Echologia

Turning audio into intelligence

Who We are ?

Ramy

Tobias

Vasiliy

Asyl

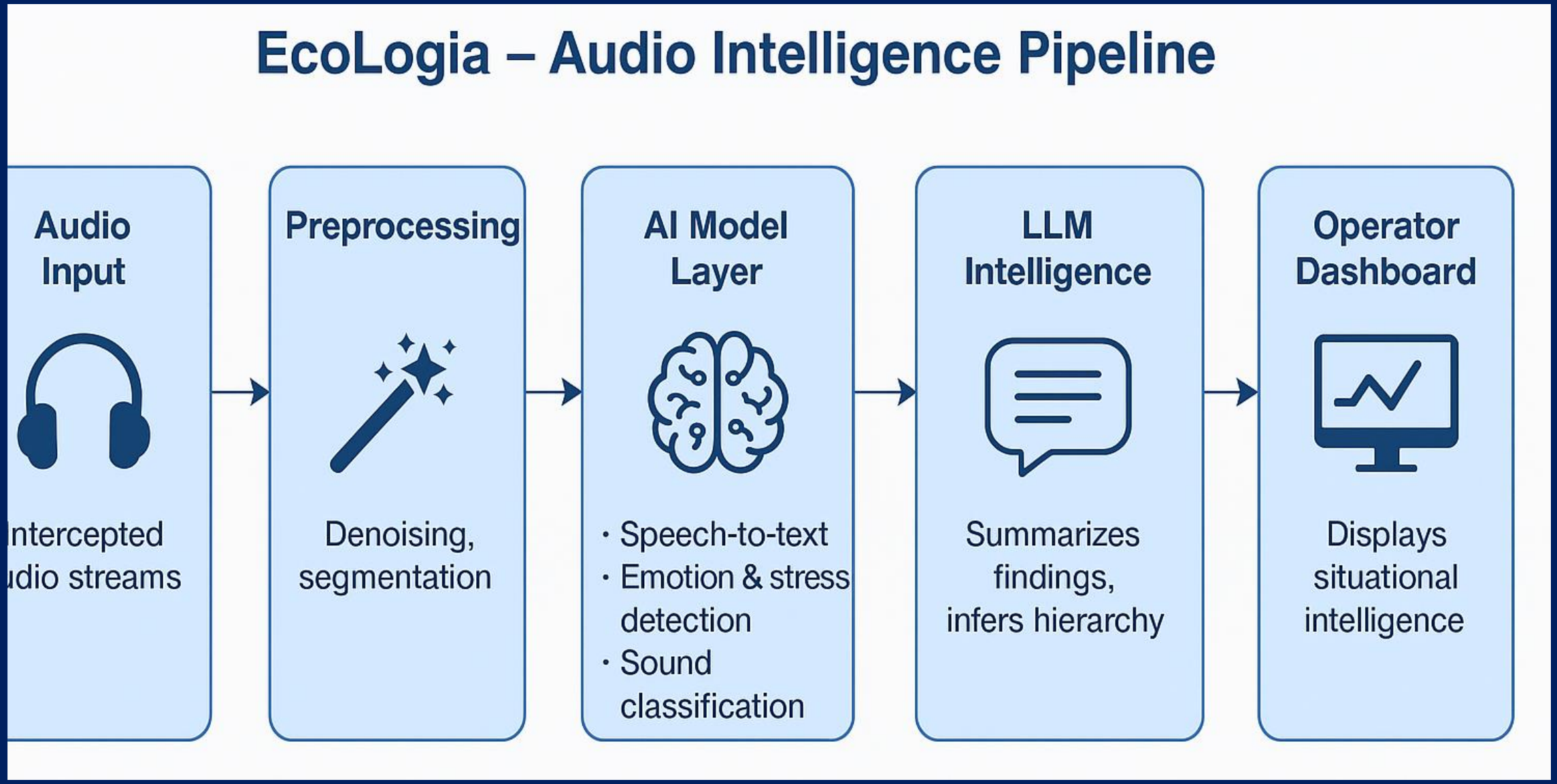
Alexander

Deloitte.

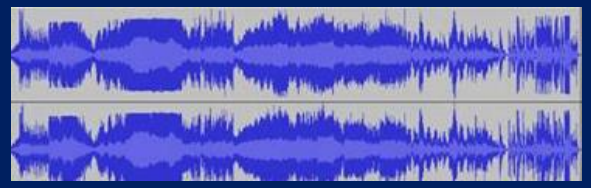
The problem

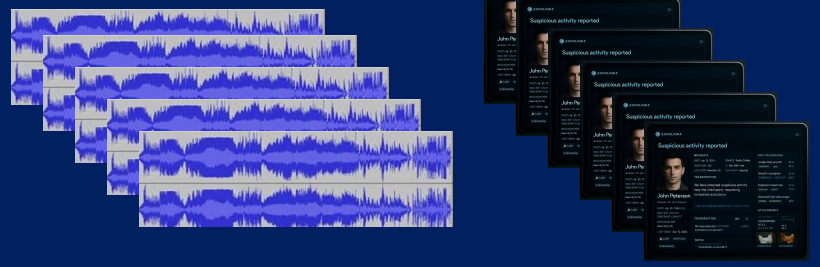
1. Collecting audio data
2. Intercepted is not clean and underutilized.
3. Current SIGINT tools focus on *what* is said, not *how* or *where*.
4. Lack of automation slows tactical decision-making in fast-changing environments.

How we solve this?



How it looks like?



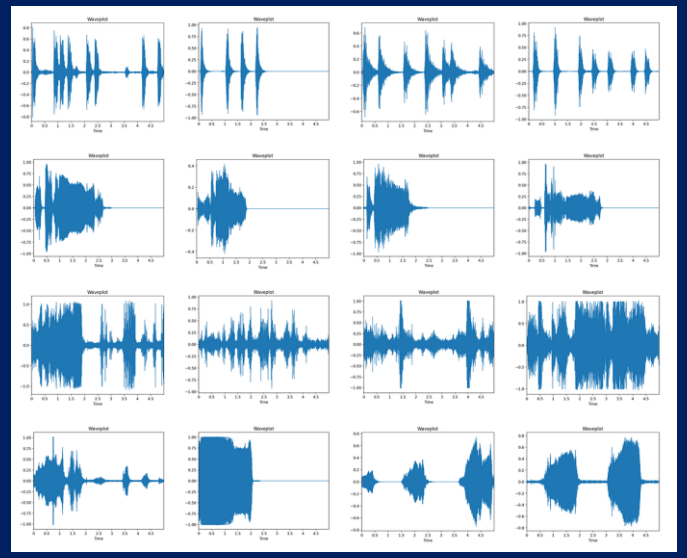


Hackathon Achievements

- Prototype built integrating Whisper + LLM for multi-layered audio intelligence.
- Visual concept mock-up + backend logic diagram.
- Team collaboration on multimodal AI integration.

What to do next?

Real data from real world



POC

Scale

Deployment & Scale

- Runs on **field-deployable devices** (e.g., Panasonic Toughbook).
- Modular backend for integration into **NATO ISTAR** or civilian emergency systems.
- Scalable cloud / edge architecture.
- Designed for **secure environments (air-gapped or encrypted networks)**.
- Potential for dual-use: defense, disaster response, intelligence fusion

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