

Genasys for Dam Safety

Keep People Safe from Breaches and Dangerous Flooding

Far more than reservoirs to maintain drinking water, dams serve as critical power generation, flood mitigation in vulnerable hydrologic locations, and sources of recreation. For those who live downstream, the danger that comes with a breach is **very real and potentially catastrophic**. The wall of water that rushes downstream would destroy everything in its path – both life, landscape, and property. Breaches can happen from an onslaught of torrential rain common in hurricanes and atmospheric rivers, from earthquakes, or even from age-related failure points.

Genasys hardware and software combine to mitigate damage caused by catastrophic dam failure, keep people safe, and provide 24/7 protection. Integrated sensors send automated alerts via multiple channels, including the mobile app and long range speakers to broadcast clear, intelligible messages to people in harm's way. Zone-based planning reduces the time to coordinate evacuations, notify people, and get them to safety.

The Genasys dam safety solution has been implemented in Puerto Rico, including the Guajataca dam, several dams in California, and the famous Hoover Dam along the Colorado River.

Genasys enables you to:

- » Generate precise evacuation zones for faster decision-making and easier communication in a crisis
- » Communicate with unregistered public to “meet them where they are”
- » Genasys mobile app and website (anonymous)
 - Zone-based notification to target communications to the right audience
 - Social media integration
 - Outdoor, always-connected speakers
- » Simulate and model to help make more accurate decisions in real time
- » Use a common operating picture with multiple agencies to help make faster decisions with timely, incident-specific information
- » Monitor dam safety with integrated sensors to automatically trigger alarms and warnings



Genasys for Dam Safety

The complete Protective Communications platform

Reduce the time from incident recognition to community notification with integrated sensors, zone-based planning, and multi-channel communication through apps, messages, media and always-connected acoustic speakers. Use the power of Genasys to keep people safe, downstream of dams and have confidence knowing you'll be ready when it matters.

ALERT

Distribute targeted alerting, and multi-channel communication to reach people quickly and reliably. Alert across SMS, voice calls, media, IPAWS, outdoor acoustic devices and more.

EVAC

Accelerate emergency and evacuation management through faster decision making, cross-agency collaboration, and zone-based targeted communications

ACOUSTICS & LRAD

Broadcast through acoustic devices to distribute long range voice communication of specific, actionable information even when power and/or networks are down.

CONNECT

Facilitate safe, secure and compliant inter- and intra-agency collaboration. Create day-to-day efficiencies and quickly communicate across teams in a potential dam breach crisis.

Targeted communications

Precise-zone based communications help to reach the public, even if they have not opted-in. Ensure the safety of residents, visitors and the unhoused.

Integrated Sensors

Gain 24/7 protection with intelligent, automated sensor integration to Genasys solutions. Notify people at the first sign of potential dam failure, before it's too late.

Actionable Information

Provide the public with updated information via a mobile app and website to effectively manage both potential evacuation and repopulation efforts.

Common Operating Picture

Align with real-time data and critical information across agencies, federal departments and even military support in a crisis for a collaborative response.



"The EWS is vital to the community's safety. Through these alarm systems, people will be notified in case of emergencies such as extreme floods, controlled flood releases, or seismic activity, so they can take timely action to reduce disaster risks. Besides helping save lives and property, this will strengthen disaster preparedness and risk reduction in the communities located downstream of each dam." – **José G. Baquero**,
FEMA Federal Disaster Recovery Coordinator

Genasys: Global Provider of Protective Communications Solutions

Protecting people and property for over 40 years and covering over 70 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.

REQUEST A DEMO

