



KFV

LIFEtool
computer aided communication

Netural

CCP
STUDIO

hoss
MOBILITY

heindl

Virtual Reality - an opportunity for safe and realistic power wheelchair training

Eva Aigner-Breuss | KFV (Austrian Road Safety Board)

WheelSim App

Aim: to train the handling of a power wheel chair safely in a protected simulation environment

User groups: people with disabilities who use a power wheelchair, therapists, wheelchair providers

Equipment: computer, input devices, Oculus VR headsets

WheelSim offers extensive training options



Practice Park



Time Trials



Tasks



Free explorations

Evaluation and results



Different user groups tested the app

- ✓ WheelSim trains those skills required in real life situations
- ✓ High acceptance and easy to use
- ✓ Playful approach motivates to train stressful situations
- ✓ Assessed as a supportive tool for therapy

WheelSim is available in 2 versions: for individuals and professionals.

Further information: www.wheelsim.info

