

The European Rehab Racing Centre **Kalix - Sweden**



Vehicles can be adapted to most functional impairments

Almost nothing is impossible

This is the opinion of the entrepreneur Hans Rönnlund who, together with the technicians Jorma Stenberg and Anders Andersson, takes care of the customers' vehicles and adapts them, by using intelligent technology, so they become user friendly and safe, both for user and environment.

Each customer is unique

It's a matter of working together with all parties concerned in the individual adaptation of every single vehicle according to the prerequisites of every single person. High demands are made on safe driving in today's often intense traffic. Cooperating parties are customers, doctors, car fitters, occupational therapists, driving schools, the Social Insurance Office and the Swedish National Road Administration (which is in charge of road safety)

Managing to drive on your own is a dream

Many people take this for granted, whereas other people experience feelings of happiness and gratitude just to be able to cope with everyday cares. It's about self-esteem, feeling of liberty and quality of life. Just imagine travelling safely and comfortably wherever you like – in spite of a functional impairment limiting your abilities.

The goal is to speed up processing time

Today it might take up to one and a half year before a decision is made to provide an impaired person with an adapted vehicle. This time should be considerably shortened, preferably down to 2-3 months.

"It's an enormous feeling of freedom being able to drive on your own on an idyllic country road in the summer"

The test station is guiding the technicians towards the best technological solutions

The Menox Driver Test Station.

This is an intelligent test station helping impaired, sick or elderly people to test their abilities – both good and less good ones. Based on these results, the rehabilitation is individually worked out and later on the adaptation of vehicles takes place. It's a matter of looking for opportunities for recovery which will help to cope with everyday matters and which in its turn will enhance life quality.



Example of adaptation of a vehicle for a customer with a functional impairment

Most vehicles to become adapted are for natural reasons ordinary private cars.

On the picture to the left the lever to the right of the seat works as a hand control for both accelerator and brake. When the control is pushed backward you accelerate, when it is pushed forward you brake.

To the right we see a turnable driver's seat which is controlled by a lever down to the left of the seat. It can be turned into a 45-degree position to facilitate getting in and out of the vehicle. The cars can easily be adapted to fit both disabled drivers and those in good health. With a hidden button the impaired driver adapts the car into a "disabled function".

