



Electric Low-floor Multiple-unit FLIRT for Sistemi Territoriali S.p.A. , Italy

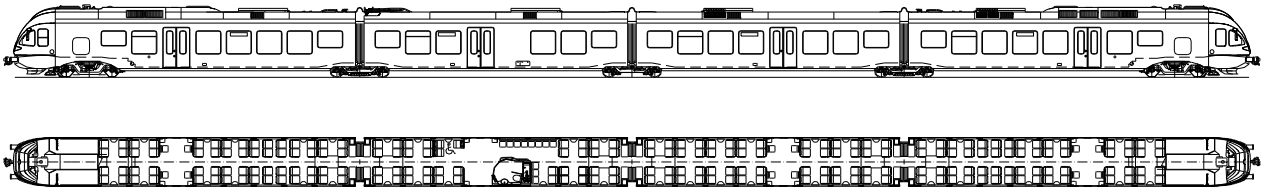
For the expansion of public transport in the Veneto region, Sistemi Territoriali S.p.A. is procuring 2 new four-unit low-floor FLIRT (**F**ast **L**ight **I**nnovative **R**egional **T**rain) trainsets. Together with the diesel-electric articulated railcars GTW they form the backbone of Sistemi Territoriali's regional transport fleet. The trains provide seating for 240 passengers and are equipped with toilet facilities suitable for disabled persons. The installation of the train control system SCMT makes it possible for them to be deployed throughout the Italian Railway System (RFI).

A walk-through passenger compartment optimized for platform heights of 550 mm and rapid acceleration are two of the train's outstanding features.

Stadler Bussnang AG
Industriestrasse 4
CH-9565 Bussnang, Switzerland
Phone +41 (0)71 626 20 20
Fax +41 (0)71 626 20 21
stadler.bussnang@stadlerail.ch

A Stadler Rail Group Company
Industriestrasse 1
CH-9565 Bussnang, Switzerland
Phone +41 (0)71 626 21 20
Fax +41 (0)71 626 21 28
stadler.rail@stadlerail.ch

www.stadlerail.com



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
- 4 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
- Glass fibre reinforced front section with 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)
- SCMT Railway Supervision Systems (RFI compliant)
- Multiple-unit control for up to three vehicles

Vehicle data

Customer	ST Sistemi Territoriali S.p.A., Italy
Lines operated	Padua - Veneto
Gauge	1'435 mm
Designation	-
Catenary supply voltage	3 kVDC
Axle arrangement	Bo' 2'2'2' Bo'
Number of vehicles	2
Service start-up	2008
Seating capacity	219
Fold up seats	21
Standing capacity (4 pers./m ²)	205
Floor height	
Low floor	600 mm
High floor	1'120 mm
Door width	1'300 mm
Longitudinal strength	1'500 kN
Overall length	74'078 mm
Vehicle width	2'880 mm
Vehicle height	4'275 mm
Tare weight	120 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