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SNCF awards Alstom a contract worth €800 million for the supply of 100 Coradia Polyvalent regional trains

The French national operator, SNCF, has awarded Alstom the market of the new generation of single-deck regional trains to modernise and increase the national fleet over the period 2013-2021. The contract includes a firm part worth €800 million for the delivery of 100 Coradia Polyvalent trainsets to eight French regions. The customer's already expressed intention to take up the option for 35 additional trains could quickly bring the contract value to €1 billion. The total volume could eventually reach 1,000 Coradia Polyvalent trainsets up to 2021, for an amount of around €7 billion. The deliveries of the first 100 trains are planned from 2013 and will be completed in 2015.

The highly modular Coradia Polyvalent is a single-decker regional train that offers several technical configurations along with modular fittings for passengers. The train can travel at a speed of 160 km/h in both its electric or hybrid versions and at two different voltages (25 kV and 1500 V). It is also available in a trans-border version for operation on the German and Swiss rail networks at a voltage of 15 kV.

The Coradia Polyvalent has a low-floor allowing travellers optimal accessibility and great visibility strengthening security. Motor bogies are positioned at the far ends of each carriage to reduce vibrations and noise levels. It will consume less energy than its competitors in order to reduce CO₂ emissions and its design incorporates eco-friendly materials. It will be equipped with more compact and more efficient permanent magnet motors which sustain less energy loss than traditional electric motors. The technical choices incorporated into its design will fulfil the dual objective of facilitating maintenance and optimising life-cycle cost.

The new train will be designed, manufactured and assembled in Alstom Transport's facilities in France.

With an average annual growth of 6 %, the French regional rail transport market recorded a 40% increase in passenger numbers since the end of 2002. Every day, 800,000 people travel on 5,700 trains on 260 lines. On the basis of its current growth, French regional rail transport will quadruple by 2030.

Thanks to over 30 years' experience in regional transport, the Alstom Coradia range of intercity and regional trains can provide alternative solutions to sharply increasing road and motorway traffic and to continuing urban expansion. Alstom has sold its Coradia trains to nine European countries and has built, in its French, German and Italian plants, more than 3,000 regional trainsets, which have already covered a total of over 4 billion kilometres.

Specifications

Modularity:

- **Two power options:** electric or hybrid
- **Three lengths:** 110 m, 72 m, 56 m
- **Three comfort standards:** interurban, regional, intercity
- **Interior fittings:** over 50 customization options

Maximum speed: 160 km/h

Maximum capacity: up to 1,000 seats (3 long-version trainsets)

Three voltage supplies: 25 kV and 1500 V; 15 kV for transborder versions

On-board communication system: video screens, dynamic announcement and voice message systems

Consumption and CO₂ emissions: savings of 10% to 20% depending on operating conditions

Recyclability: 92% recoverable materials

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