Genasys™
The Critical Communications Company

CASE STUDY | Industrial Mass Notification and Public Address

Power Plant – Texas

SITUATION

This Texas power plant produces enough power for approximately 800,000 homes. The safety conscious plant operators needed an emergency warning and mass notification system capable of broadcasting sirens and voice messages that can be clearly heard and understood above the plant's background noise by its 180+ employees and contractors.

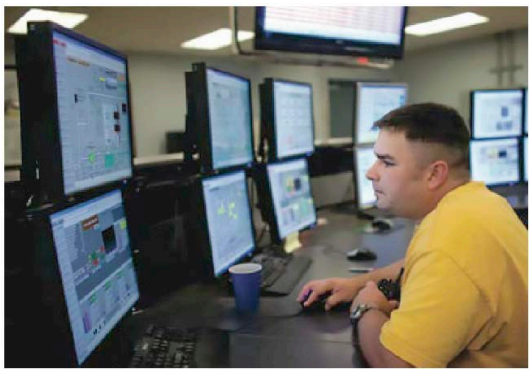
EXISTING SOLUTIONS

Loud ambient background noise makes it difficult for plant workers to hear and understand voice broadcasts. Traditional siren systems are not capable of broadcasting intelligible voice messages. Bullhorns, megaphones and public address systems have limited broadcast range and poor vocal clarity.

THE LRAD® SOLUTION

Advanced LRAD Mass Notification systems broadcast warning tones and voice messages that cut though mechanical and ambient background noise. LRAD broadcasts are clearly heard and understood, before, during, and in the aftermath of emergency situations. LRAD mass notification arrays provide hours of continuous broadcasts without overheating or voice quality degradation.

LRAD implemented a three-phase installation at the power plant, which included outdoor LRAD mass notification voice broadcast arrays connected via Wi-Fi with repeaters. Activated remotely with LRAD Command and Control software, the system plays prerecorded messages and tones to alert and warn workers in case of an emergency. General announcements are also broadcast throughout the plant using the LRAD arrays.



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ADVANCED TECHNOLOGY

LRAD's proprietary driver and waveguide technology focuses sound from 30°- 360° to provide customized mass notification area coverage. Optimized to the primary range of human hearing, LRAD broadcasts are clearly heard and understood inside vehicles and buildings, and above background noise. LRAD systems maintain a smooth frequency response with an intensity variation of less than 5dB to prevent audio fading and produce clear, unambiguous communication in any language and across all broadcast frequencies.

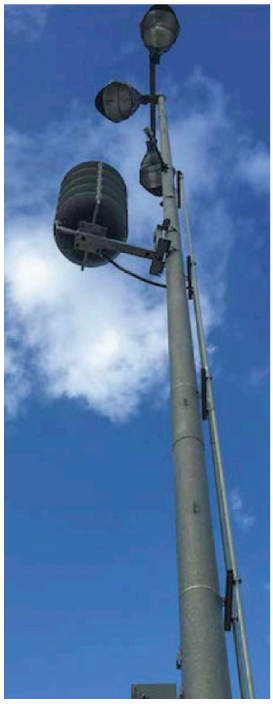
SUPERIOR VOICE INTELLIGIBILITY

Based on Federal Emergency Management Agency (FEMA) and U.S. Military United Facilities Criteria (UFC) guidelines, the minimum standard for high-powered speaker array mass notification systems is a 0.5 Speech Transmission Index (STI) measurement.

LRAD systems feature the highest STI in the mass notification industry at 0.95, substantially exceeding all FEMA and UFC voice intelligibility requirements.

LRAD systems are self-contained or easily integrated with existing communication infrastructure. From portable devices to larger systems temporarily or permanently mounted on poles, buildings, trailers, vehicles or helicopters, LRAD systems are highly effective in communicating general announcements and lifesaving notifications during emergency situations, industrial accidents, and work place incidents.

LRAD 360-XT
with Optional Solar Panel and Remote Charging Capability



LRAD 360X
Texas Power Plant

Public safety and law enforcement agencies in 72 countries and in more than 450 U.S. cities use LRAD systems and support equipment

About Genasys Inc.

Genasys systems are in service in 72 countries in diverse applications, including defense, maritime, border and homeland security, law enforcement, critical infrastructure protection, emergency warning, public safety mass notification and many more.

FEMA GSA Advantage! RKB.US

Genasys products are available for purchase through multiple channels including: GSA Advantage, Federal and State grants, FEMA RKB Standardized Equipment List (SEL), and other. More information: sales@genasys.com.

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