

CASE STUDY

HYDROELECTRIC DAM California

Situation

In 2017, many areas in California experienced record-breaking storms that created flood watch conditions into the summer months. Many dams and reservoirs were opened to relieve pressure from the built-up floodwaters. The owner of a hydroelectric dam and the area's emergency managers required a mass notification system capable of broadcasting both warning sirens and voice alerts to people living downstream when floodwaters were released or if the dam failed.



Problem

Most emergency warning installations sound sirens, but are incapable of broadcasting highly intelligible voice notifications containing potentially lifesaving information and instructions, including evacuation routes, safe shelters, specific location and scope of the disaster, and more.

When every second counts, the limited broadcast range and poor voice quality of bullhorns and vehicle-mounted PA systems may put lives in danger.

Solution

Genasys implemented a phased solution by leasing a mobile **Genasys Protect ACOUSTICS** communications system to the dam's owner, providing an interim fully self-contained emergency notification system capable of broadcasting voice messages with exceptional clarity over a large area.

A Genasys Protect ACOUSTICS system was then configured and permanently installed. The ACOUSTICS system is equipped with Genasys' Command and Control software and linked via satellite for remote system activation and operation.

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 lifesaving notifications during atmospheric river events, flooding, wildfires, earthquakes, and other disasters.

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, and more than half of all California counties.

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