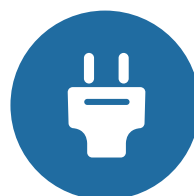




# BERNMOBIL, Bern

a smart bus system



# lighTram® 19 OPP

Line 17 from Berne main train station to Köniz Weiermatt will be electrified with the lighTram® 19 OPP, making it CO<sub>2</sub> neutral and significantly quieter. At the final stop the batteries on the roof are automatically recharged for a few minutes with renewable energy. This reduces environmental impact and increases the comfort of passengers and residents.

A project of:	BERNMOBIL
Line:	17
Length of line:	9 Km
Vehicles:	5 lighTram® 19 OPP
Total capacity:	135 + 1 (6p/m <sup>2</sup> )
Bus body:	Aluminum system CO-BOLT®
Steering:	Electrohydraulic
Traction:	Electrical on axles 2+3, permanent magnet motors liquid-cooled
Heating / Cooling:	100% electric: fully automatic heating and air conditioning
Length, Width, Height:	approx. 18,7 m, 2,55 m, 3,5 m
Driver's area:	compatible with VDV
Homologation:	Battery vehicles ECE R100
Plug charge:	CCS Combo 2, 200A, 150 kW
Pantograf charge:	Conductive energy supply according to the OppCharge® protocol on one terminus, 600A, 450 kW

