

Driving tomorrow's logistics through data exchange and new digital services

Michael Schäfer, Managing Director of the Mobility Data Space: "Sustainable logistics needs a wider range of data"

Munich, 11.10.2022. Rising energy prices, congested waterways and clogged roads are forcing us to rethink logistics. We need solutions that are more sustainable, safer and more reliable, and digitization is the key to making this possible. Michael Schäfer, Managing Director of Mobility Data Space (MDS), says: "Overarching coordination of freight and goods transport is essential for improving efficiency, resilience, and environmental and climate protection. Optimization within a specific industry or product group, or for a specific mode of transport, is no longer enough if we want to fully exploit the existing potential." He advocates greater digitization of logistics that draws on a broader range of data - and that's exactly what the Mobility Data Space can do.

"We are seeing more and more supply chain disruptions and delays in just-in-time deliveries due to congested highways. Although just-in-time is a good concept, it is jeopardized by over-reliance on trucking. To avoid risks and reduce economic costs and environmental impact, we need more distribution centers that can also accommodate goods delivered by rail or water," says Michael Schäfer, managing director of the operating company DRM Datenraum Mobilität GmbH. He sees great opportunities for the logistics sector and the German economy as a whole in collaborative freight digitization.

Sustainable logistics can become the engine of the economy

"Using artificial intelligence to support warehousing and supply chain coordination can strengthen logistics companies. These services would be available to large and small companies alike, and would also appeal to new audiences. Better, more climate-friendly, sustainable and cost-effective logistics could also lead to production increases, including partial reshoring from Asia, and give Germany and Europe a competitive edge," Schäfer said. "Sustainable and future-proof logistics could even become an export hit."

Creating economies of scale through collaborative logistics optimization

"This requires a comprehensive package of digital services that optimize various aspects of transport and warehousing. Artificial intelligence will determine the optimal routes, the best mode of transport for both long-distance and last-mile transport, and the most suitable warehousing solutions - all from a total system perspective that includes all product groups and modes of transport. This involves calculating fuel and energy costs, environmental and climate impacts, risks and opportunities for risk avoidance, and much more," said the MDS CEO. "The major online retailers are already doing this to some extent, but they are only optimizing their own supply chains. A broader perspective is needed to make the entire logistics system more sustainable for everyone, including companies that have already optimized their own operations. As far as the optimization process is concerned, it makes no difference whether you are transporting shrimp or construction steel - everything is optimized together using the same algorithm. This prevents empty runs, minimizes bottlenecks and reduces emissions.

Efficient logistics requires a trusted platform for thousands of different data sources

According to Schäfer, we in Germany and Europe need to change our attitude toward data sharing. We can only take advantage of economies of scale if we allow others to access our data. The Mobility Data Space enables participants to exchange data in a trusted environment, on their own freely negotiated terms. This online marketplace for sharing mobility-related data offers information about current orders, transportation and storage capacity, tracking data, weather data and more in the form of a catalog. "The data is not delivered by the Mobility Data Space itself - data providers and data users negotiate who gets the data, what data they get, on what terms and how the data is delivered," Schäfer points out. "For example, you could make the data

available only to IT service providers, whose AI algorithms process and refine the data and recommend optimizations for multiple customers."

The Mobility Data Space is thus an enabler for the logistics of tomorrow - and it is ideally equipped to meet this enormous challenge. "Our cloud-based data exchange platform makes it possible to keep pace with the demands of the market, because the area-wide optimization of logistics requires large volumes of demand, availability and mobility data, as well as information on criteria such as perishability and safety requirements. Since the MDS complies with European data room standards, data can also be exchanged internationally."

The MDS: a platform for logistics pioneers who want to drive change

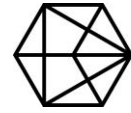
According to Schäfer, the platform is a great opportunity for companies looking to break out of their silos and gain and maintain a competitive advantage. "MDS is the most developed marketplace for mobility-related data in Europe, making it the ideal platform for mobility innovators and logistics pioneers who want to drive change for themselves, their customers and society as a whole."

www.mobility-dataspace.eu



Image: MDS Managing Director Michael Schäfer (Source: DRM Datenraum Mobilität)

The printable image file can be found [here in the media data space](#).



Contact Mobility Data Space

DRM Datenraum Mobilität GmbH
c/o acatech – Deutsche Akademie der Technikwissenschaften e.V.
Catrin Schlatmann
Karolinenplatz 4
80333 Munich
Germany
Tel.: +49 89 520309-886
Mob.: +49 151 52816662
Catrin.Schlatmann@mobility-dataspace.eu
www.mobility-dataspace.eu

PR agency

Press'n'Relations II GmbH
Ralf Dunker
Gräfstr. 66
81241 Munich
Germany
Tel. +49 89 5404 722-11
Fax +49 89 5404 722-29
du@press-n-relations.de
www.press-n-relations.com

About the Mobility Data Space:

The Mobility Data Space (MDS) is a data marketplace where partners in the mobility sector can exchange data on their own terms in order to enable and develop innovative, environmentally and user friendly mobility concepts. The technical design of the MDS is being implemented in close coordination with European and national initiatives to ensure compatibility with the projects of Gaia-X and other European data spaces. The Mobility Data Space's operating company – the non-profit organisation DRM Datenraum Mobilität GmbH – grew out of a project initiated by acatech – National Academy of Science and Engineering. The MDS is funded by the Federal Ministry for Digital and Transport.

The operating company's partners are the Förderverein of acatech – National Academy of Science and Engineering, BMW INTEC Beteiligungs GmbH, Caruso GmbH, Deutsche Bahn AG, Deutsche Post AG, HERE Europe B.V., HUK-COBURG Haftpflicht-Unterstützungs-Kasse kraftfahrender Beamter Deutschlands a.G. in Coburg, Mercedes-Benz AG, Volkswagen Group Info Services AG and the states of Bavaria, Baden-Württemberg and North Rhine-Westphalia.