

E - Scooters: potential solutions for social inclusion

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E-scooters

Low speed vehicles, neighbourhood electric vehicles, electric mobility scooters are the fastest growing category of transportation in the past 5 years.

Latvian entrepreneurs experience providing e- scooters to deal with social inclusion

The common features, which can be considered as the main benefits of this group:

1. Possibility to carry people and goods in internal and outdoor territories and facilities
2. Limited and mostly reduced speed up to 10-45 km/h
3. Smaller ecological footprint than automotive industry
4. Possibility to fulfil certain needs of user by certain specialization of vehicle
5. No special charging points needed
6. Increase the mobility of human resources
7. Facilitate to reach national energy and climate targets for 2030, both in public and private sector

Hospitals and recreation centers

Personal
transportation
indoors



Patient
transportation
indoors



Riga 1st Hospital

Advantages:

1. Limited speed
2. Patients with limited mobility possibilities safe transportation around large hospital territory
3. Small dimensions of device
4. Easy to drive by medical personal
5. Easy to charge and maintenance

Disadvantages:

1. Historical buildings has limited space which affect manoeuvrability of the e-scooter

Catering service in the Children clinical university hospital

Vehicles with closed cargo boxes



Riga Psychiatry and Narcology Center

Specific multifunction cargo space was designed to carry different cargo types – in this case transport the bed linen/ towels

Advantages:

1. In Latvia: Mandatory requirements for public bodies to have green public procurement for food and catering services.
2. Distribution of the food in the closed hospital area
3. **Raise the mobility of the personal**



Riga international airport

Personal
transportation
indoors



Advantages:

1. Specially designed with lowered step, with the aim to make passenger easier to use it.
2. Zero emission during the vehicle using as well during charging. Important aspect as vehicle is used indoor.
3. Rising the comfort of the passengers

Garden of Destiny



22 hectares of parkland



Advantages:

1. Large area: difficult to walk around all of it.
2. Mainly used by children, old people, disabled people
3. Vehicle is quite – important aspect as Garden of destiny is a memorial place
4. Ensured mobility in the territories where other transport is forbidden.
5. Comfortable sit in from wheelchair to e scooters
6. Driving distance 60-80 km per one charge

Disadvantages:

1. Seasonality. The price of e-scooter that is suitable for using in winter is higher.
2. Driver has to have driving skills

Rundales castle



Advantages:

1. Guided tour around the garden territory.
2. As the territory is flat battery exploitation time is longer than average. Battery has to be changed only after 4 years.
3. Increase the mobility of the visitors
4. Added tourism offer

Disadvantages:

1. Seasonality. Not because of price but because of tourism season stopping during the winter.

The territory of the castle ensemble occupies 85 hectares.

Sigulda – the city of tourism



Advantages:

1. Convertible rear seat – cargo platform for carrying people and goods over the river Gauja valey.
2. E – scooters can be rented for individual and guided tours.
3. Sigulda is environmental friendly place in Gauja National Park where such vehicles for tourism are used more than 10 years which gives a great opportunity for tourists and local people to enjoy beauty of nature in quietness without CO2 emissions



[Video](#)



Disadvantages:

1. Seasonality

Gulbene and Viestīte municipalities

An electric train tour “Discover and Meet Gulbeni!”



Advantages:

1. Large area – only low speed vehicles is allowed to drive in the territory of municipal parks.
2. Electric train as a specific truism offer.

Disadvantages:

1. Seasonality

Riga ZOO



Advantages:

1. Historical territory with limited space for transport.
2. Can transport both - goods and animals.
3. Important aspect manoeuvrability together with quietness and zero emissions:
 - Specific animals are sensitive to the noise.
 - E –vehicle must not disturb visitors as they both using the same road (for example small children don't like the noise)
 - No emissions – important as vehicle is used to carry the food in the animal cages.
4. E-vehicle is used also in the neighbourhood traffic
5. E-vehicle has multifunctional cargo box

Joint Stock Company “Latvia’s State Forests”



Nursery - seeds and seedlings



Vehicle in Tērvete nature park



Advantages:

1. Rising the mobility and the capacity of personnel.
2. Cargo box adapted to the needs of seed and seeding or materials to renovate nature trails and other everyday jobs.
3. Good in in specific weather and nature aspects – wet and dry season; solid and soft grounds (bogs; wetlands).

Thank you!



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