

Summary of projects from shortlisted EuroTeQ Collider teams at EPFL participating at the EuroTeQathon.

Challenge – Distraction by phones and loss of focus among students during lectures

Challenge – Assisting cognitively impaired individuals in travelling independently and serenely

Team name - Helpie

Challenge Collaborator – Swiss Federal Railways (SBB-CFF-FFS), HackaHealth

Summary of the project – In our project, we focus on helping people with cognitive impairment to travel independently to offer them greater independence, and confidence and reducing social isolation. Cognitive impairments vary widely in their manifestations and severity, necessitating personalized solutions, and designing technology that is accessible, user-friendly, and intuitive is a significant challenge. Ensuring compatibility and integration with diverse public transportation systems and services adds another layer of complexity. Helpie addresses problems by focusing on simplicity and minimal stimuli. The design aims to minimize distractions and deliver only essential information. It provides support through checkpoints and easy ticketing (Switzerland), guiding users step-by-step through their travel journey. The app is designed to be intuitive and customizable, ensuring it meets the needs of individuals with cognitive impairments. Additionally, Helpie is open source, ensuring accessibility to a broad user base.