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SWS-PowerBox - Innovative rail transport solution . Driven by the problem of no solution, we have developed the SWS-PowerBox over the last several years. It is a unique, global and almost maintenance-free system, which enables climate-neutral energy supply of cooling units on rail freight wagons as well as their complete digital monitoring.

In the shape of the SWS-PowerBox, VTG is adding to its offerings to deliver temperature-controlled rail transport. Mounted on the wheelset, a hydraulic pump and attached generator produce power while the train is moving.

Die SWS-PowerBox ist ein autonomes und mobiles Stromsystem für die Stromversorgung von Containertragwagen und Doppeltaschenwagen. Das System ist bereits entwickelt und wurde im Sommer 2021 an drei Wagen der VTG in Zusammenarbeit mit Kunden erprobt.

The SWS-PowerBox is a unique solution for transporting temperature controlled goods, such as fruits, vegetables, frozen products, etc., as well as medical or technical products, to ensure a seamless cold chain by rail.

SWS-PowerBox is an invention which fulfills all the ESG criteria and can be seen as a 100% green investment. Utilisation of the SWS-PowerBox kinetic energy results in an LLP\*: With low maintenance costs & long maintenance intervals Without fuel consumption = no emissions cost No lack of staff/drivers 1 train = 1 driver = several wagons

The SWS-PowerBox can be mounted on 80" and 90" container wagons double pocket wagons. Its steel exterior contains the entire power supply system. A hydraulic pump mounted on the wheelset drives a generator, transforming kinetic energy into electrical energy. This electricity is channeled into the temperature power units and charges the ...

Discover our wagon for containers and swap bodies with environmentally friendly power supply from the SWS-PowerBox®. Ideal for temperature-controlled transportation by rail.

The so-called SWS-PowerBox® ensures an autonomous energy supply on the electrified wagon. A hydraulic pump and attached generator mounted on the wheelset converts kinetic energy into electrical energy, which is then used to supply the temperature control ...

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