local hotline service or to structures not installed properly or to code
<b>16</b>	ATI is not responsible for right of way conditions that would prevent construction or require permitting or for any resulting costs.
<b>17</b>	FOB POINT(S): FOB Destination: to the 48 Contiguous States ,District of Columbia, Alaska, Hawaii, and Puerto Rico, for all other destinations, freight prepaid and added to invoice.

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## National Oceanic and Atmospheric Administration Polygon Alerting

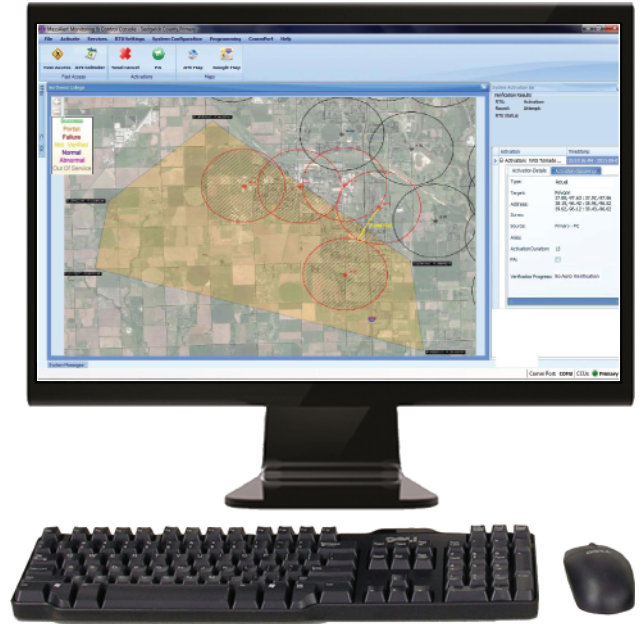
### Activate Your Mass Notification System Automatically with Alerts from the National Oceanic and Atmospheric Administration

The National Oceanic and Atmospheric Administration (NOAA) provides internet CAP based weather alerts with polygons defining affected areas.

CAP based weather alerts identify event types (Tornado Warning, Severe Thunderstorm, etc.), urgency, severity, latitude and longitude coordinates of polygons, and other details.

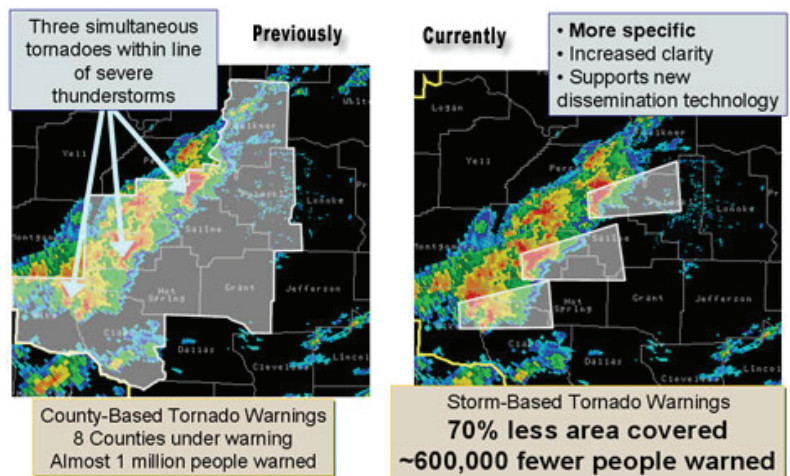
ATI supports CAP 1.2 as a receiver and/or initiator.

Activations are based on NOAA weather alert details and polygons of affected areas.



### NOAA Polygon Alert Benefits

- Specific warnings to the highest impact areas
- Reduces size of False Alarm Area (FAA)
- Increases effectiveness of warnings
- Allows for more organized and cost effective use of public resources
- Minimizes effects of high impact events



Graphics are from: <http://www.nws.noaa.gov/sbwarnings/>

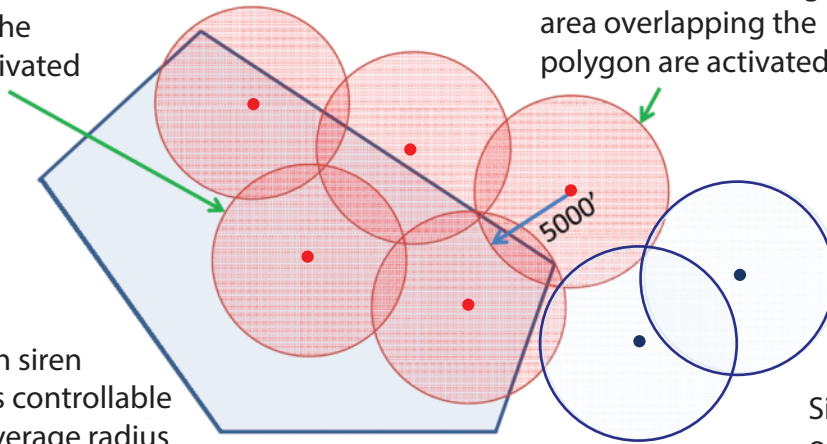
- The typical Storm Based Warning (Polygon Alert) is ¼ the size of a Warned County
- The value of NOAA Storm Based Warnings is estimated to be almost \$100 million per year in reduced sheltering costs.

# How It Works

Sirens within the polygon are activated

Sirens with a coverage area overlapping the polygon are activated

Proximity of each siren to the polygon is controllable by the siren's coverage radius distance, allowing sensitivity adjustment



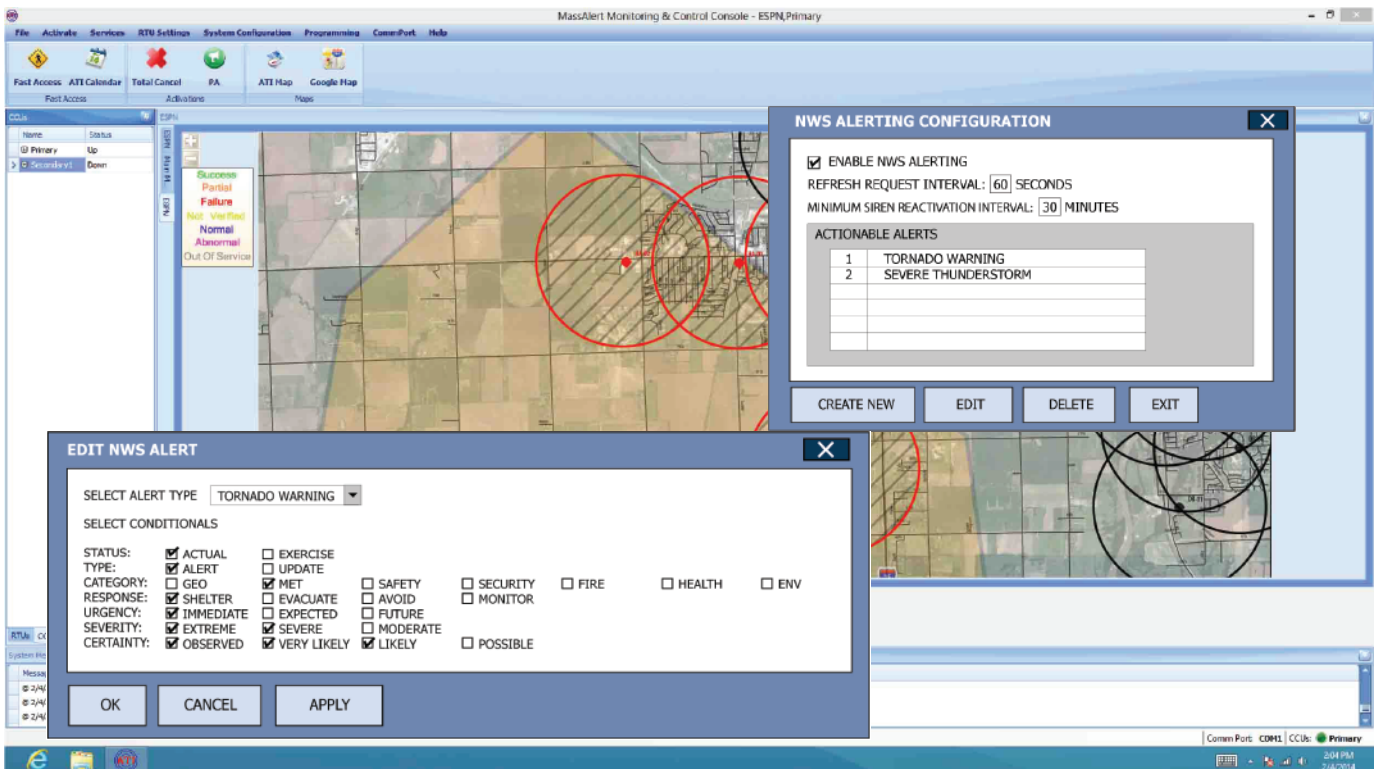
Siren coverage areas outside the polygon are NOT activated

Activations triggered by NOAA Alerts appear in the standard activation window.

Pertinent NOAA event details are displayed (Tornado Warning, Urgency: Immediate, Type: Actual, etc.)

Polygons received are displayed on the main screen map indicating the affected area and the specific sirens being activated.

NOAA alerts for the county are saved, logged and reported in the system regardless of whether they triggered an activation.



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

# HPSS

High Powered Speaker Station | Directional Horns for Maximum Intelligibility

The High Powered Speaker Station (HPSS) provides exceptional voice clarity for outdoor mass notification applications where intelligibility of pre-recorded voice messages and live Public Address (PA) is critical. The HPSS provides up to 3200 watts of continuous audio output. It is also capable of driving strobe lights and LED message signs for visual alerting in areas with high ambient noise levels. The HPSS comes with two configurations, one with 1600 watts of acoustic power, and one with 3200 watts of acoustic power. The HPSS is monitored, controlled, and activated by an ATI central control unit, REACT5000, or can operate as a standalone using the Local Operating Console (LOC) option.\*

The HPSS can support multiple simultaneous communication paths. In the event of AC power loss, the batteries provide a full week of standby time followed by at least 30 minutes of continuous activation. In addition, ATI offers flexible on and off the grid power options. These units are recommended for use when intelligibility is the highest priority.



## KEY FEATURES

- Excellent acoustic performance and voice intelligibility
- Cutting edge computing power and enhanced security
- 32-bit ARM CPU
- SSL/TLS security standards: including AES, RSA, 3DES, ARC4, SHA1, SHA2, MD2, MD4 and MD5
- TTS (Text-to-Speech) capabilities
- Up to eight 400W speaker horns and steel speaker mounting bracket included, for roof or pole-mount installation
- Configurable audio coverage patterns ranging from 360° omnidirectional to unidirectional
- NEMA 4X Stainless steel enclosure with ventilated battery compartment, door intrusion switch, and enclosure mounting bracket
- Unique, compact and highly efficient Class D amplifiers with 1600/3200 watts of continuous audio output power integrated on a high-performance controller board
- Conformal-coated printed circuit boards for operating in harsh environments
- UL464 listed option available upon request\*
- Message encryption and security coding to prevent unauthorized system activations
- Local/remote testing and reporting including "silent" testing
- Temperature-compensated battery charger and power On/Off circuit breakers
- Very low standby power requirements and 60 minutes of continuous activation
- Reliable, flexible, and redundant communication methods: UHF/ VHF RF, IP, Ethernet-over-Fiber, Telephone/ Twisted - DSL, Cellular, and Satellite
- Built-in tone generator providing 10 standard, pre-configured tones; up to 255 pre-recorded voice messages and 100 hours of recording time
- Automatic gain control for consistent output volume

\* Additional hardware/firmware may be required.

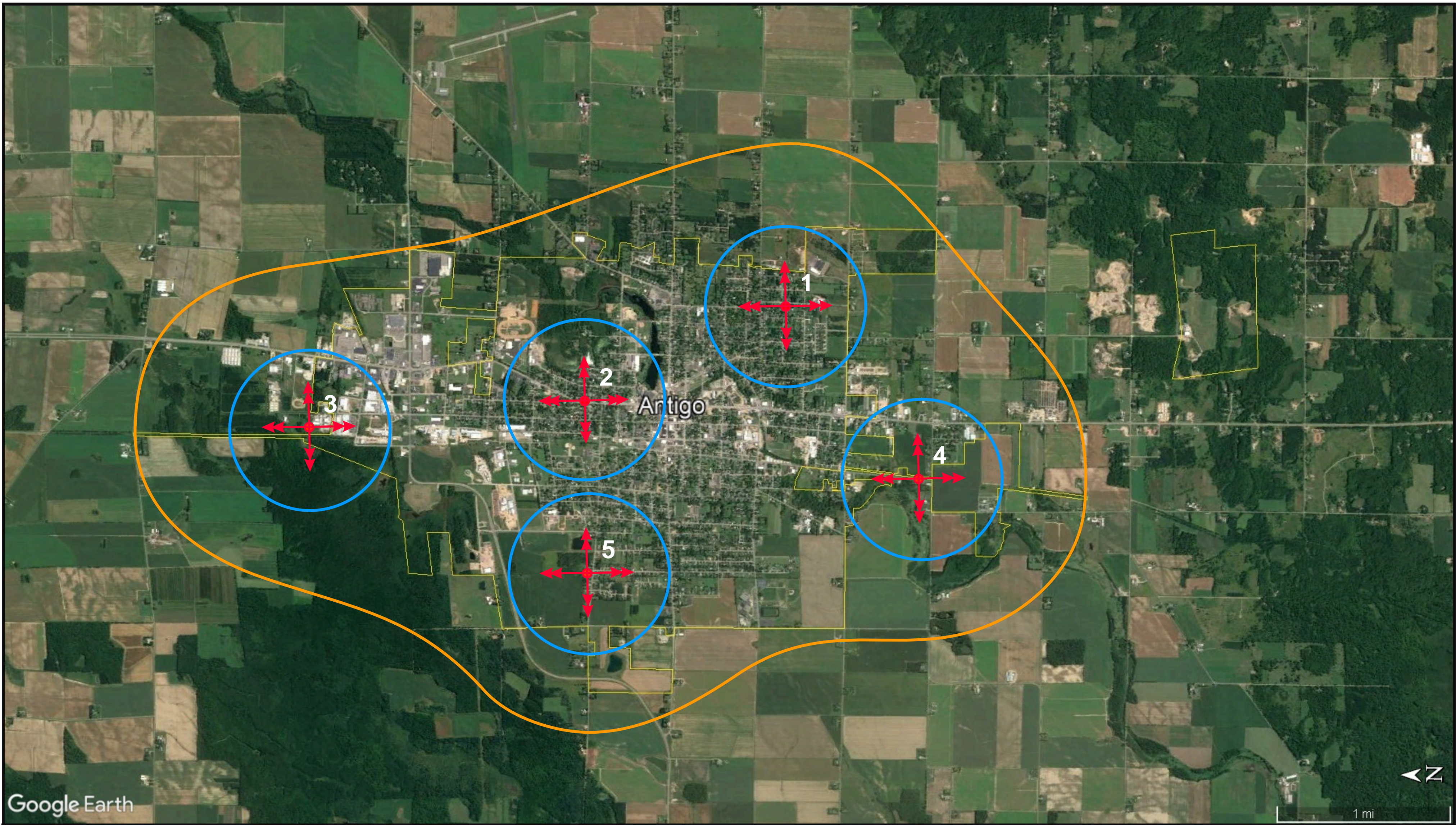


30 Jeffries St. Boston, MA 02128 | 617.567.4969 | [atisystems.com](http://atisystems.com) | [info@atisystem.com](mailto:info@atisystem.com)

PHYSICAL ATTRIBUTES	HPSS 1600 Watt	HPSS 3200 Watt	400W Speaker
Length:	40"	40"	19"
Width:	23"	25"	21"
Depth:	15"	15"	24.34"
Weight (without radio/batteries):	118 lbs	126 lbs	45 lbs
ENVIRONMENTAL CHARACTERISTICS			
Temperature:	-40°C to +60°C		
Humidity:	0 to 95% non-condensing		
ELECTRICAL CHARACTERISTICS			
	HPSS 1600 Watt	HPSS 3200 Watt	
Supply Voltage:	120VAC 60Hz, 240VAC 50Hz	120VAC 60Hz, 240VAC 50Hz	
Supply Current Max:	5A	3A	
Standby Current (24 VDC):	550mA typical §	550mA typical §	
Standby Time (without AC):	> 7 days §	> 7 days §	
Activation Time Max:	60 minutes (steady tone, full power) §	60 minutes (steady tone, full power) §	
Battery Backup:	2 to 12V 100AH*	2 to 12V 100AH*	
Radio Power Supply:	12V DC, 12A max*	12V DC, 12A max*	
COMMUNICATION I/O			
Communication (to ATI units):	UHF/VHF RF, IP, Ethernet-over-Fiber, Telephone/ Twisted - DSL, Cellular, and Satellite		
RS485/RS232 Port:	1 maximum (either RS485 or RS232)*		
Signaling Inputs:	8 maximum (configurable)*		
Signaling Outputs:	8 maximum (configurable)*		
Audio Out (for PA or FACP):	Configurable 300/600 ohm balanced or unbalanced*		
PRE-RECORDED MESSAGES/TONE CHARACTERISTICS			
Alert Tones:	10 pre-configured alert tones		
Recorded Messages:	255 max		
Recording Time Max:	100 hours (depends on recording content)		
AMPLIFIER CHARACTERISTICS			
	HPSS1600	HPSS3200	
400W Speakers:	Up to 4	UP to 8	
Output Voltage:	25V	25V	
Power max (audio/strobe):	1600W RMS	3200W RMS	
Audio Bandwith:	250Hz to 5kHz	250Hz to 5kHz	
Output Regulation:	< 1dB no load to full load	< 1dB no load to full load	
Amplifier Efficiency	90%	90%	

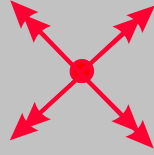
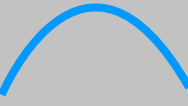

\* Additional hardware/firmware may be required.

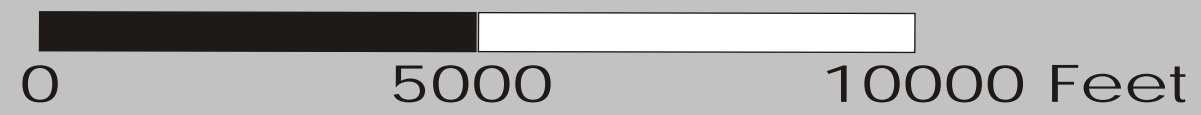
§ Depending on battery and radio configuration.



**Map 1 Preliminary Acoustic Coverage  
Antigo, WI**

**Legend**

-  HPSS32 Pole at New Locations (6)
-  Approximate 80 dBC Voice Contour
-  Approximate 70 dBC Tone Contour



Graphic Scale N ←



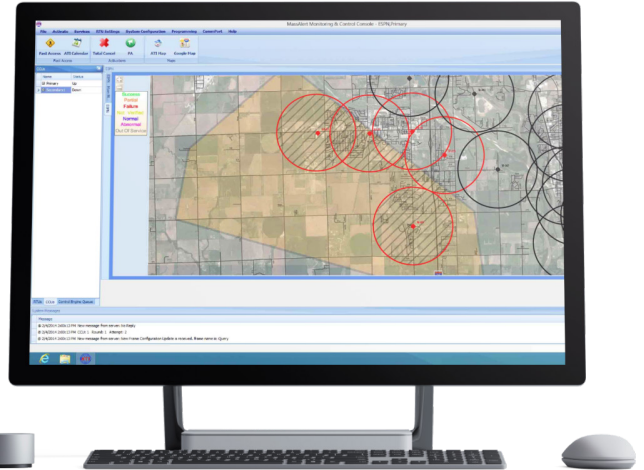
**Proprietary ATI Systems Oct. 17, 2023**

1. THIS ACOUSTIC COVERAGE ANALYSIS IS BASED ON THE INFORMATION PROVIDED TO ATI TO DATE. THE ACTUAL FIELD COVERAGE ANALYSIS MAY VARY DEPENDING ON ADDITIONAL SITE SPECIFIC INFORMATION. THIS MAY RESULT IN THE PURCHASE OF ADDITIONAL UNITS.
2. THIS ACOUSTIC COVERAGE IS GENERAL. SHADOW ZONES MAY BE GENERATED BY STRUCTURES, WHICH MAY INTERFERE WITH COVERAGE.
3. PLEASE DO NOT DISTRIBUTE THIS ACOUSTIC COVERAGE ANALYSIS TO ANY THIRD PARTY WITHOUT ATI'S AUTHORIZATION.
4. BASE MAP OBTAINED FROM GOOGLE EARTH.

# MassAlert

Intelligent MNS Software

MassAlert® is an advanced software program for the control and monitoring of ATI's emergency notification systems. It is a highly interoperable application that integrates seamlessly with distributed data collections, sensing devices, and existing emergency communication systems, to reach everyone in the shortest time utilizing a wide variety of notification channels including sirens, paging systems, social networks, emails, text, and phone calls. MassAlert® supports high-reliability and fault-tolerant deployment scenarios, ensuring high-availability during man-made or natural disasters. Utilize an architecture that can support any alert system, from large nation-wide mass notification systems to an individual city or building.



MassAlert® provides our clients with the capabilities to customize a robust solution that meets their needs. Employing a layered security strategy combining several security protocols to form a multi-layered defense against cybersecurity threats. MassAlert's client-server architecture is based on cutting edge technologies allowing access through desktops, the web or our mobile application. It provides an intuitive graphical user interface with multiple interactive maps that allows system operators to monitor and control the entire system easily, being a 1-siren system or a large distributed system with thousands of sirens that are geographically dispersed.

## KEY FEATURES

- Intuitive user interface: web application, desktop application and mobile application (support both android & iOS)
- Up to 63 configurable emergency scenarios or preconfigured alerts
- Configurable shortcuts for most frequently used scenarios/alerts
- Interactive and real-time maps with live status information
- Full reporting and system status monitoring
- Severe weather alerting: automatically activate the system in case of weather warnings issued by the National Weather Service for the designated areas
- Text To Speech (TTS): instant mass notification audio alerts from text-based alerts
- Event-driven automatic mass notifications; events can be generated by sensors, fire systems, panic buttons, and other applications/systems
- Schedule mass notifications; a built-in scheduler can be used to send non-emergency mass notifications on a time-based schedule that is user-configurable
- Flexible integration and interoperability: sending and receiving notification messages to and from other existing applications/systems\*
- Automatic fail switch over: if the primary unit goes down, one of the secondary units automatically take over all its responsibilities including sending event-driven and scheduled alerts
- Role-based access control ensuring that only authorized users can access the system
- CAP (Common Alerting Protocol) Compliant\*
- IPAWS compliant\*

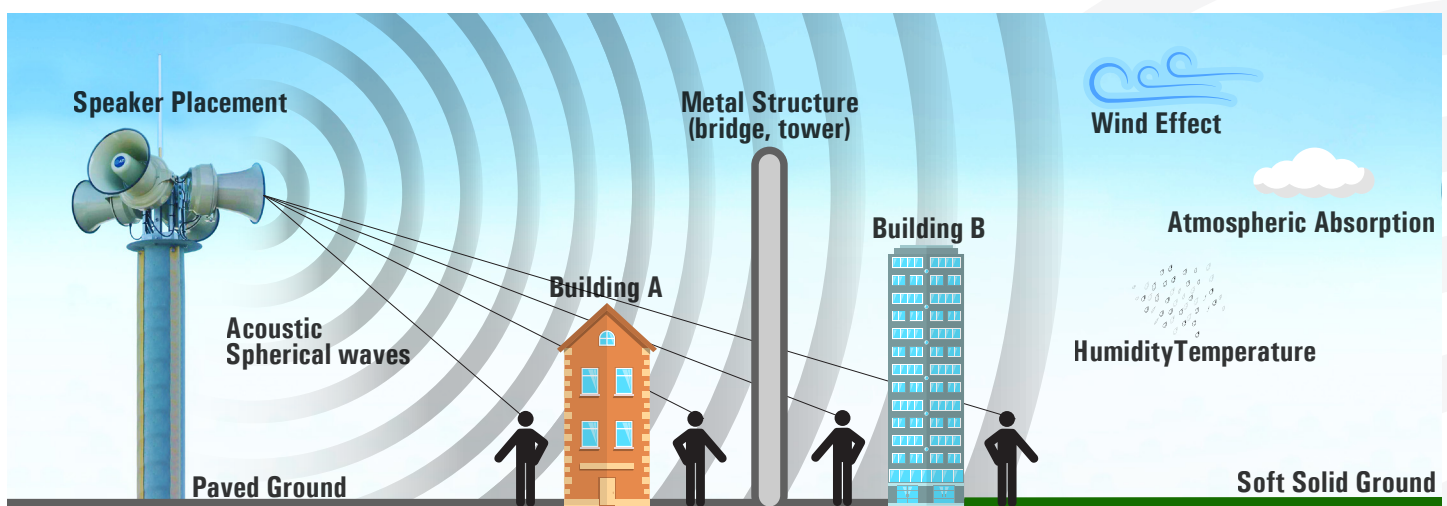
# ACOUSTIC DESIGN AND MODELING

Acoustic Technology, Inc. (ATI) has been designing siren systems for 40 years, utilizing state-of-the-art methodology to predict sound from a siren system. ATI can conduct a comprehensive acoustic analysis to evaluate the voice and tone coverage of a facility or community, develop the recommended siren layout, and provide the resulting acoustic coverage mapping.

The acoustic model utilizes the specific characteristics of the loudspeakers, including power and directivity, together with typical voice frequency characteristics. GIS mapping of various layers is used to determine elevation heights of sound obstructions such as hills, mountains, high buildings, etc.

For communities, sound obstructions can be mainly obtained from GIS data. For special facilities such as a military base or a campus, ATI utilizes various techniques to obtain structural heights. A three-dimensional model of the actual facility and speaker locations are used to predict and diagnose sound propagation, accounting for topographical features, buildings structures, ground and terrain effects, atmospheric effects, and geometrical spreading, and includes diffracted, direct and reflected sound paths.

By examining the individual contributions and reflections from each speaker location, multiple arrival effects and shadow regions can be identified to assist with speaker orientation and placement in order to achieve optimal intelligibility and coverage.



**ATI Systems**  
ACOUSTIC TECHNOLOGY, INC.

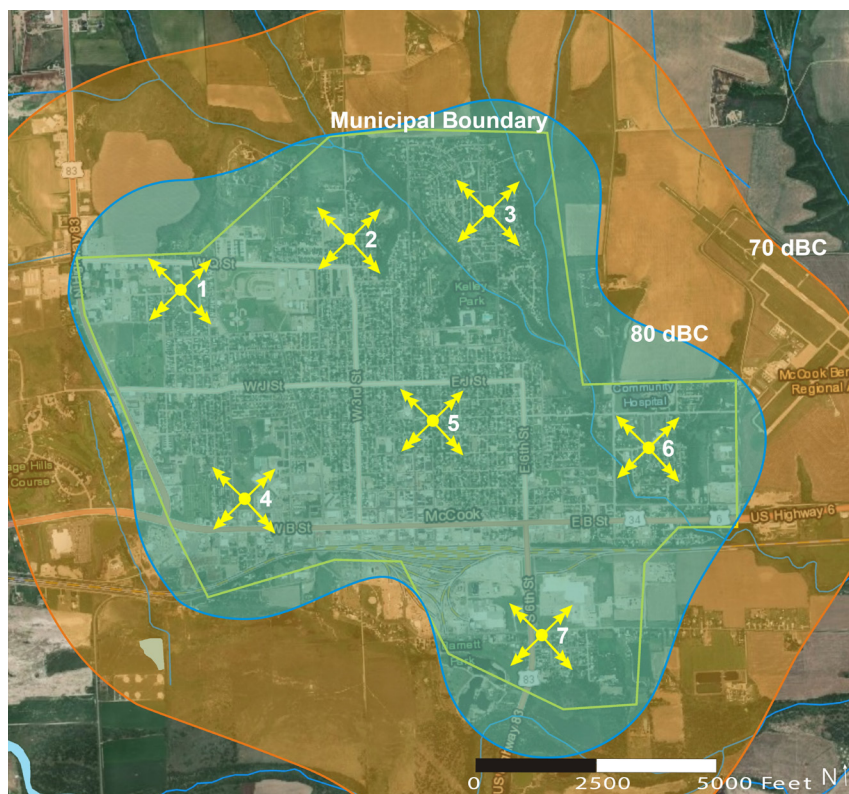
# ACOUSTIC DESIGN AND MODELING

ATI is the only vendor with an expert design staff in both acoustics and GIS analysis. Our proprietary acoustic model takes into account the following factors:

- Topography
- Building Attenuation
- Reflection and Diffraction
- Ground Attenuation
- Atmospheric Absorption
- Spherical Spreading
- Weather Conditions
- Sound “Shadows”

Key factors in determining the best solution for intelligibility analysis and user specific requirements :

- Intelligible voice vs. tone coverage
- Effects on intelligible voice
- Ambient noise levels
- Audible device characteristics
- Sound reflection (echoes)
- Effect of reverberation
- Voice characteristics
- Listener characteristics
- Speaker-to-listener distance
- Multiple arrival times



# MREACT5000

## Mobile Central Control Unit

ATI's next-generation MREACT5000 Mobile Central Control Unit (MCCU) provides portable control and monitoring of ATI remote units such as a High Powered Speaker Stations (HPSS) or Indoor Speaker Units (ISU). It is particularly useful for mobile units, such as ATI's Mobile High-Powered Speaker Stations (MHPSS).

An intuitive touch screen interface allows for the activation of tone alerts, recorded voice messages, or live PA, and displays the status of remote units. It may be used in conjunction with ATI's MassAlert® software for complete control of complex multi-location MNS applications, or as a standalone controller. The MREACT5000 supports simultaneous IP and radio communication paths to provide the most robust notification system available in a mobile unit. The REACT5000M's sturdy polypropylene case can tolerate the harshest operating environments.



## Key Features

- 7" LCD touch screen with powerful GUI allows users to control and monitor the system
- Built-in speaker and noise-canceling handheld microphone
- Improved security and authentication
- Power: 120/240VAC 50/60Hz with 12VDC battery backup
- Redundant communication paths available for larger MNS systems: IP (Ethernet) and UHF/VHF radio\*
- Enhanced IP support provides improved connectivity and security

PHYSICAL ATTRIBUTES	
Length:	20.7"
Width:	17.0"
Depth:	8.4"
Weight:	28 lbs
ENVIRONMENTAL CHARACTERISTICS	
Temperature:	-20°C to +55°C
Humidity:	0 to 95% non-condensing
ELECTRICAL CHARACTERISTICS	
Supply Voltage:	90 - 250 VAC
Supply Current typical:	.25 A (depends on radio/modems)
Supply Current max:	2A@110V/1A@220V
Standby Time (without AC):	8 hours §
COMMUNICATION I/O	
Communication (to ATI units):	UHF/ VHF RF, IP, Ethernet-over-Fiber, Telephone/ Twisted - DSL, Cellular, and Satellite
Communication to PC:	USB
Signaling Relays:	2 standard expandable to 10
Signaling Outputs:	2 standard expandable to 12
Audio Out (for PA or FACP):	8 optional
Audio Characteristics	
Microphone Input:	1 XLR4 configurable
Audio Amplifier:	7W
Built-In Speaker	1W
Line Level Audio Input/output:	Configurable 300/600 ohm

\* Additional hardware/firmware may be required.

§ Assuming one 7AH battery with radio communication



# REACT 5000

## Complete MNS Control and Monitoring

ATI's next-generation REACT5000 Central Control Unit (CCU) provides enhanced control and monitoring of ATI remote units such as the Indoor Speaker Unit (ISU) and the High Power Speaker Station (HPSS). It serves as a key component in the creation of a powerful and flexible Mass Notification System (MNS). An intuitive touch screen interface allows for the activation of tone alerts, pre-recorded voice messages, or live PA, and displays the status of remote units.



The emergency response system may be used in conjunction with ATI's MassAlert® software for complete control of complex multilocation Mass Notification System applications, but may also be used as a standalone controller for smaller systems. The REACT5000 supports multiple simultaneous communication paths to provide the most robust notification system available. It supports a wide variety of I/O protocols for simple interfacing to 3rd party systems and optional accessories. IPv4/IPv6 support with improved security features to provide the most secured communication link between the REACT5000 and other ATI units. Multiple form factors are available for maximum flexibility in mechanical mounting and battery back-up power allows complete control of your system in the event of electrical outages.

## KEY FEATURES

- Easy to be configured through its hosted WEB interface with support for secured http (https)
- 7" VGA touch screen with powerful GUI allows user to control and monitor system
- Multiple form factors available: all in one CCU or smaller desktop CCU with remote mounting of radio
- Built-in speaker and desktop microphone
- Simple interfacing to other systems via USB (host/device), RS232, RS485, and CANbus
- Additional ports for flexible low-level interfacing: line-level audio input/output, relay connections, optoisolated inputs, and monitored push-button inputs
- Upgraded security and authentication
- IP (Ethernet), radio (UHF/VHF), fiber, twisted pair/phone-line, satellite, and cellular options
- available for convenient, redundant communication paths to remote units\*
- Backup power options: 7AH UPS or battery
- Supports up to 45 Watt UHF/VHF mobile radios from various manufacturers including trunked radios\*

\* Additional hardware/firmware may be required.

PHYSICAL ATTRIBUTES		
Length:	16.97"	
Width:	16.88"	
Depth:	5.04"	
Weight (without radio/batteries):	20.5 lbs without radio	
ENVIRONMENTAL CHARACTERISTICS		
Temperature:	-20°C to +55°C	
Humidity:	0 to 95% non-condensing	
ELECTRICAL CHARACTERISTICS		
Supply Voltage:	110 - 240 VAC	240VAC 50Hz
Supply Current typical:	0.5A	2A
Supply Current max:	1A,2A	<550mA typical §
COMMUNICATION I/O		
Communication (to ATI units):	UHF/ VHF RF, IP, Ethernet-over-Fiber, Telephone/ Twisted - DSL, Cellular, and Satellite	
Communication to PC:	USB	
Signaling Relays:	2 standard expandable to 10	
Signaling Outputs:	2 standard expandable to 12	
Audio Out (for PA or FACP):	8 optional	
Audio Characteristics		
Microphone Input:	1 XLR4 configurable	
Audio Amplifier:	7W	
Built-In Speaker	1W	
Line Level Audio Input/output:	Configurable 300/600 ohm	

\* Additional hardware/firmware may be required.

§ Assuming 2 - 33AH batteries with radio communication

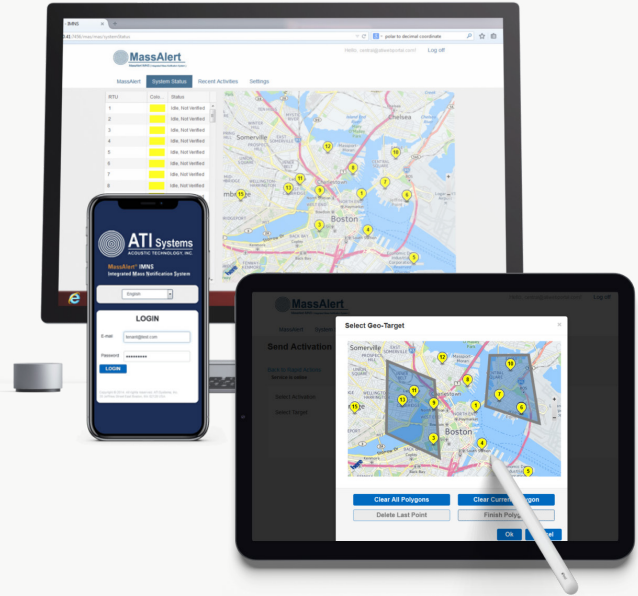
# Web Portal

Anytime-Anywhere Access Solution

The ATI Web Portal is an anytime-anywhere access solution for ATI's Mass Notification System (MNS). It provides the reliability, availability, and security required for the MNS.

ATI's Web Portal allows users to access, activate and monitor the system from their smartphone, tablet or computer.\*

The Web Portal can be installed on a local server or hosted in the cloud. Through a secure network, multiple sites/ facilities can be integrated together, regardless of where they are located globally.



## KEY FEATURES

- **Secure Remote Web Access:** Authorized operators can access the ATI MassAlert® software safely and securely to remotely activate or configure the system
- **Availability:** MassAlert® can be accessed 24/7 from any web browser using any network connected device (Smartphone, tablet, desktop, etc.)
- **Geo-Targeted Alerting:** Geographical map-based selection allowing for dynamically targeted alerting
- **Real-Time Two-Way Communication:** Detailed system and equipment status views and activation reports are provided
- **User Friendly Interface Allows for:**
  - Easy and instant activation of the system. Activate the entire area, a group of units, or individual units as defined by the user, either in pre-defined groups or via on-the-fly selection
  - Instant system monitoring with color-coded icons are provided on a map view to reflect the status of siren unit in their actual location
- **Branding:** The Web Portal can be custom branded using your organization's name, logo, colors & fonts
- **Internationalization & Localization:** The Web Portal allows localization of language and format
- **Responsive Web Design:** Layout dynamically changes based on the screen size and orientation
- **Flexible Deployment Options:**
  - On-premise: ATI Web Portal installed locally at the client site
  - Software-as-a-Service (SaaS): ATI Web Portal installed at a remote hosting facility, speeding the deployment and eliminating the need for on-site hardware. This option ensures redundancy and high availability as well as enabling scalability

# ATI Community Solutions

Giant Voice Systems for Unique deployment

## *Customized Warning Systems*

### *For Communities and Homeland Security*

ATI offers one of the most reliable and cost-effective designs in the industry and delivers a flexible siren system that provides voice and tone notifications. We have a dynamic team of skilled acoustic designers, engineers, and technicians to set up systems especially geared towards relevant community requirements. Our Early Warning Systems are utilized by communities and Homeland Security to ensure public safety.

Recognized in the marketplace for our expertise in acoustic design, GIS, and industry leadership, ATI's HPSS siren to delivers a unique solution combining high power output, long-range coverage, and advanced high powered speaker technology for superior voice broadcasts with the industry's best speech intelligibility.



## *Why Choose ATI*

ATI Acoustic experts utilize acoustic modeling to determine your acoustic coverage for indoor and outdoor solutions. We tailor our standard solutions to meet the specific needs of any environment. Unlike our competitors our team ensure that each system is optimized to the special spatial acoustic needs of any given location

*Design process starts with*

- Acoustic mapping contours based on surrounding buildings, homes, foliage etc
- Ambient noise of areas that require immediate alerting
- Areas that have a frequent transient population

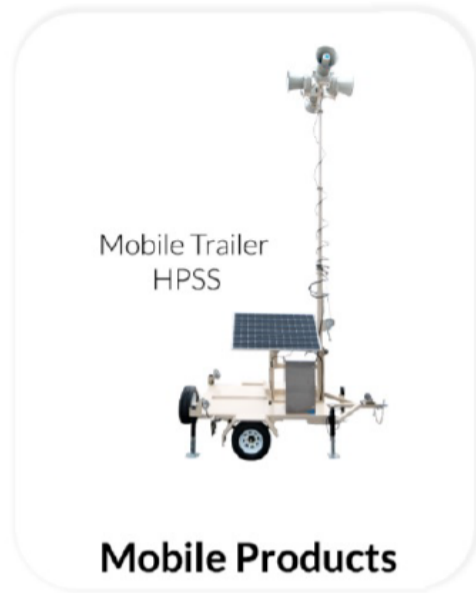
*ATI produces a specific acoustic map of your campus to determine:*

- Proposed speaker placement to ensure clear voice intelligibility.
- Decibel levels of pre-recorded alerts, live PA and Siren/Tones
- Speaker direction and angling
- Placement of strobes, beacons, and digital signs in high ambient noise areas



# ATI Products

Below is a visual representation of ATI's Outdoor Products



Local Operating Console (LOC)



**OUTDOOR HPSS**



1600W Pole Mounted/Structure Mounted HPSS



**CENTRAL CONTROL STATION**

Interfaces to:  
Existing PA/ FACP systems



Communication Methods:

- Radio
- IP
- Satellite
- Celullar

Digital message boards



MOBILE CCU



DESKTOP CCU



WEB PORTAL



CAP INTERFACES TO IPAWS AND NWS



## High Powered Speaker Station (HPSS)

- ATI's most powerful product for public notification
- Configurable with 4 or 8 speakers providing 1600W or 3200W of Unparalleled intelligibility for full facility coverage
- Can support multiple simultaneous communication paths from ATI control units (IP, Radio, Cellular)
- AC and/or solar power and wind turbine with battery backup for reliability during emergencies
- Easily integrated with existing buildings, Poles, and even mobile trailers for Maximum flexibility
- Integration of ATI's Next Generation Units for New Systems

## Central Control Unit (CCU)

- The REACT5000 has a powerful GUI with 7" touch screen interface that allows industrial users to control & monitor system
- Built-in speaker and desktop microphone
- Simple interfacing to other systems via USB (host/device), RS232, RS485, and CANbus
- CCU allows for a convenient, secure and redundant communication path to remote terminal units
- Desktop, rack mount, or portable mobile versions available



## Local Operating Control (LOC)

- Easy to read 4 lines by 20 character LCD display with membrane switch panel
- Powered directly by RTU via RS485 Interface
- Capable of unit activations with optional one touch hot buttons
- Handheld microphone for live PA
- Offers total, group, and single activation between all remote terminal units





Common Council Alderperson  
City of Antigo  
700 Edison St.  
Antigo, WI 54409

**Date:** October 2, 2025  
**To:** Weather Warning System AD HOC Committee  
**From:** Glenn Bugni, Alderperson  
**Subject:** Review Results of Weather Warning Siren System City Resident Survey

5 percent returned with 95 percent in favor of installing sirens.

- a. Not a statistically valid survey, but indicates trend
- b. 441 city respondents—420 in favor—21 not in favor
- c. Shall we include other alternatives for a higher rate of return for the Weather Warning Survey?
  - i. Include Survey with Water Bill
  - ii. Location of Print Surveys—Antigo Public Library, Antigo City Hall, and the Senior Center

**Fiscal Impact:**

**Recommendation:**

**Attachments:**

None



Common Council Alderperson  
City of Antigo  
700 Edison St.  
Antigo, WI 54409

**Date:** October 2, 2025  
**To:** Weather Warning System AD HOC Committee  
**From:** Glenn Bugni, Alderperson  
**Subject:** Financing Weather Warning Project

- a. Review and approval of Fund-Raising Letter to Antigo Businesses
- b. Volunteers to identify businesses (based upon The Real Yellow Pages), fold business letters and contribution sheets, address envelopes, and place fund requests in envelopes
- c. Request to the City Council to fill the Grant Writer position

**Fiscal Impact:**

**Recommendation:**

**Attachments:**

None