

The data-driven path towards net-zero logistics roof systems

ZF and shipzero enable a new level of climate action in road freight operations

THE CHALLENGE

Emission reduction in road freight operations is hard to achieve due to a fragmented market and unbalanced incentives in the value chain. The carrier's processes are disconnected from the planning and procurement decisions of large shippers. Carriers need to adhere to the requirements of the shippers. ZF brings unmatched fleet orchestration and vehicle diagnostics expertise, and shipzero provides freight order data as a neutral player with an accredited emission calculation engine.

THE SOLUTION

ZF's commercial vehicle division and shipzero have developed cloud-native data platforms tailored to complimentary use cases within the logistics industry. ZF's fleet solutions enable transport operators to have comprehensive control over their internal operations, while shipzero's decarbonization platform merges shipper-side transport order data with real-time information from trucks. By uniting these information assets, ZF and shipzero are able to provide logistics operators with a new level of insight that can be used to make more informed decisions about their operations. This can lead to improvements in sustainability, efficiency, and profitability.

IMPACT

Together with Kube & Kubenz - a specialized road freight carrier for liquid hazardous goods - a precise carbon footprint of each individual transport step of operations was developed. This data basis was used to optimize operations, and save emissions. Furthermore, the results are the compliant data basis for market leaders in the chemical and oil & gas industries. They facilitate green logistics services in their scope 3 emissions through proven records of bio-fuel usage and unbiased, data-driven inputs for planning and procurement decisions making.

SHIPZERO

Shipzero streamlines gathering and analyzing compliant emissions data for logistics processes. It channels various supply chain data sources in one solution.

Shipzero is primarily targeting customers in the Automotive, Manufacturing, Chemicals, or FMCG industries. Their focus is on applications in business areas such as logistics and sustainability.



HEADQUARTERS

Germany, Hamburg

FOUNDED

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NO. OF EMPLOYEES

11 – 50

WEBSITE

shipzero.com

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ABOUT STARTUP AUTOBAHN

STARTUP AUTOBAHN powered by Plug and Play is an open innovation platform that provides an interface between innovative tech companies and industry-leading corporations. The basis of the program is the partnership that develops between startups and the corporate business units. The two entities hold an equal footing from the get-go: together they evaluate the potential for a joint venture, move forward to pilot the technology, and work to achieve the ultimate goal – a successful production-ready implementation. Designed with the intention to exceed startup acceleration, STARTUP AUTOBAHN powered by Plug and Play moderates a community for collaboration with a focus on implementable results. Over the years, the platform has successfully cultivated over 400 projects with more than 300 startups since its founding in 2016.