

CASE STUDY

Davis Dam, AZ/NV Critical Infrastructure Security

Situation

Davis Dam spans the Nevada/Arizona border on the Colorado River 67 miles downstream from Hoover Dam and 88 miles upstream from Parker Dam. The dam impounds Lake Mohave and features a hydroelectric facility on the Arizona side of the Colorado River, rising 200 feet above the lowest point of the foundation and about 140 feet above the level of the river, Davis Dam is a zoned earth-fill structure with concrete spillway, intake structure, and hydroelectric power plant.



Problem

Dam patrol boats are equipped with bullhorns and commercial marine P.A. systems that inherently have limited broadcast range and poor voice intelligibility.

The boats are also resource intensive to operate and don't provide 24/7 coverage to keep boaters, fishermen, and trespassers away from the dam.

Solution

Davis Dam installed an LRAD long range communication and security system equipped with an integrated camera, high-intensity searchlight and robust, IP addressable full pan-and-tilt drive for precise aiming and tracking.

The LRAD system is remotely monitored and activated from a central command and security center to provide 24/7 surveillance and a highly effective first response capability. Broadcasting powerful warning tones and verbal commands out to 3,000 meters, the LRAD's remote 'first response' capability keeps boaters, fishermen and trespassers away from the dam and its restricted water areas.



Genasys Protect

LRAD 950NXT

Integrated Surveillance, Security & Response

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

Live or recorded voice broadcasts from the LRAD 950NXT are clearly heard and understood over crowd, engine, and other background noise out to 3,000 meters.

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

The LRAD 950NXT is operated using Genasys Protect controller software. The software's comprehensive functionality and easy-to-use controls enable personnel to identify targets on the live video feed, quickly position the 950NXT's pan-and-tilt system, and broadcast powerful warning messages and tones from the safety of a command and control center.



Because of its automated capabilities, the LRAD 950NXT reduces manpower and false alarms, resolves uncertain situations, and provides a highly effective, cost efficient security solution.

LRAD is unique in its ability to deliver live or recorded voice messages in any language, with exceptional vocal clarity, in any type of environment.

Genasys

Global Provider of Protective Communications Solutions

Protecting people and saving lives for over 40 years, Genasys Protect covers more than 155 Million people in over 100 countries worldwide.

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