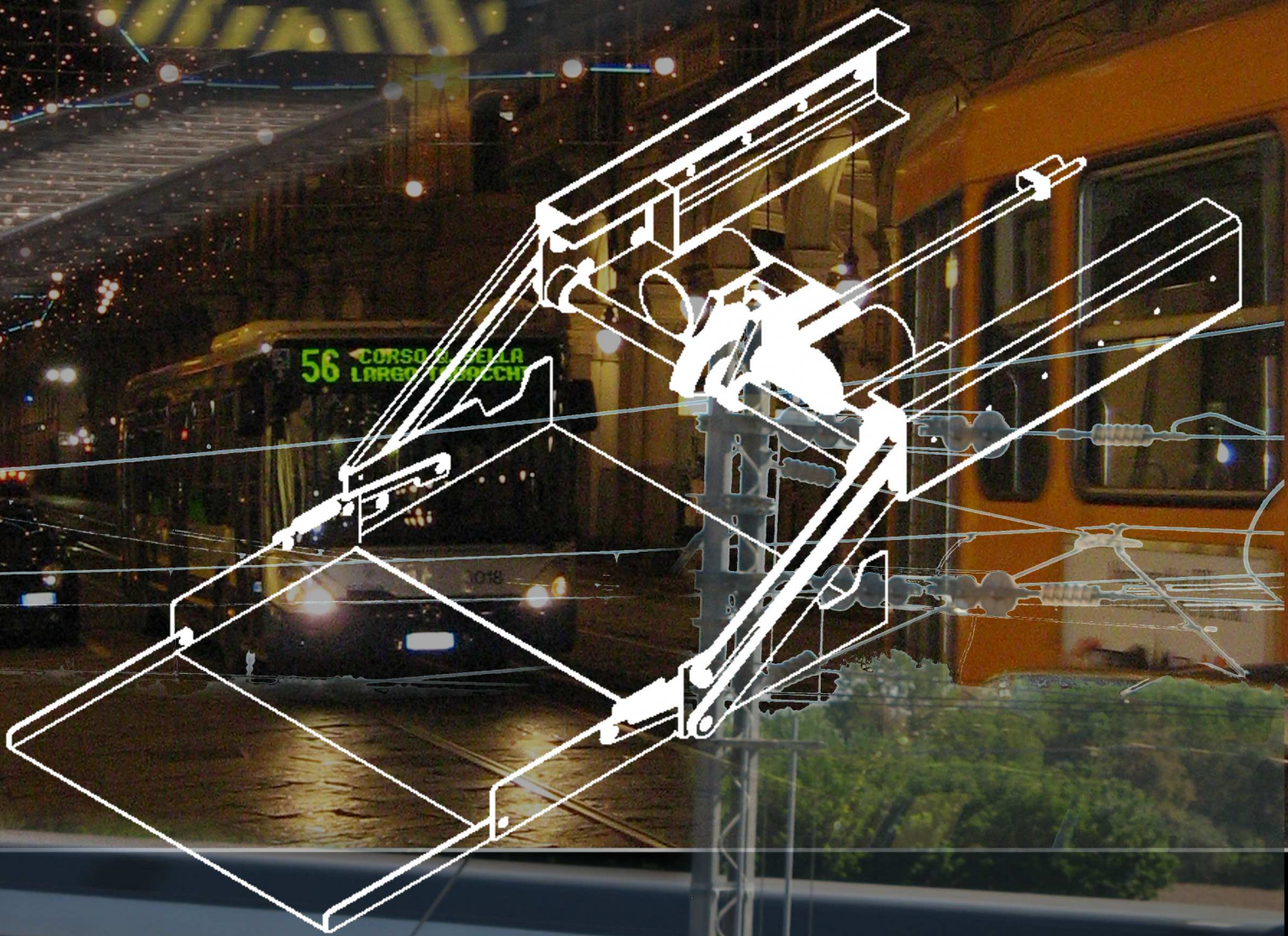
TG-K ON TRACKS

LiftOk-Rk



LiftOk

SDE-0003-2013

Generalities

The "**LiftOk-Rk**" lifters, electrically operated, are designed to allow access for persons with reduced mobility to railway or motor vehicles (buses, mini buses and cars). The device meets the need for complete usability of these vehicles by persons with mobility impairments temporary or permanent.

With a payload of 350 kg not only meets the legal requirements for such equipment, but exceeds them, allowing additional load such as luggage and a possible assistant.

"**LiftOk-Rk**" meets all the requirements of the TSI-PRM (European Official Journal no. L 64 of 7 March 2008) and is therefore suitable to board Persons with reduced mobility, forced in a wheelchair, (PMR).

"LiftOk-Rk" Main features

The lifting electric motor is controlled by a dedicated electronics that ensures constant speed and acceleration (change from zero speed to operating speed) of less than 0.3 g as required by the current regulations to avoid sudden acceleration to the backbone of People on wheelchair . As the motion is not powered by hydraulic fluid the acceleration and speed can granted at any ambient temperature.

Key Features of the lift "**LiftOk-Rk**" for rail vehicles can be summarized as follows:

- constructive and functional flexibility;
- adjustable functional logic and control command;
- minimum structural interventions on the vehicle;
- reduced costs of installation, operation and maintenance
- reliability and safety, thanks to power from the low voltage circuits of the vehicle (battery);
- environmental friendly;
- significant visual and psychological impact because it makes non-discriminatory access to vehicles.

Payload	350	kg
Lift weight	270	kg
Platform width	760	mm
Platform length	1200	mm
Voltage power supply (from-to)	12-110	Vdc
Power consumption	1	kW

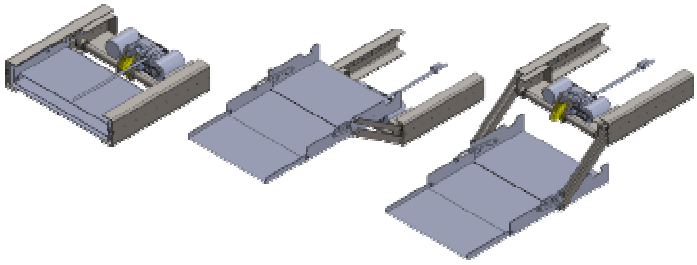
The electronic control system is designed according to the EN 50155 requirements (railways electronic equipments) specifically referring to:

- operating voltage range,
- dielectrics loads resistance,
- pulse current resistance capability
- temperature range,
- vibration resistance.

"LiftOk-Rk" Operational sequences

All "**LiftOk-Rk**" lifts have standardized extraction and vertical movement sequences.

The lifting system at rest is contained in a box placed under the vehicle.



The operational sequence of the lift includes mainly two phases: the platform extraction and its vertical movement until reaching the desired boarding level.

The operational sequences may be completely electrically driven, or partially automatic or manual.

Some References

All the examples shown below are based on the patented solution that Tekontracks has recently acquired.

The solutions presented are related to railway, buses or cars applications, all with electric drive extraction of the loading platform fully automatic, or partially manual operated.

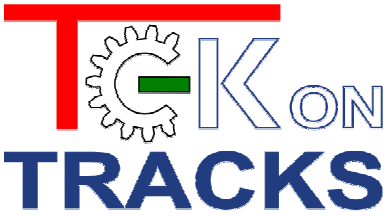
The railway examples are all equipped with a fully automatic operated electric drive extraction system of the loading platform.





An example of a prototype for mini-buses all electrically and fully automatic.


An example of cars application with the vertical motion of the loading platform electrically driven and a semi automatic platform extraction.



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