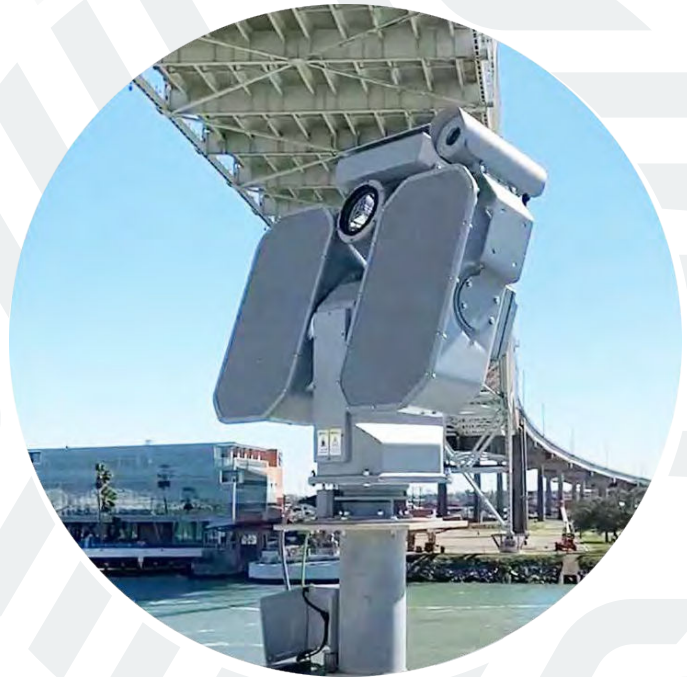




Critical Infrastructure Protection

Critical infrastructure operators throughout the world trust LRAD to safeguard assets and protect people. Dams and hydroelectric facilities, ports, nuclear energy and power plants, data centers, and other critical operations protect employees, facilities, and neighboring communities with LRAD.

Unlike traditional surveillance systems, LRAD provides a vital first response capability missing from observe-only integrated security installations. LRAD turns passive surveillance systems into first responders by broadcasting audible alert tones and attention-commanding voice notifications, warnings, and commands to deter intruders and ensure unauthorized personnel remain at safe distances from critical assets. LRAD systems deliver alert tones and live or recorded voice messages with exceptional clarity for any surveillance and security scenario.



How LRAD Works

LRAD systems focus sound in a 30° beam to broadcast live or recorded voice messages and attention-commanding ALERT tones with exceptional clarity from close range out to 3,000 meters

- Audible, focused, clear sound
- Long-range broadcasts
- Industry-leading vocal clarity



Conventional loudspeakers disperse sound in all directions

LRAD's proprietary audio technology focuses sound in front and significantly reduces audio levels behind the device and in surrounding areas

Bullhorns and PA systems have limited broadcast range and poor voice intelligibility

Advanced Technology and Superior Voice Intelligibility

Genasys' proprietary driver and waveguide technology eliminates the shortcomings of other voice broadcast systems by maintaining a smooth frequency response with an intensity variation of less than 5 dB, which prevents audio fading and produces clear, unambiguous communication across all broadcast frequencies.

LRAD is unique in its ability to broadcast either live or recorded voice messages in any language with exceptional intelligibility and vocal clarity.

From the low-profile LRAD 450XL to the remotely operated LRAD 950NXT integrated with radar, HD cameras, high powered spotlights, and sensors, LRAD systems are rugged, reliable and built to withstand the harshest weather conditions and outdoor environments.



Dams & Hydroelectric Facilities

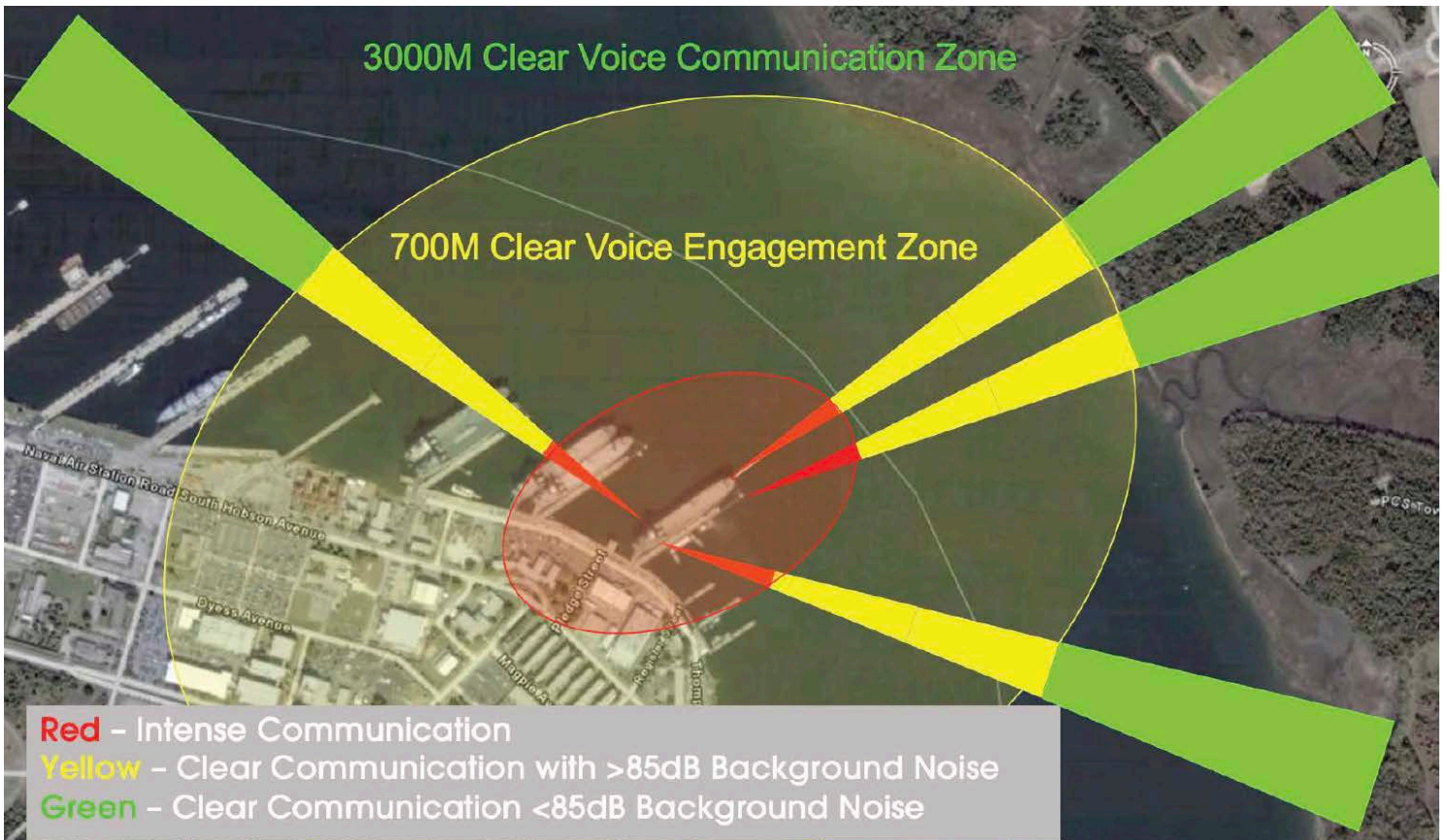
Many dams have installed access control measures to deter threat exposure from pedestrian or vehicle traffic. Waterside control measures are also essential for boater safety and dam security. Dam patrol boats equipped with the limited broadcast range and poor voice intelligibility inherent in bullhorns and commercial marine P.A. systems, are resource intensive to operate and don't provide 24/7 coverage to keep boaters, fishermen, and trespassers away from waterside and hydroelectric facility restricted areas.

Utilizing technology developed and patented by Genasys, LRAD's ability to communicate to boaters, swimmers, fishermen and other water enthusiasts from a distance provides dam and hydroelectric operators additional time and information to accurately assess situations and appropriately scale safety and security responses.



Ports

Vastly superior to boat or shore mounted marine loudspeakers, LRAD's long-range communication capabilities significantly enhance port security operational effectiveness. When an inbound vessel does not respond to radio calls, port security personnel broadcast warning tones followed by hails, notifications and commands that are clearly heard and understood over wind, engine and background noise. If the vessel continues to approach, LRAD systems provide security teams more time and distance to initiate and scale security protocols, determine intent, prevent unauthorized port entries, and protect port personnel and infrastructure.



Nuclear Energy & Power Plants

With security budgets and resources continually under scrutiny, cost effective, remotely operated perimeter security and first response solutions are increasingly in demand. LRAD integrated perimeter security systems provide vital communication and first response capabilities to deter security threats up to 3,000 meters away.

LRAD 950NXT systems turn passive surveillance networks into remote first responders by emitting attention-commanding warning tones and highly intelligible voice alerts, instructions and commands to communicate at distance to potential threats, determine their intent and eliminate the element of surprise.

Remotely operated LRAD 950NXTs reduce false alarms and in-person security responses, and establish large standoff areas around nuclear energy and power plant perimeters. Because of its automated 24/7 surveillance capabilities, the LRAD 950NXT provides a highly effective, cost efficient security solution.



Data Centers

Extending data center perimeter security beyond fence lines and gates includes the integration of long-range communication and first response systems. Observe-only surveillance networks can't provide the additional time and distance required to determine the intent of a potential threat or initiate a remote first response commensurate to a threat's actions.

LRAD system data center security integrations provide essential communication and first response capabilities to protect employees and infrastructure from physical breaches. Operated manually, or remotely from the safety of data center command and control centers, LRAD systems reduce false alarms, quickly defuse inadvertent perimeter incursions, initiate and scale security responses, and safeguard responding data center security personnel.

The LRAD Advantage

- Clearly communicate alerts, warnings and commands to establish security perimeter and standoff distances
- Initiate an effective, appropriate and scalable response to potential threats
- Avoid confrontations and prevent unintentional perimeter trespassing
- Unambiguously establish threat intent by broadcasting audible, attention-commanding warning tones and clear voice communication in any language
- Ensure warnings, commands and instructions are clearly heard and understood, even inside approaching vehicles
- LRAD's 30° broadcast technology directs warning tones and voice commands only to intended targets
- Choose from a range of scalable, portable systems easily mounted to existing buildings or infrastructure, or the permanently mounted LRAD 950NXT
- All LRAD systems are enclosed in rugged, all-weather housings to operate reliably and effectively in the harshest environments



LRAD 950NXT

Remotely Operated First Response System

Utilizing technology developed and patented by Genasys, the LRAD 950NXT's ability to identify and interact with targets from a distance provides critical infrastructure security personnel the additional time and information necessary to accurately assess situations and appropriately scale responses.

Featuring an integrated HD camera, high-intensity searchlight (optional), and robust, IP addressable full pan & tilt drive, when integrated with radar or motion sensors the LRAD 950NXT delivers automated intruder alerts and becomes a fully functional, unmanned perimeter security and first response system.

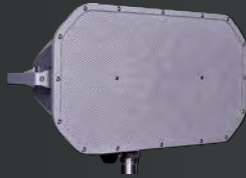
Because of its automated 24/7 surveillance capabilities, the LRAD 950NXT reduces false alarms and in-person security incidents, quickly resolves inadvertent trespassing, and provides a highly effective, cost efficient critical infrastructure security solution.



Mobile & Mounted LRAD Systems



LRAD 100X



LRAD 450XL



LRAD 500X-RE



LRAD 1000Xi

Includes a weatherized microphone and rugged MP3 player / controller designed for ease of use and operation.

Genasys

Global Provider of Protective Communications Solutions

Protecting people and saving lives for over 40 years, Genasys Protect covers more than 100 Million people in over 100 countries worldwide, including more than 500 U.S. cities, counties and states.

LRAD products are available for purchase through multiple channels including DLA TLS SOE, GSA Advantage, Federal and State grants, FEMA Authorized Equipment List (AEL), and others.

For more information: sales@genasys.com

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