



## REAL-WORLD INCLUSIVITY CHALLENGE

# Communication with little or no hearing - and no vision to help

### The Challenge

People with a hearing impairment or who are deaf rely on their vision in communication. If their vision is also impaired, communicating and perceiving auditory information becomes very difficult. This challenge aims to find innovative ways of enabling people with sensory impairments to live more independent lives and thereby experience more quality of life.

### The Problem

Having this issue provides challenges in situations such as:

- Understanding what is said in the PA system at train stations about platform changes etc. and realizing that you need to try to look at the information signs
- Understanding the mood, humor, etc. of the other person in a video meeting when you cannot see the facial expression or hear the nuances in the voice.

### Target group

This target group consists of more than 10,000 people in Denmark. The majority are over the age of 80. Some communicate through sign language. Solutions to this challenge may also be useful for people who only have an impairment of either hearing or vision.

### Case owner

Ole E. Mortensen - Center for the Deaf. Contact at [oem@cfid.dk](mailto:oem@cfid.dk) or +45 2120 2179. CFD is Denmark's leading expert on and supplier of support and counseling for adults with vision and hearing impairment. Read more at [www.cfid.dk](http://www.cfid.dk)

### Interested?

If you want to work with this challenge, please contact Ingrid Haug, Innovation Consultant at DTU Skylab at [ingha@dtu.dk](mailto:ingha@dtu.dk) or +45 3145 0500

Read about the DTU Skylab-powered [Technology Leaving no one Behind](#)