

**NoizzOff**  
the ultimate noise filter

**AI**

powered by



## Notre mission : faire taire le bruit et libérer la voix !

### CandyVoice

- Expertise en traitement numérique de la voix & IA
- Fournisseur de technologies vocales innovantes

### Modes de travail envisagé :

- Fournisseur de solutions technologiques
- Sous-traitance spécialisée
- Collaboration avec les unités
- Partenariat avec l'écosystème

### Références militaires

- TRT : développement d'un modem radio numérique militaire avec saut de fréquence
- Thales : intégration du vocodeur TETRA
- Dans le passé : habilité "Secret Défense" et OTAN

### Caractéristiques communes de toutes les technologies

- Proprietary technologies with high TRL (Technology Readiness Level)
- Operate locally (no cloud dependency)
- Real-time performance
- Low computational requirements
- Can operate independently or in synergy
- Simple and intuitive interfaces
- Technologies adaptable to specific needs or use cases (customization options available)
- ITAR-free technology
- Technology demonstrations available upon request

### Options d'intégration

- Locally or on a server
- In a Docker container
- Cross-platform support (all major operating systems)
- Compatible with ARM processors (easily integrable into any hardware, e.g., digital radios)
- Runs on embedded processors (no need for GPU cards)

### Proposition de valeur

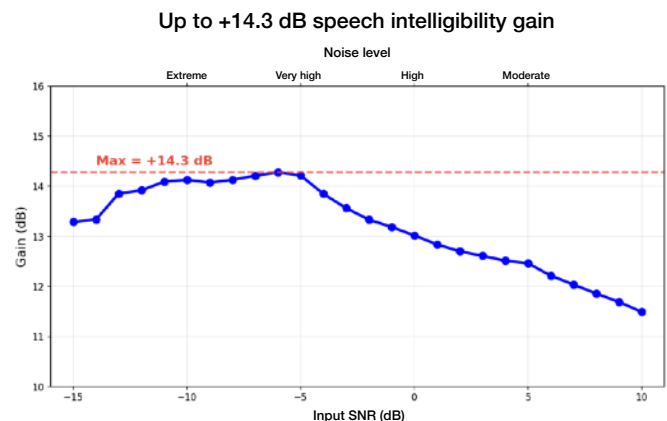
Neural networks trained on acoustic data from defence, tactical and industrial environments under extreme noise conditions.

### Innovation / Avantages concurrentiels

- Eliminates ambient noise and distant human voices
- Preserves the natural characteristics of the voice
- Automatic Gain Control (AGC): 18 dB (stable and controlled signal level despite sudden energy variations)

### Caractéristiques techniques

- Single-microphone, real-time-optimised AI architecture
- Adaptive noise reduction: > 26 dB, up to full mute
- Controlled processing latency: 62 ms
- Sampling rate: 16 kHz
- Speech intelligibility gain: +14.3 dB (MOS metric)
- Execution on ARM processors with integrated NPU (Neural Processing Unit)
- Deployment variants:
  - NPU version for embedded systems
  - GPU (Graphics Processing Unit) version for servers and cloud infrastructures
- Required NPU compute power: 5 GOPS
- Compatible with embedded, edge and server deployments



▶ Performance demo: [www.noizzoff.com](http://www.noizzoff.com)