

A contract worth €175 million in Switzerland

Alstom to supply 47 locomotives to SBB Infrastructure

13 November 2015 – Alstom has been awarded a €175 million contract to supply 47 dual-mode locomotives to SBB Infrastructure¹ in Switzerland. The locomotives, to be used for track works on SBB's rail network and for shunting in the shunting yards of Lausanne Triage and Limmattal, are scheduled to enter commercial service in 2018. The 47 locomotives will be manufactured on Alstom's site in Belfort, France. The project management will be carried out in Switzerland.

The locomotive for SBB Infra belongs to Alstom's new Prima H4² dual-mode platform for shunting and track works. The locomotive runs at speeds of up to 120 km/h which allows easy integration into mainline traffic flow. The Prima H4 bi-modal locomotive is powered by an electric traction system and two diesel generators. The two power generators, coupled with an automatic start-stop system, enable a 20% reduction in fuel consumption compared with a single engine diesel locomotive. The locomotive has been designed to optimize maintenance cycles, thus reducing life cycle costs. It is fitted with ETCS.

Particular attention has been paid to the design of the driver cabin. The large cabin (up to 4 people) has been conceived as a "working and waiting space" as track workers will not only be travelling aboard the train, but also spend time in the cabin while working on construction sites. The cabin is equipped with an HVAC³ system and storage space for the personal belongings of the train crew. It is also protected against vibrations and air pressure when entering tunnels.

"Alstom has been the best to fulfil the award criteria of our public invitation to tender. The new and more powerful vehicles will allow us to cope with the increasing construction and maintenance volume with less vehicles and in a more efficient way. Thanks to its improved energy efficiency, Alstom's Prima H4 will allow SBB Infra to reduce its CO₂ emissions by up to 6,000 tons per year," says Désirée Baer, Member of the Managing Board of SBB Infrastruktur.

¹ SBB Infrastructure is responsible for operating, maintaining and developing 3000 km of Switzerland's railway infrastructure

² Four axles in two individual bogies (BoBo configuration)

³ heating, ventilation and air conditioning

“We are pleased to have been selected by SBB Infra for this important contract. With Alstom’s Prima H4 locomotive, which is derived from a modular concept, SBB Infra will see its operating, energy and maintenance costs reduced,” says Herman Van der Linden, Alstom Managing Director in Switzerland.

About Prima

The Prima range is covering all market segments of locomotives from heavy-haul (mostly in China, Kazakhstan, Russia), freight and passenger operation (Europe, Africa, Middle East, CIS) and shunting or trackworks operation (Europe). The Prima brand stands for innovative traction solutions, including electric or diesel-electric traction systems, as well as hybrid or bi-mode systems.

About Alstom

As a promoter of sustainable mobility, Alstom develops and markets systems, equipment and services for the railway sector. Alstom manages the widest range of solutions in the market – from high-speed trains to metros and tramways – and associated maintenance, modernisation, infrastructure and signalling solutions. Alstom is a world leader in integrated railway systems. It recorded sales of €6.2 billion and booked €10 billion of orders in the 2014/15 fiscal year. Headquartered in France, Alstom is present in over 60 countries and employs 32,000 people today.

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