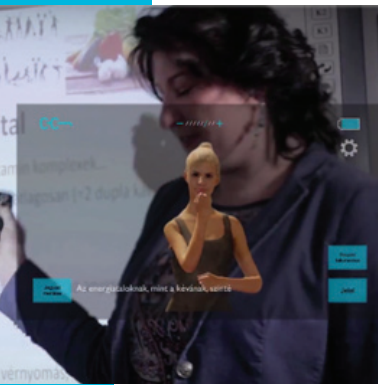


# glacces



## Summary

Glacces is a software application that makes verbal communication accessible to deaf people without involving a sign language interpreter. The system translates spoken language to sign language real time and displays it signed by a 3D animated avatar on a display device. Glacces is developed for multiple platforms and devices, including PCs, tablets, Smart TVs and smartglasses, to address the needs of deaf people in various areas of life.

## Stage

Alpha Prototype

## The need

People born deaf or becoming deaf at a very early age (before acquiring spoken language) learn and use sign language as their first, native language. Deaf sign language users make up about 0.1%–0.5% of the whole population in any given country. Deaf people are in need of assistance – interpretation – in all areas of everyday life where understanding of spoken language is necessary. Availability and accessibility of interpretation to sign language is limited even in countries with the most advanced support systems.

## Development and Commercialisation Strategy

- Use-case specific applications:
  - Glacces Broadcast for live TV, radio or streaming media
  - Glacces Cinema for movies in cinemas
  - Glacces Call for video conferences
  - Glacces Lecture for education
- Starting with use cases where:
  - consequence of failure is limited, avoiding critical applications until technology is mature
  - acceptable user experience can quickly be achieved to make immediate impact
  - interest from B2B customers
- Highly modular system designed for flexibility; allowing easy replacement of modules in case superior solutions emerge, maintaining competitive edge
- Deployment model: On-premise / Hybrid SaaS for large business clients; and SaaS for the consumer market

## Why now

Constituent technologies such as smartglasses, speech recognition, machine translation and motion capture have developed significantly in recent years, reaching a quality that now enables acceptable user experience.

## Why us

- Founders have 10+ years of experience in successful development and implementation of assistive technologies for deaf people
- Highly experienced and committed R&D partners: SpeechTEX, MorphoLogic, Palmstorm, DIGIC Pictures

## Past Milestones & Achievement

- Core technology demonstrated with early prototype (2016 Q4 – 2017 Q1)
- Patent application submitted (2017 Q1)
- Selected into the Erste SEEDS program (2017 Q2)
- Horizon 2020 SME Instrument Seal of Excellence label (2017 Q2)
- Grant of the National Research, Development and Innovation Office (2017 Q3)
- Feasibility Study conducted (2017 Q4 – 2018 Q1)

## Planned Activities and Milestones

- Horizon 2020 Phase 2 SME Instrument project planned to cover:
  - Beta Prototype Development (2018 Q2 – 2019 Q1)
  - Comprehensive Validation with End-users and B2B Customers (2019 Q1 – Q2)
  - Product development and public release (2019 Q2 – 2020 Q1)
- Release of Glacces Newscast and Glacces Cinema for German and Hungarian sign languages in 2020
- Release of Glacces Call in 2021 and Glacces Lecture in 2022
- Adding support for 1–2 additional sign languages each year

