

## The Challenge

High-noise environments demand clear communication. People with hard of hearing need to be able to succeed in critical missions.

## Your Mission

Build a system that:

- Creates: accurate clinical grade audiograms
- Stores: hearing profiles
- Applies: personalized settings even on shared devices
- Does not rely on: cloud connection
- Adds: fit/seal test + noise dose logging and alerts

## Audiometric Edge –

*“Personalized Hearing. Maximum Clarity”*

Tactical & Industrial-grade hearing personalization for safer, clearer communication

Aalto University PDP Project 2025-2026

SAVOX | otos

## Why It Matters

**Safety:** Reduce NIHL risk

**Clarity:** Personalized hearing profile

**Resilience:** Works without cloud

## Key Questions

- Workflow from audiogram to personalized hearing?
- Secure token design?
- Fast fit & seal verification?
- UX for audiogram station?
- WHO-ITU H.870 compliance?