



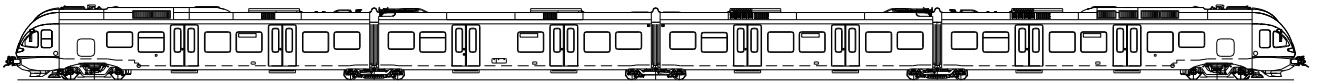
Electric Low-floor Multiple-unit FLIRT for Silesia, Poland

The Polish province of Silesia has placed an order for 4 identical four-unit low-floor commuter FLIRTs for service on the most heavily trafficked lines in that region. The FLIRT (**F**ast **L**ight **I**nnovative **R**egional **T**rain) sets a new tone in suburban transport. The light, friendly, passenger area with an end-to-end walk-through corridor offers passengers maximum comfort. The floor height is 800mm and is therefore optimised for a passenger exchange from both higher and lower platform heights. An electric lift is available for passengers with restricted mobility to enable unimpeded boarding of the train. The vehicle will be assembled in the newly opened Polish Stadler factory in Siedlce and is a 3kV DC equipped modification of the basic FLIRT which has proven so successful in Europe.

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Technical features

- Bright, passenger-friendly interior with customized design
- End-to-end walk-through passenger compartment, with no steps
- Low-floor section > 90%
- Spacious multipurpose area in entrance section
- 8 doors on each side for rapid passenger access
- Air-conditioned passenger and driver compartments
- Vacuum toilet system, also suitable for the disabled
- Ergonomically designed driver's cab
- Automatic coupling
- Welded extruded aluminium superstructure
- Air-suspended bogies
- Redundant traction chain with water-cooled IGBT power converters
- Vehicle control system with train bus and diagnostics computer (CAN open bus)
- Multiple-unit control for up to four vehicles

Vehicle data

Customer	Province of Silesia, Poland
Lines operated	Silesia regions
Gauge	1'435 mm
Designation	-
Catenary supply voltage	3 kVDC
Axle arrangement	Bo' 2'2'2' Bo'
Number of vehicles	4
Service start-up	2008
Seating capacity 2 nd class	183
Fold up seats	29
Standing capacity (4 pers./m ²)	284
Floor height	
Low floor	800 mm
High floor	1'120 mm
Door width	1'300 mm
Longitudinal strength	1'500 kN
Overall length	74'278 mm
Vehicle width	2'880 mm
Vehicle height	4'150 mm
Tare weight	118 t
Bogie wheelbase	
Power bogie	2'700 mm
Trailer bogie	2'700 mm
Powered wheel diameter (new)	860 mm
Trailer wheel diameter (new)	750 mm
Continuous output at wheel	2'000 kW
Maximum output at wheel	2'600 kW
Starting tractive power	
(up to 47 km/h)	200 kN
Max.acceleration at gross weight	1.2 m/s ²
Maximum speed	160 kph

