

5L next –
next generation of
freight wagons.

Low-noise wheelsets.

BVV GmbH

BVV low-noise wheelsets for freight transport.



BVV low-noise wheelset.

5L next – next generation of freight wagons.

Market changes, such as the fast-paced innovation on the roads or rising customer demands, are posing major challenges for European rail freight companies. But opportunities opened up by new technology offer great potential for developing the efficiency of freight services.

Innovative freight wagons are key to being able to take full advantage of the Internet of Things (IoT) and automation. As part of the 5L initiative, SBB Cargo, Hupac, VTG and the Federal Office for the Environment (FOEN) as well as many suppliers are developing the next generation of freight wagons.

The next generation is being completely redesigned. The chassis, for example, is considerably lighter than that of a conventional standard flat wagon. The middle segment is not welded but riveted and bolted – just like the lightweight production methods from the lorry sector. SBB Cargo's extensive modernisation steps offer major benefits for customers, wagon keepers, railway undertakings and infrastructure.

At the 5L exhibition, you will find lots of additional information about the next generation of freight wagons. Find out more at www.sbbcargo.com/innovation

Contact.

SBB Cargo AG, Olten, Switzerland
media.relations@sbbcargo.com / www.sbbcargo.com

BVV low-noise wheelsets with innovative noise reduction components.

In the context of the 5L project the Bochumer Verein Verkehrstechnik GmbH equipped four freight wagons with innovative noise absorbing wheelset components:

- the use of a special stressbalanced wheel contour
- the coating with Relest® New Generation, the special development of BASF
- the use of 8 wheelnoise absorbers per wheel on the internal side of the wheel

These measures ensure a significant decrease of noise pollution to measured values between 73 75 dB.

Economical freight transportation and low noise emission are therefore not a contradiction – good news for the operator, a better one for people and the environment.

Company.

The Bochumer Verein Verkehrstechnik GmbH is an internationally leading manufacturer of quality wheels and wheelsets for local, long-distance and freight traffic. From concept to the finished product, BVV develops, designs, inspects and manufactures complete wheelset systems and individual wheelset parts according to customer requests. One of the technically most advanced developments within 175 years of company development are resilient, light and quiet wheels as well as different designs of single-piece forged axles for modern low-floor streetcars. Wheelset systems of the Bochumer Verein are used in city rail-ways, street cars and subways, metros and suburban trains or regional trains as well as in high-speed trains, long-distance trains, engines, regional railcars as well as freight cars.

Contact.

BVV GmbH
Marketing, Sabine Bühlbecker
Alleestraße 70, D-44793 Bochum
Tel.: +49 234 6891-547
buehlbecker@bochumer-verein.de
www.bochumer-verein.de