

CASE STUDY

POWER PLANT TEXAS

Situation

The 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 sounding sirens and broadcasting audible voice messages that can be clearly heard and understood above the plant's background noise by its 180+ employees and contractors.



Problem

Loud ambient background noise makes it difficult for plant workers to hear and understand voice broadcasts.

Traditional siren systems are not capable of broadcasting highly intelligible voice messages.

Bullhorns, megaphones and public address systems have limited broadcast range and poor voice clarity.

Solution

Genasys Protect ACOUSTICS systems broadcast alert tones and voice messages that cut through mechanical and ambient background noise. Genasys ACOUSTICS broadcasts are clearly heard and understood during crisis situations. Genasys ACOUSTICS provide hours of continuous broadcasts without overheating or voice quality degradation.

Genasys implemented a three-phase installation at the power plant, which included outdoor ACOUSTICS systems connected via Wi-Fi with repeaters. Activated remotely with **Genasys Protect ALERT** 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 ACOUSTICS systems.

Genasys Protect

The **Genasys Protect Platform** provides a multi-pronged solution:

- **Genasys Protect ALERT** provides intelligent, location-based, multi-channel mass notification with real-time and modeled data, integrated zoning, automated sensor integration, and even optional integration with outdoor acoustic devices.
- **Genasys Protect EVAC** accelerates emergency response and management by facilitating decision making, cross-agency collaboration, and rapid responses through intelligent, zone-based mapping.
- **Genasys Protect ACOUSTICS** provide highly audible and clear voice messaging when emergencies arise, broadcasting long-range emergency response messaging outdoors, even when connections are down and the power is out.
- **Genasys Protect mobile app** provides a single authoritative source for the public during emergencies through seamless notifications, zone-based maps, and real-time resource information.



Genasys is the only Protective Communications platform that unifies software and hardware to provide geo-targeted alerts to mobile phones and audible warnings and notifications through indoor and outdoor speakers with industry-leading vocal clarity and broadcast area coverage.

Self-contained or easily integrated with existing infrastructure, and featuring solar power, battery backup and satellite connectivity, Genasys ACOUSTICS systems are highly effective in delivering critical communications and life-saving notifications during industrial accidents, HAZMAT incidents, intruder threats, and other crisis situations.

Genasys: Global Provider of Protective Communications Solutions

Protecting people and property for over 40 years and covering over 100 Million people in more than 100 countries worldwide, including more than 500 cities, counties and states in the U.S., as well as more than half of all California counties.

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