



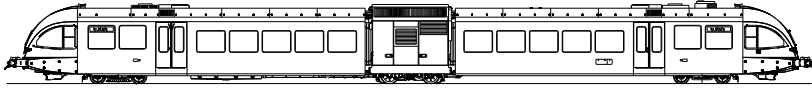
GTW DMU-II 2/6 and GTW DMU-II 2/8

low-floor multiple units for VEOLIA Transport Nederland

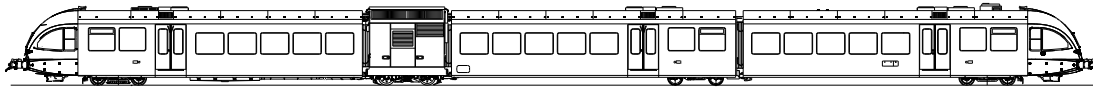
VEOLIA has procured a total of 16 new GTW diesel-electric articulated multiple units, 10 2-car units GTW 2/6 and 6 3-car units GTW 2/8. The GTW trains will be operated by VEOLIA in the Province Limburg in the Netherlands, on the line Nijmegen - Roermond. This generation of GTW trains fulfil the new Dutch prEN 15227 standard with respect to energy absorption in the event of a collision. The trains are accessible for disabled people, equipped with an inner video surveillance system, a closed toilet system accessible for disabled people, a 1st class compartment with 220V connections, an information system using TFT screens and offers space for 2 wheel chairs and 6 bicycles.

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GTW 2/6



GTW 2/8



Technical features

- Bright, friendly interior with large window areas
- Transparent, open interior design
- Air-conditioned passenger and driver compartments
- Closed toilet system with easy access for the disabled
- Stepless passenger compartment with wide doors, low floor section > 75%
- Body structure fulfils the prEN 15227 standard for energy absorption in the event of collision
- 2 / 3 entrance doors per side, equipped with sliding step
- Spacious multipurpose area in entrance sections
- Air-suspended power and trailer bogies
- Ergonomically designed driver's cab
- Traction equipment housed in a separate power car
- Redundant traction chain consisting of two units, each with a diesel engine, asynchronous generator, IGBT power converter and asynchronous drive motor
- Vehicle control system with train bus and diagnostics computer (CAN open bus)

Vehicle Data

GTW 2/6

GTW 2/8

Customer	VEOLIA Transport Nederland	
PTA	Province Limburg	
Lines operated	Nijmegen - Roermond	
Gauge	1.435 mm	1.435 mm
Axle arrangement	2'Bo'2'	2'2'Bo'2'
Number of vehicles	10	6
Service start-up	2007 / 2008	2007 / 2008
Seating capacity 2 nd class	93	159
Seating capacity 1 st class	16	16
Fold up seats	14	17
Floor height		
Low floor	830 mm	830 mm
High floor	996 mm	996 mm
Door width	1'300 mm	1'300 mm
Longitudinal strength	1'500 kN	1'500 kN
Overall length	40'890 mm	55'937 mm
Vehicle width	2'950 mm	2'950 mm
Vehicle height	4'035 mm	4'035 mm
Bogie wheelbase		
Power unit	2'100 mm	2'100 mm
Trailer unit	2'100 mm	2'100 mm
Powered wheel diameter (new)	860 mm	860 mm
Trailer wheel diameter (new)	750 mm	750 mm
Maximum power at wheel	600 kW	600 kW
Starting tractive power	80 kN	80 kN
Maximum speed	140 km/h	140 km/h