

Newag SA: Papal train

2007-02-21



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The 14WE-07 Papal Train – general description

The Totus Tuus – the Papal Train – is a 14WE-07 electric traction unit designed for local use. Its compartmentless carriages are connected in a way ensuring maximum safety in motion and can be disconnected for maintenance purposes. Passengers can move freely from car to car. The train has a driver cabin on each end.

An intercom system links the fully-monitored, air-conditioned passenger area with the driver cabin, the passenger section also offers an updated information service, a multimedial system and a photo gallery.

The train is also adapted to the needs of the wheelchair-disabled, including a closed-circuit toilet built and equipped to accommodate handicapped persons.

Interior

All couches, reclining seats, double armchairs are made from vandalproof materials ensuring maximum comfort and durability. Luggage racks are affixed above the carriage windows along the entire length of the car. The cars also have window tables and waste containers.

The cars are also equipped with a multimedial system including cinema screens positioned so that all passengers have an easy view. The system is monitored from a special "studio" equipped with latest control equipment as well as tables and couches seating five people.

Outside monitoring

The traditional outside mirrors enabling an all-round view of the train's surroundings have been replaced by a fully automated external camera system linked to a 14" monitor on the driver's dashboard.

Inside monitoring

The interior is monitored by an independent system of colour cameras in elegant, vandalproof casings linked to three four-socket digital registrators. A panel controlling the external and internal monitoring systems is on the driver's dashboard. The internal system is fully automatic.

Multimedia

The train's multimedia system includes:

- 17" LCD 16/9 panoramic monitors visible to all passengers. The screens are located under the ceiling in specially designed casings.
- DVD players.
- A multichannel audio system with individual listener panels offering presentations in several language versions.
- A control centre.
- Colour camera monitoring at the front of the train.
- Colour camera monitoring in the studio section.
- A speaker system throughout the train.

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