

NTV - Nuovo Trasporto Viaggiatori

Pendolino – Avelia range

NTV chose Alstom for the second time to supply and maintain a further 8 trains. For this second order, NTV acquired Pendolino train with proven reliability and high performance. The order for these new trains confirms NTV’s trust in Alstom’s competence in producing and maintaining high-speed trains.



Country..... Italy

Context..... In October 2015, NTV, Italy’s first private operator, chose Alstom to supply and maintain 8 Pendolino high-speed trains. NTV had already chosen Alstom in 2008 for the supply and maintenance of 25 AGV very high-speed trains (operating speed of 300 km/h). This time, NTV acquired a Pendolino (maximum operating speed of 250 km/h) which satisfies its need for a train with proven reliability, delivered in a short time, and capable of providing excellent performance on both conventional and high-speed lines.

Delivery is planned by 2017. The operator intends to use these additional trainsets to increase the frequency of the services already operating under the .italo brand and to expand its network to new destinations. Today .italo trains are linking 15 stations in 11 cities.

Solution..... Pendolino is part of the Avelia range based on proven technology with more than 1,000 high and very high-speed trains in service worldwide. Since the launch of Pendolino in the 1970s, more than 500 trainsets have been sold to 12 operators, to run in 14 countries and to cross 7 borders. The train is designed to run at up to 250 km/h and optimized for both conventional lines and high-speed lines. Its distributed traction offers a great flexibility in terms of length and number of cars. The 8 trains will be an evolution of the Pendolino produced for PKP in Poland with the following characteristics:

- 7-cars configuration;
- enhanced capacity and comfort;
- improved crash protection and aerodynamic front;
- non-tilting configuration;
- compatible with the latest 2014 Technical Specifications for Interoperability (TSI)*

The trains will be produced and maintained in Italy in accordance with the latest comfort, safety and accessibility standards.

**Common conditions and regulations established by the European Union that contribute to guaranteeing high levels of safety and efficiency.*

KEY BENEFITS

Delivery in a short time

The first Pendolino trainset produced for Poland was delivered only 2 years after the signature of the contract. The objective is to achieve again these very challenging delivery times for NTV.

New design

The front end provides enhanced aerodynamics to reduce energy consumption and improves driver protection.

Sustainable trains

Pendolino trains satisfy Alstom’s policy of environmental sustainability: high recyclability and reduced CO₂ emissions. The Alstom Eco-Design process is applied in all phases of its design.

KEY FEATURES

Number of trains	8
Number of cars	7 cars
Trainset length	187.3 m
Trainset width	2,830 mm
Maximum service speed	250 km/h
Traction	Bogies: 8 motors, 6 trailers Power: 5,500 kW continuous
Voltage	25 kVac / 3 kVdc
Track gauge	1.435 mm
Platform height	550 mm, 760 mm (TSI platform-level access)
Door width	900 mm
Doors	9 per side
Seating capacity	479
Wheelchair spaces	2
Maintenance	20 years maintenance contract



DESIGN

In 2013, the influential British Wallpaper Magazine has included AGV .italo train among the winners of the prestigious Design Award given annually to the most beautiful and innovative products on the market.

This time as well, special care was given to the design of the Pendolino .italo train to evoke art and beauty but also speed and power through generous and athletic shapes.



For more information
please contact Alstom:

Alstom
48, rue Albert Dhalenne
93842 Saint-Ouen, Cedex France

Phone: +33 1 57 06 90 00

Visit us online: www.alstom.com