

Coradia Stream Regional trains

Low-floor electric multiple unit

With its improved modularity, new design, optimal passenger experience and weight savings, the new generation of Coradia regional trains has everything it takes to write the next chapter in a commercial success story spanning more than 30 years.

GENERAL DESCRIPTION

With Coradia Stream, Alstom offers a state-of-the-art, low-floor, high-performance electric multiple unit (EMU) which meets today's demands of Regional & Intercity transport. While the range continues to offer specific technical configurations adapted to the needs of each operator, a drive to improve standardisation has delivered a single, versatile platform on which to build both regional and intercity trains.

The new trains offer a modular design to allow operators to choose the configuration and interior that work best for their market and commercial strategy.

The complete vehicle family is based on three types of cars: driving, intermediate & end car to offer optimised capacity to the operational requirements. The design allows for trains from three to ten cars.

Developed for the European market, the Coradia Stream Regional trains conform to the EN standards as well as to the current TSIs. The modularity of the traction system allows to deliver trains capable to operate under the main European power supply systems.

CUSTOMER BENEFITS

Modularity of train configurations & interiors

The new generation of Coradia trains meets the specific needs of different user groups by providing different areas dedicated for instance to business, corner shop, vending area or simply to silence or socialising. In order to meet passengers' changing needs, seat arrangements can be modified and areas can be adapted.

The different interior layouts allow for different type of luggage and bicycle racks.

Optimal passenger experience

Accessibility is a major factor thanks to wide doors, low-floor access, sliding steps to bridge the gap between the train and the platform and optimized fluidity onboard. Modern on-board information and entertainment systems can be provided to guarantee passengers' greater comfort, safety and travel quality.

Weight reduction & energy savings

The option to compose a Coradia Stream train with longer cars means less weight and less energy per passenger, as well as less maintenance cost.

Aluminium carbody shell and concentrated traction as well as other improvements of the train architecture allow for additional weight and energy consumption reduction.

A single platform for both intercity and regional trains

Coradia Stream bogies, traction systems, brakes and other subsystems can be used either for Regional train running at a maximum speed of 160 km/h or for Intercity train running at a maximum speed of 200 km/h.

The interior can be adapted to either Regional or Intercity requirements. Rail operators can choose similar trains for different applications.

HIGHLIGHTS / KEY FIGURES

- Low-floor train
- A single platform for both Regional and Intercity trains
- Weight reduction & energy savings
- Environmental performance fully integrated at design phase
- Optimized maintainability
- Reliable performance & low life-cycle cost



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Coradia Stream modularity



Some key features

- Short to extra-long trains: 3 to 10 cars
- 1 or 2 doors per car & side
- Wide door opening: 1300 mm
- Access height: 620 or 800 mm
- Concentrated traction
- 1.5 KV DC, 3 KV DC, 15 KV 16 2/3 Hz and 25 KV 50 Hz networks
- Max. speed 160 km/h (Regional) and 200 km/h (Intercity)
- ERTMS compliant
- Fully TSI Loc&Pas compliant
- Cantilever seats
- Static and dynamic passenger information via large displays, video monitoring, mobile radio repeater (optional), WLAN (optional), infotainment (optional)

Intercity Next Generation for NS



- Seating capacity: 256 (5-car) / 417 (8-car)
- Traction voltage: 25 KV AC & 1,5 KV DC
- Max. speed: 200 km/h
- Entrance height: 800 mm

Trenitalia version



- Seating capacity: 227 (3-car) / 305 (4-car)
- Traction voltage: 3 KV DC
- Max. speed: 160 km/h
- Entrance height: 620 mm

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