





Innovation und Technologie

Fundação para a Ciência e a Tecnologia



APH-ALARM

Comprehensive safety solution for people with Aphasia



International R&D AAL-Project

- Partner Countries:
- Hungary (Lead)
- Austria
- Portugal







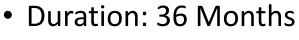
















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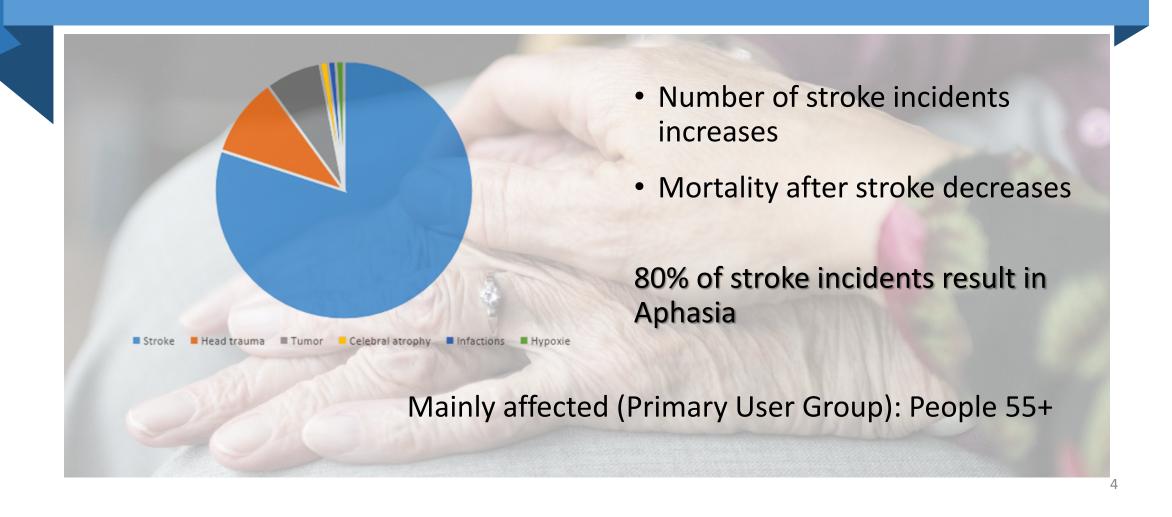


Aphasia: The inability to use language

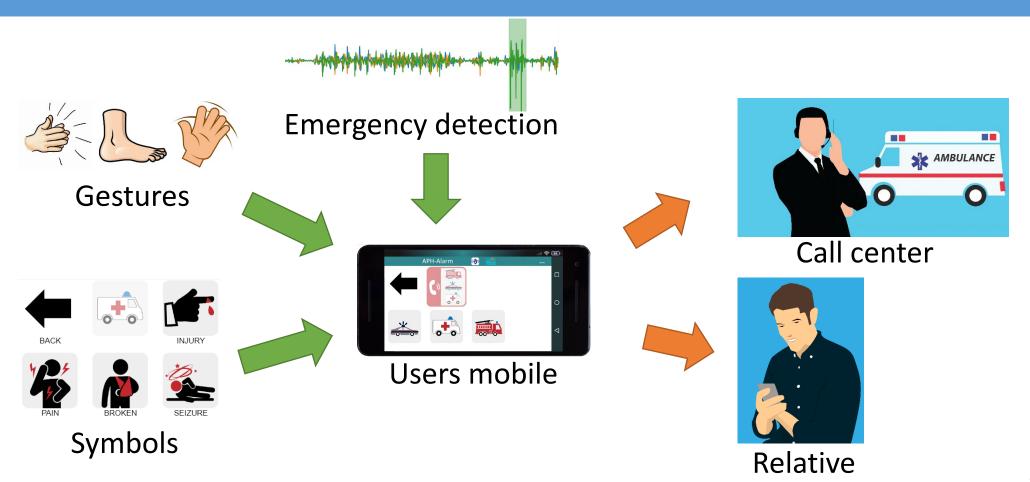
- Speaking
- Listening
- Reading
- Writing



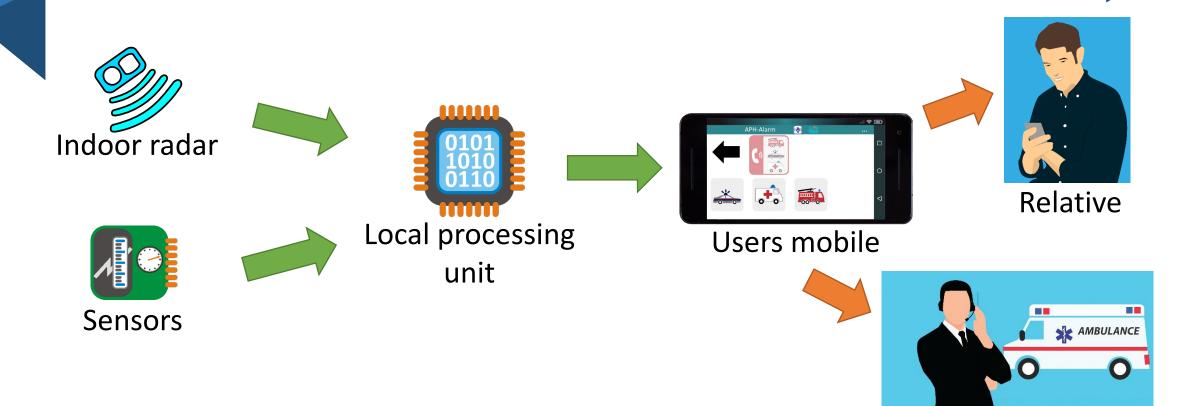
Causes of Aphasia



The APH-Alarm System (mobile usage)



The APH-Alarm System ("in bed" usage)

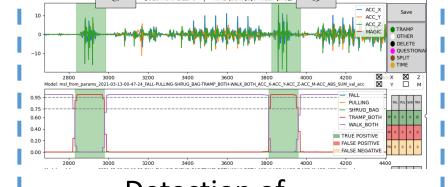


Call center

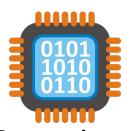
Technical Data Flow (By Sensors)



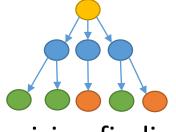
Raw data stream



Detection of trigger events



Pre trained AI model



Decision finding





Manual Alarm (By Symbols)



Simple UI structure Icons, text, TTS



Quick first choice





Option to give details



Flat hierarchy
Option to skip details



Send combined message





Link with secondary app: Request confirmed

User involvement

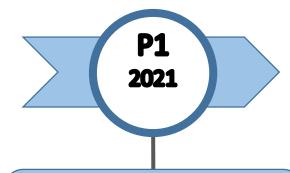
Potential users in three countries

Experts and secondary users

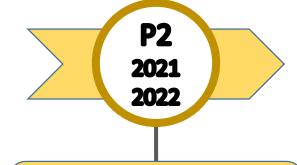
Iterative evaluation in lab and field

- Main user partner: Aphasia organisation in Hungary
- Additional users from Austria and Portugal
- Ethical guidelines
- Requirements collection
- Evaluation of prototypes

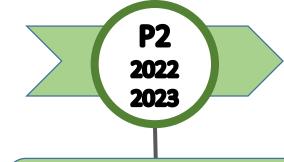
Project Timeline



- User Requirement Analysis
- First Market size estimations
- Technical specification



- Technical development
- Data collection
- User involvement (Testing, Symbols)



- Field trials
- Refine algorithm
- Finalize technical development

Thank you!

https://aph-alarm-project.com/





















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