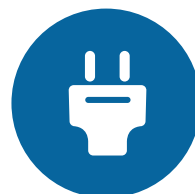


lighTram® 25 DC



Verkehrsbetriebe Luzern, Lucerne

a smart bus system



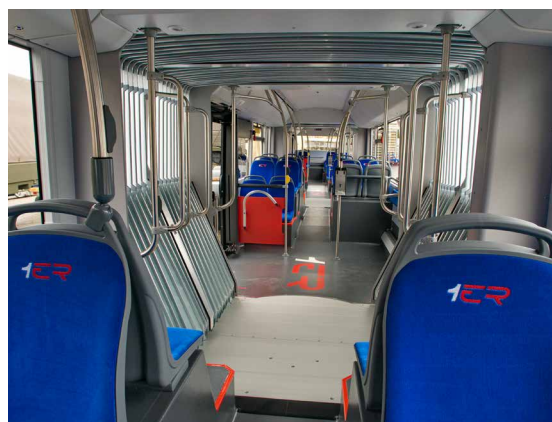
MOTION & EMOTION

**HES**

# lighTram® 25 DC

Thanks to the locally emission-free electrical drive, HESS trolleybuses are the ideal means of transport for high-density city traffic. As powerful as they are, they are quiet, sparing in their energy consumption and returning recuperated braking energy. With its generous riding and seating comfort and ease of entry the SwissTrolley® is as highly appreciated by bus companies as it is by passengers. Thanks to innovative, patented drive technology, with intelligent control, it impresses even in winter and topographically difficult conditions. Thanks to two steered axles, the 24,7 m long vehicle has the same maneuverability as normal articulated buses.

A project of:	Verkehrsbetriebe Luzern, Lucerne
Vehicles:	27 lighTram® 25 DC
Total capacity:	220 (6p/m <sup>2</sup> )
Bus body:	Aluminum system CO-BOLT®
Steering:	Axles 1+4
Traction:	Electrical on axles 2+3 Asynchronous motors, air-cooled
Energy recharging:	DC (Dynamic Charging)
Energy recovery:	Yes
Energy storage:	Traction battery Lithium Ion: 25 kWh
Heating / Cooling	100% electrical: fully automatic heating and air conditioning Convector heating, Compact air conditioning
Length, Width, Height:	approx. 24,7 m, 2,5 m, 3,5 m
Driver's area:	compatible with VDV
Homologation:	Standard trolleybus EN 50502



INFO: UNICMAR NEW ENERGY SRL  
OCNA MURES JUD.ALBA  
STR. 1MAI NR.20  
E-mail unicmar@gmail.com  
www.unicmar.ro  
0040744812837

MOTION & EMOTION **HESS**

HESS AG Bielstrasse 7 CH-4512 Bellach +41 32 617 34 11