

REAL-WORLD INCLUSIVITY CHALLENGE

Spontaneous access to train transportation for wheelchair users

The Problem

In Denmark, wheelchair users cannot access public train transportation spontaneously like everyone else but have to order assistance 12 hours in advance. Passengers in wheelchairs are hoisted into the train with a very indiscreet lift while everyone else is waiting and watching. Because of differences in the height of the landing platform and inside stairs, people in wheelchairs need assistance to access public train transport. This inaccessibility results in unequal treatment.

The Challenge

We challenge the students to come up with a solution that can enable equal access and spontaneous train transportation opportunities for wheelchair users (and other potential beneficiaries).

Target group

About 13% of the population of Denmark between ages 16-64 have a mobility impairment, of these around 30.000-50.000 are wheelchair users. But many other secondary beneficiaries benefit from better access conditions in public trains, including people with baby carriages, and people carrying heavy luggage or bicycles. Utilize the principles of universal design to develop solutions for the broadest amount of target groups possible.

Case Owner

The Danish Association of The Physically Disabled (DHF) represents people with diverse forms of physical disabilities and have 8.300 members. DHF is an NGO whose foremost task is to ensure equal rights and accessibility for all persons with physical disabilities. Read more at danskhandicapforbund.dk

Interested?

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

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