

Why Sensear is Unique



Speech Enhancement

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Noise Suppression

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The Seven Wonders of SENSEAR® Technology

1. Complete high noise communication solution:

- Face to Face - anyone in vicinity
- Short Range - up to 50 metres to another Sensear user
- Long Distance - Easy connection Two Way Radio or Bluetooth Cell Phone

2. Hear Speech (without clipping) in any noise:

- Intermittent - workshop, machinery, heavy vehicles
- Continuous - compressor, motors, pumps
- Impact - hammer, gunshot, explosion
- Adapts quickly to any changes in background noise type, level or frequency

3. Certified maximum output "to the ear" of 82dB in noise up to 110dB

4. Maintain situational awareness and determine nature, distance and directionality of all sounds including:

- Speech
- Machinery/Vehicles
- Alarms

5. Integrated FM Radio & easy connection to MP3 players and other audio devices (also limited to 82dB)

6. Enhances hearing for workers who have already suffered hearing loss, while still affording them protection

7. Other Advanced Features:

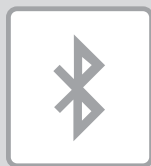
- Hands free communication with VOX activation
- Li-Ion battery offering up to 20 hours continuous usage before recharge
- No External Antenna required
- Voice navigated menus
- Available in ear muff or ear plug formats



Face to Face



Two Way Radio



Bluetooth cell



Short Range

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Sensear and the Power Industry - A Powerful Partnership



The World's Smartest Hearing Protection & Communications Systems

Sensear 
Hear Speech *Stay Protected*

Partnerships, Applications and Benefits

Operators of Borer/ Erector machines

Drilling pole holes requires the operator and assistant to communicate and adjust machine operation as the drilling occurs. This is imperative as the operator sometimes needs to place the machine in close proximity to live powerlines. These machines can operate in noise levels above 85dB while under full load causing the operator to have trouble hearing signals. Communication is also critical when the operator is positioning poles in the holes adjacent to live powerlines.

Underground cable tunnel cleaning

Clear communication is critical when staffers are required to utilise a diesel powered trailer-mounted high pressure washer to flush accumulated iron oxide residue from steel pipes while maintaining regular contact with surface based rescue personnel. Sensear enables constant communication between the tunnel cleaning staff and the rescue/stand-by personnel.

Sensear and the Power Industry Partnerships and Applications

Since its inception in 2006 in Australia, Sensear has been focused on the Power industry. Sensear discovered the world's Power industry had a critical need for a high noise communication solution that enabled their workers to communicate clearly and stay protected. And as customer adoption increased, Sensear's unique product proved its ability to meet the stringent demands of some of the leading companies in this industry. Sensear products are now being used in many applications by the following companies:
Energy Australia, Energex, Eraring Energy, Western Power, Loy Yang Power, Integral Power, PGE.

Live Line - High Voltage work

Clear communication is imperative where staff are working on a EWP (elevated work platform) and are being given instructions by the supervisor/spotter on the ground ensuring work tasks are being executed safely. The supervisor/spotter encounters constant noise from roadside traffic as well as noise generated from the diesel engines of the EWP which makes communication difficult, increasing safety risks. Sensear reduces the risk by suppressing the noise hazards ensuring instructions given are clearly heard through speech enhancement. Live line staff can remain hands free at all times by using our VOX system allowing them to remain completely focused on the task at hand removing the restrictions created by protective clothing.

Pulling in underground cables through duct lines or conduits

Sensear solves the communications problem where cables are being pulled through a conduit from a remote location. In this situation, the operator of the capstan winch is usually in close proximity to a machine that can generate high levels of occupational noise. Here the operator is reliant on radio communication to determine the pull rate for the capstan winch or for instructions to stop the winch operation immediately due to an emergency situation.

Overhead power line installation on either distribution or transmission networks

This procedure requires a lot of communication between the winch operators, the cable drum brake operator and various observers throughout the length of the conductor pull. There is a requirement for instant communication when necessitated by the conditions of the cable pull and as the winch operator is seated adjacent to the motor of the winch, he has a mandate to wear hearing protection.

How Sensear is benefiting the Power Industry by offering the following solutions

- Critical hearing protection requirements in areas where there is a high level of occupational noise
- Enables effective communication with other employees either face to face or two-way radio or on cell phone.
- Delivers situational awareness is critical due to potentially dangerous environments
- Enables employees to concentrate on the task at hand rather than straining to hear messages or conversations
- Improves productivity by efficiency of work completion. Stop work issues need to be minimized and effectiveness of job completions need to be maximized.
- Enables effective use of machinery via communication where the cable pull or work site can be out of sight of the operator.

