



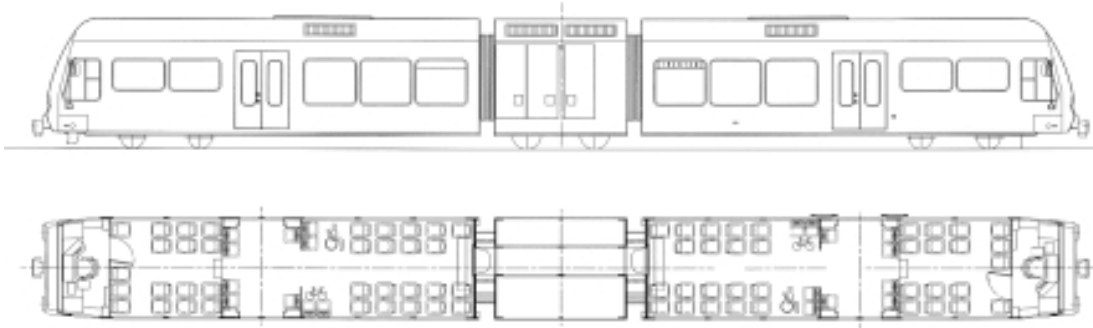
GTW 2/6 low-floor **articulated DMUs for Southern New Jersey**

New Jersey Transit decided to establish on the Trenton - Camden route, which had been used exclusively as a freight route, a regional passenger traffic operation. The line is 57 km long and most of it is on track laid for the third-oldest railway line in North America. To cover its needs on this route, the customer ordered 20 GTW 2/6 DMUs. These are completely assembled in Europe.

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Technical features

- Bright, friendly interior with large window areas
- Stepless passenger compartment with wide doors: low floor section > 66%
- Air-conditioned passenger and driver compartments
- Destination displays and passenger information system
- Spacious multipurpose area in entrance section
- Traction equipment housed in a separate drive module with an 800 mm aisle for passengers, effectively insulating the passenger compartments from noise and vibration sources.
- Extruded aluminium superstructure
- Train adapted for 40-metre curve radius
- Powerful drive unit consisting of a diesel engine with three-phase generator, rectifier, air-cooled IGBT power converter and two self-cooling asynchronous motors
- MITRAC vehicle control with diagnostic computer

Vehicle data

Customer	New Jersey Transit
Line operated	Trenton - Camden
Gauge	1'435 mm
Designation	Southern New Jersey Light Rail Transit
Axle arrangement	2'Bo 2'
Number of vehicles	20
Service startup	2002/2003
Seating capacity (2 nd class)	70
Fold up seats	20
Standing capacity	94
Floor height	
Low floor	584 mm
High floor	999 mm
Door width	1'300 mm
Longitudinal strength	max. 1'170 or 1'386 kN on crash elements
Overall length	31'242 mm
Vehicle width	3'000 mm
Vehicle height	3'911 mm
Tare weight	54.8 t
Bogie wheelbase	
Power unit	2'100 mm
Trailer unit	2'000 mm
Powered wheel diameter (new)	860 mm
Trailer wheel diameter (new)	680 mm
Diesel engine	MTU, 550 kW
Maximum output at wheel	400 kW
Starting tractive power	approx. 70 kN
Max. acceleration at gross weight	0.9 m/s ²
Maximum deceleration	2.0 m/s ²
Maximum speed	110 kph in operation 96 kph