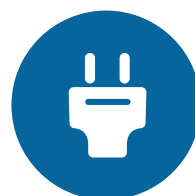




SwissTrolley® 19 DC

Verkehrsbetriebe Biel / Bienne

a smart bus system



SwissTrolley® 19 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 trolleybus technology, with 2-axis drive and intelligent control, it impresses even in winter and topographically difficult conditions.

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|---------------------------------------|---|
| A project of: | Verkehrsbetriebe Biel/Bienne |
| Vehicles: | 10 SwissTrolley® 19 DC |
| Total capacity: | 142 + 1 (6p/m ²) |
| Bus body: | Aluminum system CO-BOLT® |
| Steering: | Electrohydraulic |
| 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% per circulation |
| Operational service without catenary: | up to 30 km |
| Heating / Cooling | 100% electrical: 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: | Standard trolleybus EN 50502 Battery vehicles ECE R100 |
| Plug charge: | HESS Trolley Charging Station 400 V AC, 22 kVA |
| Pantograf charge: | Conductive energy supply type DC (Dynamic Charging) while driving, 600 V / 750 V, 200 kVA |

