



## ANDO, JAPAN LRAD® ONE VOICE INSTALLATION

### SITUATION

Located southeast of Osaka in earthquake prone Japan, the town of Ando has approximately 8,000 residents and sits on the northern bank of the Yamato River. Town authorities use an email service to deliver disaster warnings and town notifications, but not all residents have cell phones, computers or update their email addresses. Ando town authorities require a better system capable of transmitting highly intelligible voice communications and musical chimes throughout the town from a single installation so all residents receive emergency messages and general announcements.

### EXISTING SOLUTIONS

In addition to the email service, Ando town authorities used multiple public address (P.A.) vehicles to drive through town broadcasting information on elections, town events and other notifications.

### THE LRAD® SOLUTION

With the assistance of Marubeni and Towa Engineering, the town installed an LRAD ONE VOICE 8-emitter system on the town hall roof to supplement and reinforce its email service.

*"It has innovative features permitting broadcasts to be heard throughout the entire town. We realized this offered maximum value because our town is approximately 4.33 square kilometers. We also saw that the system would give us considerable savings in investment costs and maintenance expenses."*

*"On a number of occasions we sent staff to different places in the town to see if the system audio volume was high enough to reach every part of the town. They reported they could hear and understand the broadcasts even at places 2 kilometers away from the town hall. Even residents living close to the town hall have no complaints about audio volume. The result is favorable in two ways — not too loud near the source, yet audible far from it." – Yasuhiro Nishimoto, Mayor of Ando*



LRAD ONE VOICE broadcasts are safe and have been optimized to the primary human hearing range of 1 - 5 kHz. By maintaining a smooth frequency response with an intensity variation of less than 5dB, LRAD has eliminated the shortcomings of competitor systems by preventing audio fading and producing clear, unambiguous communication across all broadcast frequencies.

## EMERGENCY SITUATIONS, GENERAL ANNOUNCEMENTS & TIME CHIMES

*“Disaster-related information, town announcements and information on upcoming events are all promptly communicated by voice throughout the town, especially to residents not enrolled in our existing email message service — people, for example, who don’t have a cell phone or computer. The system is also automatically linked to the J-ALERT nationwide instant warning system.”*

*“We’re also transmitting melodic chimes lasting about one minute twice a day, to test the system and give time signals. Residents are more and more appreciative of the system.” – Mayor Nishimoto*



## LRAD – ONE VOICE FOR MASS NOTIFICATION & PUBLIC ADDRESS

LRAD ONE VOICE systems replace the limited voice quality and range of vehicle P.A. systems, bullhorns and obsolete, siren-based mass notification systems, and reinforce automated phone calls, email, text messages, and other notification measures to ensure emergency messages and general announcements are clearly delivered.

Visit the LRAD Corporation website to view a video of a LRAD ONE VOICE demonstration in Fukushima, Japan:  
<http://www.lradx.com/about/video-library>

## About LRAD Corporation

LRAD Corporation designs, manufactures and markets advanced mass notification and Long Range Acoustic Device<sup>®</sup> systems to save lives on both sides of its proprietary products. LRAD<sup>®</sup> systems are in service in more than 70 countries around the world in diverse applications including mass notification and public address, fixed and mobile defense deployments, maritime security, critical infrastructure and perimeter security, commercial security, border and port security, law enforcement and emergency responder communications, asset protection, and wildlife control and preservation. For more information about the Company and its LRAD systems, please visit [www.lradx.com](http://www.lradx.com).