

Nexans



Cabling solutions
at the core of Rolling Stock projects



TRAXX locomotive - Bombardier

Project description:

- Power, control and data cables for the modular TRAXX locomotive platform, which meets the different requirements in Europe.

Customer challenges:

- Develop innovative, affordable, standardised and modular electric and diesel-electric locomotives,

which must offer outstanding reliability with long-term availability and excellent maintenance and operational economy.

Nexans solutions:

- Cable design-in in close cooperation with the customer.
- Delivery of all power, control and data cables (90% of all cable needs).





TGV - Alstom

Project description:

- TGV is a high speed train, with commercial operation speed up to 320 km/h. TGV-technology is used in many European countries and in Asia, with more than 500 trains in operation. There are simple and double-deck (duplex) versions.

Customer challenges:

- Develop a very high speed train which can carry more passengers and at the same time look for space saving and weight reduction.

Nexans solutions:

- Nexans delivers 70% of the cables, including power, control, data transmission, jumper cables, light weight aluminum power cables, roof HV pantograph cables.





ÖBB railjet - Viaggio Comfort - Siemens

Project description:

- The ÖBB railjet (7 passenger coaches configuration) is faster, more modern and more comfortable than any other train which is at present in use in Austria. The 67 trainsets will operate between Zurich on the west axle between Vienna and Bregenz as well as between Budapest and Munich up to a maximum speed of 230 km/h.

Customer challenges:

- Develop an outstanding premium train on a modular-base for ÖBB with very low cost per kilometer and seat. New flagship train for ÖBB in their high-speed-segment with excellent comfort and service.

Nexans solutions:

- Supply of power, control and data cables for the first 23 trains between 2007 and 2009.





AGC - Bombardier

Project description:

- AGC is Bombardier's newest generation of low floor trains for urban and suburban transport. They have a typical 3 or 4 carset configuration with 160 to 220 seats, operating at 160 km/h.

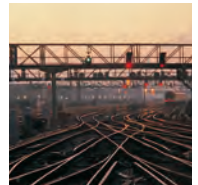
Customer challenges:

- Rising to the challenge of increasing commuter transport demands, Bombardier

is developing a new generation of high-performance trains. These trains achieve efficient journey times despite frequent stops, while ensuring excellent availability to minimize interruptions.

Nexans solutions:

- Nexans delivered 90% of the cables, including power, control, data transmission and jumper cables.





BSP EMU - Bombardier

Project description:

- Bombardier Sifang Power is to provide 800 cars for China's state-of-the-art High Speed Trains - CRHS (China Rail High Speed), the most advanced high speed train made in China. Delivery has started and will continue until 2010.

Customer challenges:

- BSP is highly demanding on performance, lead times, and cost.

Nexans' solutions:

- To be closer to the customer with local resources and global expertise, Nexans proposes a complete Rolling Stock product offer, including all control/data communication cables and partial power cables to equip CRHS for high speed rail transportation.





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EVERY CABLE THAT MAKES A TRAIN ROLL

With energy as the basis of its development, Nexans, the worldwide leader in the cable industry, offers an extensive range of cables and cabling systems. The Group is a global player in the infrastructure, industry, building and Local Area Network markets. Nexans addresses a series of market segments from energy, transport and telecom networks to shipbuilding, oil and gas, nuclear power, automotive, electronics, aeronautics, handling and automation. With an industrial presence in 39 countries and commercial activities worldwide, Nexans employs 22,400 people and had sales in 2008 of 6.8 billion euros. Nexans is listed on NYSE Euronext Paris, compartment A.



Global expert in cables and cabling systems

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