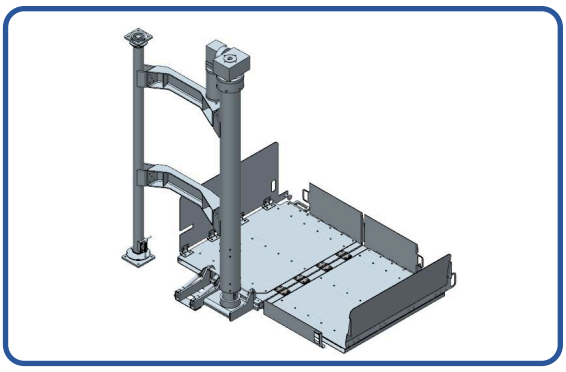
SIRAIL

LiftOK

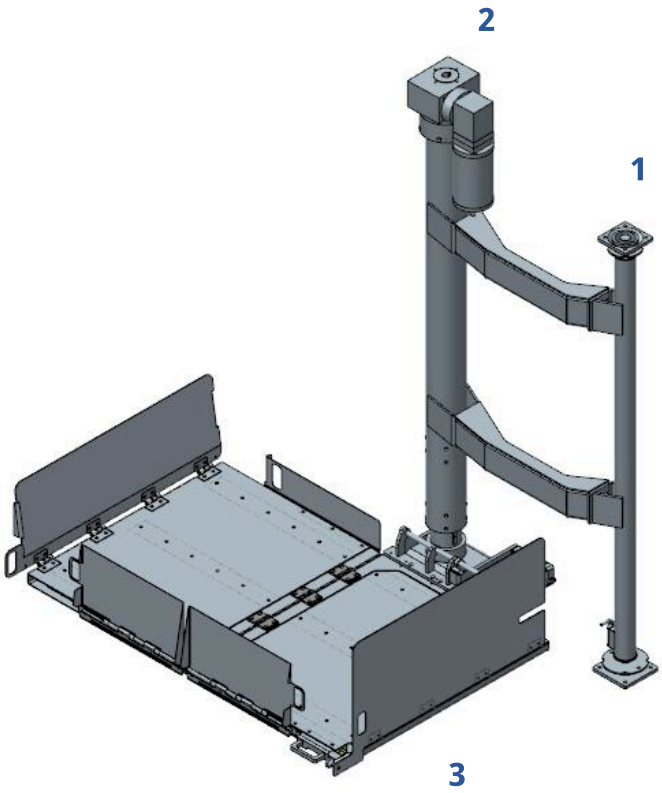
The lift for Persons with Reduced Mobility



Low Maintenance | Tunable Positioning | TSI Compliant | Design Flexibility

Main features

The lifting electric motor is controlled by dedicated electronics, ensuring smooth and controlled movement throughout the lifting operation. The system is designed to provide safe and comfortable operation, with controlled speed and acceleration in compliance with the applicable TSI PRM 2014 requirements.
As the lifting mechanism is electrically driven and does not rely on hydraulic fluid, its performance remains consistent across a wide range of ambient temperatures.
The lift also features parallel access, allowing users to enter and exit the lift platform in a direction parallel to the train when the station platform is not wide enough.



Dimensions	Closed	Open
Height	1670mm	1670mm
Width	392mm	760mm
Length	910mm	760mm

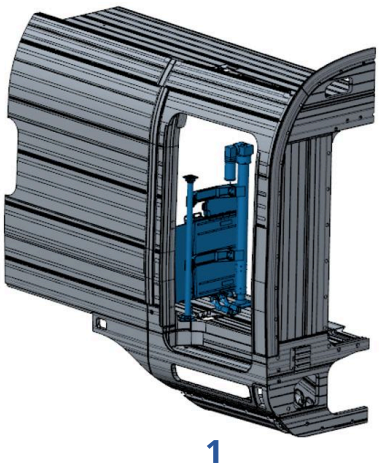
Key Product Information	
Weight of the Lift	200 Kg
Load capacity	350 Kg
Maximum stroke	1000 mm
Cycle time of the operation	≤ 120 s
Number of train staff members to operate the lift	1
Possibility to have RH and LH version of the lift	Yes
Adaptation of the lift to different train doors dimensions	Yes
Adaptation of the lift to different location inside the vestibule	Yes
Manual operation in case of power supply failure	Yes

The LiftOK is essentially composed of 4 elements.

1. The spinning pillar is the assembly mechanically secured to the vehicle structure by means of screws. It is designed to withstand the mechanical loads encountered during operation, in accordance with the applicable regulations and safety requirements.
2. The lifting pillar is connected to 2 arms/rods that link the 2 pillars together, providing structural stability and ensuring coordinated movement of the lifting system.
3. Lifting platform, host the Person on a wheelchair lifting her from the platform station to the floor of the vestibule of the rail vehicle and vice versa. The platform of the LiftOk® is made in 2 parts.
4. An electrical box and control unit is located in a watertight box that can be positioned independently of the lift fitting

Opening sequence of the LiftOK

- The starting sequence requires the positioning of the lift out of it housing by rotating it around its spinning pillar (1 to 2). This movement is manual.
- The next steps involve the manual opening of the platform acting on its two main parts (2 to 3 and 3 to 4). The platform is now opened and parallel to the platform, ready to host the passenger.
- Vertical movement of the platform allowed by an electric system which ensures the movement of a telescopic group of pillars (4 to 5)
- Opened barriers which allow front and lateral access and exit (6)



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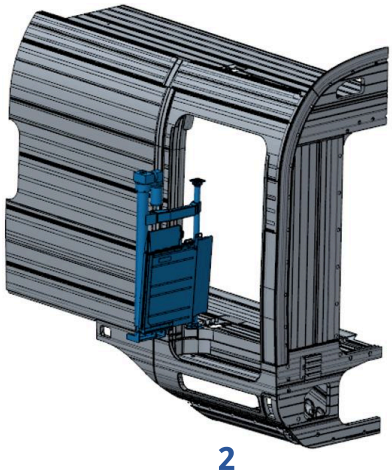

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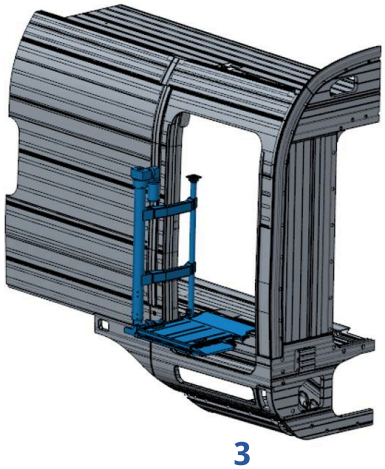

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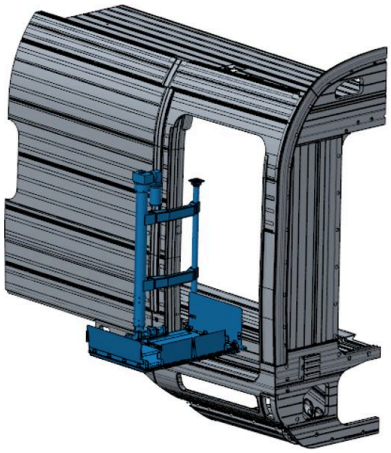

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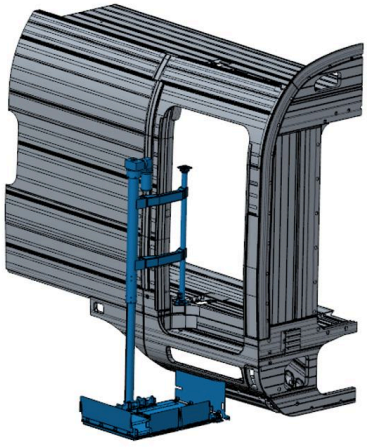

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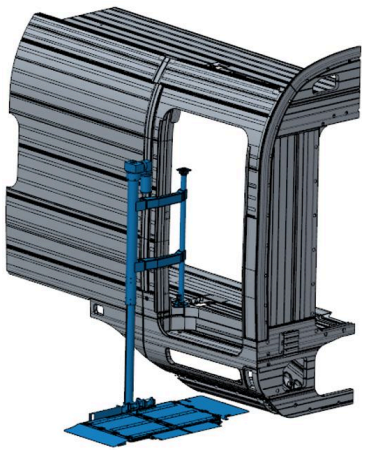

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Railway standard
The LiftOK is designed according to EN 50155 requirements.

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