



**SBB CFF FFS Cargo**

## 5L next – next generation of freight wagons.

DRRS 25LD bogie - quiet and energy  
efficient.

ELH Waggonbau Niesky GmbH

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## 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. Find out more at [www.sbbcargo.com/innovation](http://www.sbbcargo.com/innovation)

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**The DRRS 25LD bogie is quiet and energy efficient and permits the use of various brake systems. Axle loads up to 25 t and speeds of up to 160 km/h can be achieved. Due to the modular design the DRRS 25 LD bogie can be replaced with the Y25 bogie.**

The DRRS 25LD is quiet, energy efficient, maintenance friendly, protects the track and wheels and is cost effective. The DRRS 25 LD bogie permits the use of various brake systems, such as rod, compact or disc brake systems. In addition to the ability to use different brake systems, a range of axle loads can also be implemented (up to 25 t AL). Depending on the axle loads and the brake systems, we can achieve speeds of up to 160 km/h with our DRRS bogie. The DRRS 25 LD bogie (disc brake), which has been optimised in terms of running dynamics and weight, can be replaced with the Y25 bogie due to the modular design. The simple and cost-effective construction also offers our customers considerable added value over conventional bogies. Our goals for the further development of our bogie were reducing noise, saving energy and CO<sub>2</sub> and reducing wheel-on-rail wear.

### Company.

The ELH Waggonbau Niesky GmbH can look back on 100 years history in the field of railway vehicle production. A workforce of 300 skilled and experienced employees develop and manufacture freight wagons for special transport and logistics applications. Body frames of passenger coaches are also part of our portfolio as well as components for the track vehicle industry. ELH Waggonbau Niesky GmbH is the market leader in Germany and one of the leading freight car manufacturers in Europe through innovation, quality work and the reliability of their products.

### Contact.

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