



Case Study

Power Plant



Project Details

Location Power Plant - Bucks, AL

Challenge Replace an insufficient PA and Notification System and cover approx 600 acres with high output that could produce intelligible voice.

Solution

4 MA-1 Loudspeakers
133 TCPA-10

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Overview

The Power Plant is a coal and natural-gas generation facility that sits on approximately 600 acres. They were challenged with an inadequate and aging PAGA system consisting of over 200 speakers and were in need of a solution that offered intelligible voice communication and high quality tones.

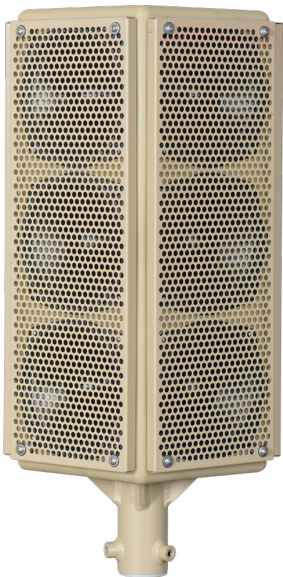
HyperSpike® delivered an on-site demonstration of the MA-1 1600W speaker to key decision makers. Impressed by the acoustic quality and small size of the speaker, the MA-1 and TCPA-10 directional speaker were selected to replace the outdated system.

The final project utilized the HyperSpike® solution to all units of the facility for mass notification, live paging and alarm and generated a savings of over \$150,000 in installation costs.



Solution Overview

MA-1 1600W Omni Directional Loudspeaker



Key Features

- UL 1480A Listed
- CSA C22.2 No. 205, CAN/CSA C22
- CAN/CSA C22.2 No. 213-15
- ANSI/ISA 12.12.01-2015
- Class I, Division 2, Groups A, B, C, and D Hazardous Locations Certified
- 143 dB SPL Peak Acoustic Output
- STI 0.91 out of 1.0
- Wide Frequency Range: 125 Hz - 8kHz
- 16-50 lbs
- 5-sided Omni-Directional Coverage with 3-, 2-, and 1-Sided Options
- 4 Square Mile Range

Description

Leading the industry in voice intelligibility, the MA-1 speaker design ensures commands are clearly transmitted and heard, even in high noise environments.

Housed in a waterproof UV-resistant enclosure, the battle-tested MA-1 has become the trusted mass notification system for the US military forward operating bases in Afghanistan and Iraq. Sized for rapid deployment, the MA-1 system can be easily installed in any location with minimal effort and without costly structural analysis

The MA-1 is the “clear” choice for alerting and facilitating a response before, during, and after an event!

TCPA-10 Directional Loudspeaker



Key Features

- UL 1480A Listed, ULC, CSFM
- Class I, Division 2, Groups A, B, C, and D Hazardous Locations Certified
- 139 dB SPL Max Acoustic Output
- Built-In Transformer (25/70/100V) or 4/8 Ohm Configurable
- 9 lbs
- 10.1”H x 10.1”W x 11.3”D
- Rated for Indoor or Outdoor Applications

Description

The HyperSpike® TCPA-10 best-in-class acoustic coverage allows for fewer units to be installed in large indoor and outdoor areas, lowering installation and long-term maintenance costs.

With variable tap settings ranging from 0.5 to 45 Watts, the TCPA-10 is highly efficient delivering an acoustic output of 134 dB at only 16W.

Best-in-industry voice quality and intelligibility, combined with sharp and high impact tone capability, make it the right choice for ensuring critical messages are heard and understood.



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