



TINA DEN HAAG

HTM Personenvervoer NV,
Den Haag, Netherlands

In December 2022, HTM Personenvervoer NV, transport operator in Den Haag, signed a contract for the delivery of 56 TINA low-floor light rail vehicles, with an option for a further 44 vehicles.

The 3-car bi-directional vehicles are 36.50 metres long, 2.65 metres wide, fully air-conditioned, and can accommodate up to 230 passengers. The vehicles are barrier-free, with no steps and a spacious interior. Maximum ceiling height in the aisles, as well as panorama windows provide a sense of space and an unobstructed view, with the open multifunctional areas offering ample room for pushchairs and wheelchair users.

Four specially designed TINA bogies ensure smooth running and also reduce wear on the wheels and tracks, while the energy-efficient and innovative drive concept of the TINA tram will improve the environmental friendliness of the local public transport system in Den Haag.

The individual driver assistance systems are a significant innovation and include a new type of collision protection system. This will increase the safety of tram operations. The digital UNIBOARD® display adapts to the particular situation, allowing driving personnel to focus on what is important, thus also increasing the level of safety. And the intuitive operability makes TINA a thoroughly enjoyable experience for the driver.

Stadler Rail Group
Ernst-Stadler-Strasse 1
CH-9565 Bussnang
+41 71 626 21 20
stadler.rail@stadlerrail.com

Stadler Bussnang AG
Ernst-Stadler-Strasse 4
CH-9565 Bussnang
+41 71 626 20 20
stadler.rail@stadlerrail.com

stadlerrail.com

STADLER



Technical features

Technology

- Bi-directional light rail vehicle
- Innovative TINA bogies for maximum space in the interior and a high level of travel comfort
- Large wheel diameter

Comfort

- Completely barrier-free without steps or raised bases
- Generous legroom
- High ceilings
- Large panorama windows provide an unobstructed view and unique sense of space
- Excellent travel comfort due to innovative suspension system

Personnel

- The Stadler UNIBOARD® ensures maximum safety and comfort for the driving personnel due to integrated functions, automatic display adapted to the particular situation, simple and fast visual detection and intuitive operability
- Ergonomically designed workplace for an ideal view of the route

Reliability/Availability/Maintainability/Safety

- Innovative shimless wheel wear compensation in the primary suspension
- Redundant control and communication system
- Driver assistance systems, including collision protection system

Vehicle data

Customer	HTM Personenvervoer NV	
Track gauge	1435 mm	
Designation	TINA	
Supply voltage	750 V	
Number of vehicles	56 + 44 optional	
Seats	68	
Tip-up seats	16	
Standing capacity	162	
Floor heights	Low-floor	400 mm
	Entrance	350 mm
Entrance width	1300 mm	
Length	36 500 mm	
Vehicle width	2650 mm	
Vehicle height	3500 mm	
Bogie wheelbase	1800 mm	
Maximum speed	70 km/h	