

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 friend-liness 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

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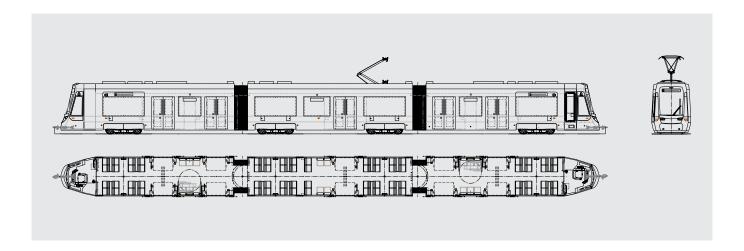
HTM Personenvervoer NV.

Den Haag, Netherlands

#### Stadler Bussnang AG

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# **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

