

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

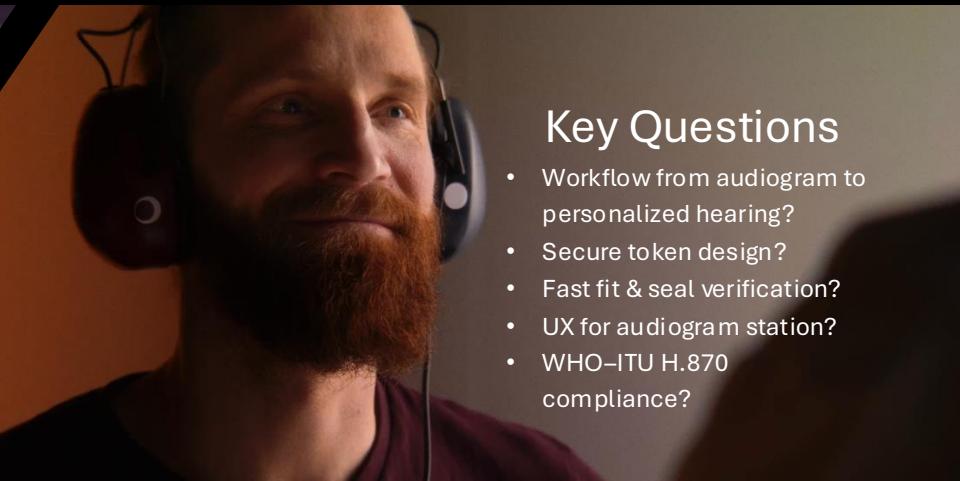
SAVOX | otos

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?