Test of accessibility solutions for automated vehicles

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AUTOPIA

Ruter self-driving vehicles project

Test of accessibility solutions for automated vehicles

Introduction

Background

One of the objectives for the Ski pilot was to test solutions for persons with reduced mobility in order to gain insight in ***how an autonomous vehicle can be designed universally accessible.***

Main objectives

How can we enable users to be ***completely self-reliant*** when using an automated vehicle service?

Including boarding, securing in the vehicle, completing the trip, deboarding, as well as other potential challenges.

Which solutions were tested?

Wheelchair lift

Swivel seat

Boarding
wheelchair lift

Boarding
swivel seat

Interaction points in the vehicle

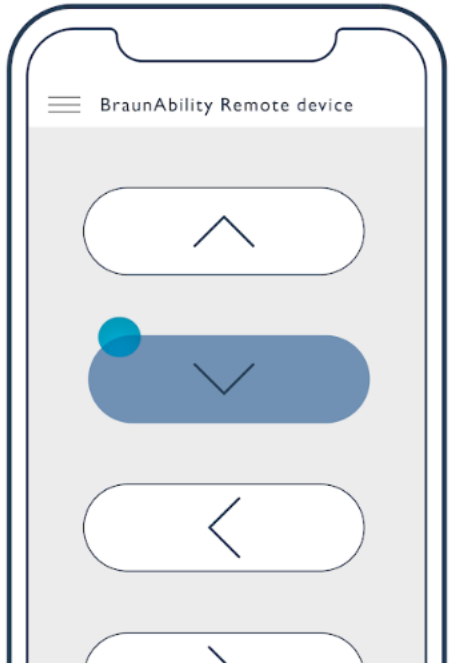
Internal monitors

Emergency break/ stop buttons

Communication with customer service centre

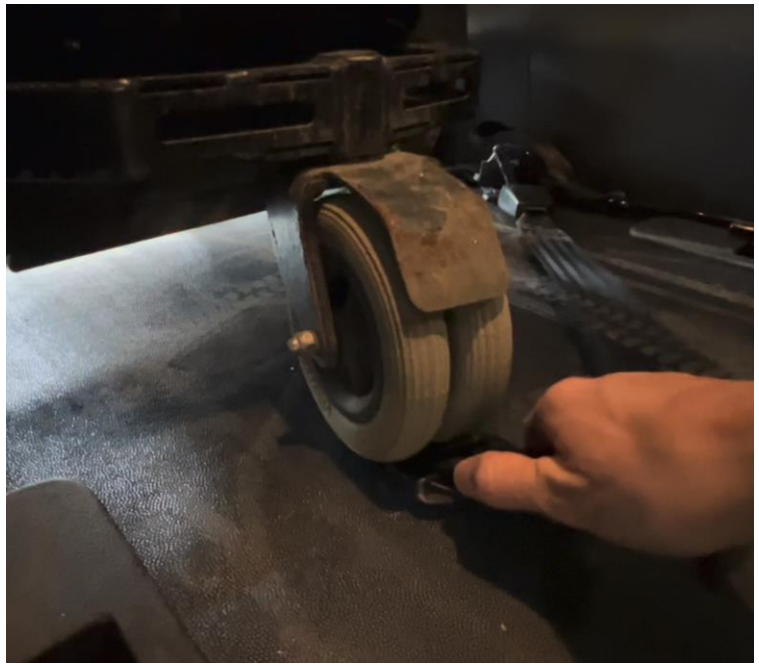
Wired control units / mobile application

How the accessibility solutions were operated



Securing mechanism for wheelchair

How the accessibility solutions were operated



Securing mechanism for swivel seat

How the accessibility solutions were operated

Summary of recommendations

Thank you

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