

Database for barrier-free public transport systems

This research project provides a comprehensive list of barriers in public transport systems and convenient solutions for vision and hearing impaired passengers. Authorities and public transport companies can use the results to improve their services.

«Solutions for sight and/or hearing impaired are an important basis of inclusive design measures. They enable an easy use of public transport systems.»

(Elmar W.M. FÜRST)

MoViH – Mobility in public transport

Organisation: WU Wien, Institute for Transport and Logistics Management

Country/region of origin: Austria

Beneficiaries targeted: Persons with vision and/or hearing impairments

Approach/model/solution: Database of solutions

FACTS & FIGURES

- Database of approx. 300 best & worst practices (photo graphs) as a toolkit to design barrier-free transport systems
- Problems categorised as: stops and stations, vehicles, general mobility problems, and public awareness
- Contributed to making Vienna International Airport accessible

PROBLEMS TARGETED

The project team found a variety of problems imposed on impaired passengers that could be segmented into four categories: 'stops and stations', 'vehicles', 'general mobility problems' and 'public awareness'. Multiple solutions to each barrier are presented and the main target group is indicated.

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PROJECT

As public transport is an ever more important factor in everyday life, the responsible authorities should be made aware of the specific problems imposed on vision- and/or hearing-impaired persons. This research project provided an initial comprehensive list of barriers together with convenient solutions that should be considered for a barrier-free public transport system.

CURRENT SITUATION & OUTLOOK

The research project focused exclusively on the needs of and barriers for people with vision and hearing disabilities - currently a unique approach. In order to identify the most efficient and effective solutions in terms of accessibility, the transport companies as providers and the public sector were interviewed. The information is compiled as 'best & worst practices' and forms a solid basis for consulting transport companies to make their systems as accessible as possible. Using the findings from the project, the accessibility of the Vienna International Airport was improved. The professional knowledge generated is also used to improve existing standards and develop new ones.



Indicating one of the best practices that were identified during the research process: clearly marking all potential hazards in the street to make them as visible as possible for persons with visual impairments.

EXPERT VOTING



Top marks from:

- EU voters

Nominated by: WU Wien