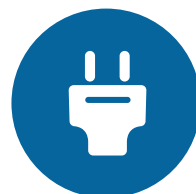




lightTram[®] 25 DC

BERNMOBIL, Bern

a smart bus system



MOTION & EMOTION

HESS

lighTram® 25 DC

Thanks to its low-emission electrical drive, the lighTram® is the ideal means of transport for heavy urban traffic. As powerful as they are, they are quiet, economical in their energy consumption and returning recuperated braking energy. With its generous riding and seating comfort and ease of entry the lighTram® 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 manoeuvrability as normal articulated buses.

A project of:	BERNMOBIL
Vehicles:	14 lighTram® 25 DC
Total capacity:	224 + 1 (6p/m ²)
Bus body:	Aluminum system CO-BOLT®
Steering:	Electrohydraulic, Axles 1 + 4
Traction:	Electrical on axles 2 + 3 Permanent magnet motors, liquid-cooled
Energy recovery:	Yes
Energy storage:	Yes, incl. smoothing of current peaks
Regular service without catenary:	up to 30 %
Operational service without catenary:	up to 30 km
Heating / Cooling:	100% electrical: fully automatic heating and air conditioning
Length, Width, Height:	approx. 24,7 m, 2,55 m, 3,5 m
Driver's area:	Compatible with VDV
Homologation:	Standard trolleybus EN 50502 Bus regulation ECE R 107
Plug charge:	HESS Trolley Charging Station 400 V AC, 20 kVA
Pantograf charge:	Conductive energy supply type DC (Dynamic Charging) while driving, 600 V / 750 V

