DB SCHENKER

Innovation Insights

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DB SCHENKER

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Innovation Insights

Dear all,

Did you know that the first 3D printer was invented by Chuck Hull in 1984? - Hull, developed the stereolithography technology, which made it possible to print three-dimensional objects by depositing materials layer by layer for the first time. Today, the 3D printing technology has become an important tool in many industries, from medicine and aviation to the automotive industries.

Following this as one of the major trends for logistics, DB Schenker has developed the first digital warehouse in the industry, storing 3D printable spare parts in a digital format. Beyond this, DB Schenker launched and drives forward several projects and initiatives to foster innovative approaches and shape supply chains in a sustainable, efficient and digitalized way.

With this edition of Innovation Insights, we would like to give you further impresssions of innovation and digitalization activities at DB Schenker. Among other projects, our cooperation with Avatour, the first operating 40-ton hydrogen truck and a highly automated e-commerce logistics hub mark important milestones to make DB Schenker future-proof.

We are very pleased to provide you with these and many other projects and initiatives currently going on at DB Schenker.

Enjoy reading and always stay #hungryforinnovation

DB Schenker's Global Innovation Team

The Digital Warehouse

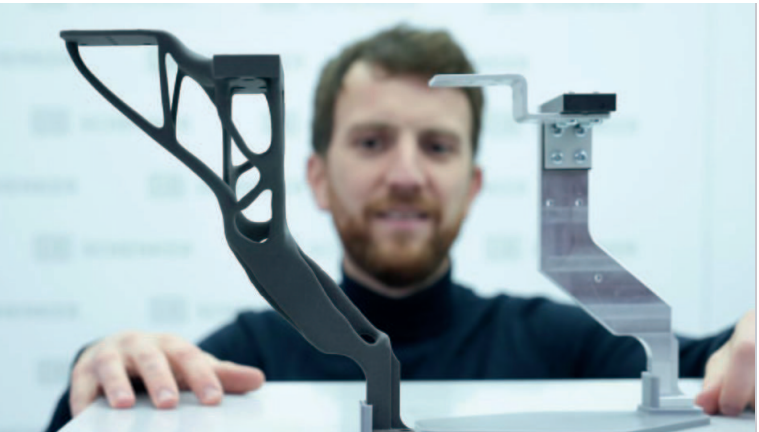
On-demand-production service by DB Schenker

Supply chain disruptions have been proven an essential risk factor to many companies over the last few years. Customers have huge challenges with short term availability and lead times, which results in very high costs. In this environment, a new spare parts solution based on 3D printing is introduced by DB Schenker to face the supply chain challenges of today: Digital Warehousing.

But what is digital warehousing? How does it work? And how can a logistics company apply 3D printing?

The digital warehouse is a concept based on storing parts in a digital format instead of in physical storage. When there is a demand, instead of sending the part physically, the parts can be sent digitally to a de-central production facility where the parts can be produced on-demand at exactly the amount that is needed.

On the surface, it is a platform that stores and access data. In the background, it acts like an independent broker, offering parts globally from a network of specialized sub-contractors who build the spare parts for the customer. With its on-demand production (ODP) service, DB Schenker coordinates suppliers to make the process seamless for customers and to ensure they receive parts on time, at the right location and with the required quality.



How to start?

The ODP team offers a customer consultancy throughout the whole implementation process in a structured, efficient, and timely manner. With the so called “part screening” customers are supported in choosing the right 3D printable parts as well the digitization of parts. In parallel, ODP’s experienced service team helps to integrate a complex, global 3D printing ecosystem into existing procurement processes.

What is the current state and the future of digital warehousing at DB Schenker?

One year after the market launch of the digital warehouse, projects with eight different companies from the automotive, railroad and industrial sectors are already ongoing. Currently, digital warehousing is used in the profitable niche for spare parts. Similar to Amazon, who started by delivering books and expanded their offering as we know it today, the ODP team expects to expand its concept. For non-3D-printable parts, it will be possible to use other technologies for on-demand production services in the future.

Curious to know more? Follow the ODP LinkedIn page or get in contact with **jochen.look@dbschenker.com**

Tracking via Sticker

DB Schenker uses ultra-thin high-tech labels for shipment tracking

Tracking technology as a sticker: DB Schenker is the first logistics provider from Europe to offer global tracking of freight shipments with the new ultra-thin tracking label by high-tech developer Sensos. The disposable label can be attached to containers, pallets, or individual cartons, enabling shipment tracking for land, air and ocean transport on a single shipment base.

“Tracking technology now fits into a millimeter-thin sticker. The Sensos label is so small and lightweight that it can be used for freight of any size. In conjunction with DB Schenker’s IoT solution connect2track, it offers optimal visibility and condition monitoring of consignments. This significantly improves the existing offering for our customers and makes tracking even more flexible and secure.” **David Pollender** - Product Owner Business Development IoT at DB Schenker

“We took on the mission to disrupt the world of supply chain by delivering infinite end-to-end parcel level visibility. Our solution enables data-driven execution, optimizing logistics for various use cases. We are grateful to have DB Schenker as a design partner from the early days, and for their contribution in achieving the product market fit.” **Aviv Castro** CEO of Sensos

Real time data with tracking via sticker

The label sends real-time data about location and temperature over the mobile network. The customer receives an alert if the package is tampered with during transport. The unobtrusive design of the label increases security for valuable consignments as it does not draw attention, and the tracking remains undetected. The disposable label is equipped with a lithium-free battery that emits less CO2 in production than conventional batteries and achieves runtimes of up to six months despite its small size. Due to its low weight, the label consumes less energy during transportation, and return shipping is no longer necessary. DB Schenker was one of the first design partners of Sensos, a group company of the Sony Semiconductor Solutions Corporation, and contributed to the product offering. As part of this process, the global logistics service provider helped define requirements and tested the Sensos solution in a pilot phase with land and air freight prototypes.

DB Schenker’s Internet-of-Things platform connect2track enables customers to monitor a consignment’s location and condition (e.g. temperature and humidity). It offers a continuously calculated estimated time of arrival based on real-time data, increased security through opening alarms and increased efficiency through supply chain optimization.

Avatour - Experience the World of Logistics without Traveling

DB Schenker is pioneering VR warehouse tours

Innovation has always been a part of our DNA. Therefore, DB Schenker has partnered with Avatour to continuously add value to our customers worldwide. Exceeding a standard video conference, Avatour provides remote users with the power of the full picture and the freedom to choose their point of view within a VR session. The platform uses real-time mobile 360° video capture technology that can be accessed easily via devices like laptops and VR goggles. Using your own 'avatar', the technology allows participants to get close to the operations and interact with up to 25 other participants in one session. Since 2021, DB Schenker has successfully offered Avatour to 25+ top customers covering more than 30+ sites in 25 countries.

There are two different streams of conducting VR tours — live and recorded. The benefit is that Avatour is offered as an exclusive service to top customers and train operational staff virtually, which differentiates DB Schenker from the competition.

By improving the health and safety of the employees as well as partners, while reducing the carbon footprint, DB Schenker contributes to achieving the corporate ESG vision.

"Great tool to use, especially under current circumstances" – **Unilever, UAE**

"Fantastic tool and a great opportunity to visit the operations and see our site again after two years. But also, after "Corona," it will be easy to understand and share topics from the shop floor level by doing virtual Gemba walks" – **Hilti, Poland**

Click here to find out more about Avatour.

Who to contact in case of a demand?
Hassan Sabeeh
Customer Experience (CX) / Marketing
Global Contract Logistics
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First 40-ton Truck with Hydrogen Power in Operation

DB Schenker starts into the hydrogen era

DB Schenker is the first logistics service provider in Germany to operate a fuel cell electric vehicle (FCEV) in the 40-ton class.

DB Schenker celebrated the next milestone in their mission for green logistics with the start of the first hydrogen-powered semitrailer tractor approved for regular operations in Germany. The fuel cell truck is retrofit by Hyzon and is being operated by DB Schenker's Cologne branch for daily service between Cologne, Germany and Eupen, Belgium.

The Hyzon semitrailer tractor has a range around 400 kilometers. It also comes with another benefit, being that it can be refueled within around 15 minutes.

The hydrogen era for DB Schenker

Fuel cell electric vehicles are a part of the DB Schenker strategy to decarbonize land transport. The collaboration with partners on this topic is key to get more hydrogen on the roads. With no vehicles, there was no economic basis to establish infrastructure, without infrastructure, it wasn't sensible to invest in vehicles. Together with its partners DB Schenker was able to end this cycle by ordering and now beginning to operate fuel cell electric vehicles. This truck is an exciting opportunity for DB Schenker to help pioneer the future of land transport.

Logistics4Startups

Get logistics right - from the start

Logistics4Startups is a DB Schenker initiative to support startups' logistics as their logistics partner of choice. The program is specifically designed for the needs of emerging companies allowing them to concentrate on their core activities.

The experts at Logistics4Startups offer the right mix of tools and support to build a sustainable logistics system. This service allows startups to achieve higher customer satisfaction, increased market growth and higher chances to outperform competitors. Whether startups cope with single item transports or large-scale shipments, the focus is on providing startup-tailored services. This implies agile and customizable solutions to be able to react to changing needs. From a corporate perspective, the advantages are evident as Logistics4Startups makes DB Schenker future-proof by winning the large customers of tomorrow. While tracking the logistics needs of startups, the program also serves as early indicator for market trends. Overall, Logistics4Startups contributes to the positioning of DB Schenker as innovation leader. Therefore, the center of the program are startups with high growth potential and developed prototypes focusing on hardware solutions.

Currently, the program concentrates on Germany in collaboration with Field Sales Germany Güstrow. The next steps include the extension of the project scope within Europe. Already today, Logistics4Startups connects creative leaders and strives logistics excellence, paving the way for more innovative operations. Following the guiding principle **"You have dreams – We have the means"** this program holds the potential to establish mutually beneficial partnerships for the future.

Reach out to **startups@dbschenker.com** in case you are interested or have further questions!

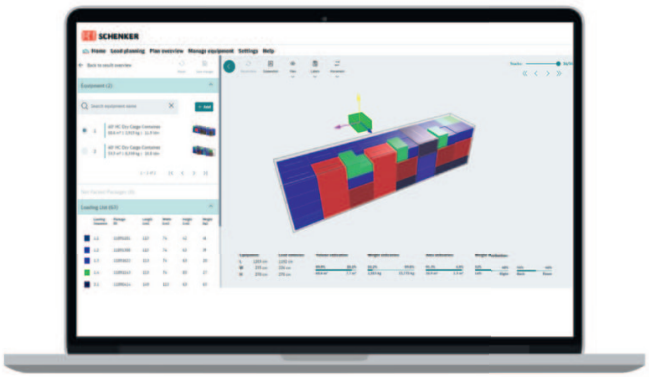
BinPACKER – Playing 3D Tetris in Logistics

Using algorithms for optimized use of transport units

Tetris is probably one of the most popular computer games of all time. The perfect stacking of differently sized objects within a certain time has indeed much in common with logistics and our work. The in-house developed BinPACKER tool combines Tetris and logistics and helps us to become even more efficient.

Why BinPACKER?

One of the biggest challenges in transportation is the optimal use of a transport unit such as a container, truck, or pallet and thus, the minimization of empty space. This has a direct impact on transportation costs and CO2 emissions. Packages can be stuffed in various ways, and the theoretical number of combinations increases significantly with the number of packages and the types of equipment available.



In addition, there may be dependencies in the combination of goods that must be considered. Planning all this manually requires an enormous effort and a lot of time.

How does it work?

BinPACKER automates these tasks by means of optimization algorithms. This does not only lead to better results and thus, to a reduction of empty space and transportation costs but also reduces the manual planning effort considerably.

The BinPACKER is made for various user groups working in planning, operations, or on quotations. In addition to container load planning, BinPACKER can be used for other applications such as the calculation of truck loading meters or palletizing of unit loads or mixed loads.

The optimization algorithms of BinPACKER are embedded in a user-friendly web-based tool with interactive 3D visualizations. An API supports the integration with transport or warehouse management systems and other applications.

Watch the video to discover how the BinPACKER solution optimizes the use of transport units.

Fernride Deployment at the DB Schenker Branch in Tilburg

DB Schenker integrates teleoperated shunting truck into their yard processes

In the last eight months, the Global Innovation project team conducted a deployment with the startup Fernride at the DB Schenker land transport branch in Tilburg. The aim of this deployment was to integrate a teleoperated shunting truck for trailers into the yard processes and operate it for four weeks in an 8-hour shift. Combining the skills of truck drivers with autonomous technologies, teleoperation is the remote control of automated or manual vehicles using the cellular network. It enables human intervention and assistance of the vehicle from afar.

Before starting the operational phase of the deployment, several preparatory steps were necessary. Firstly, a thorough process analysis was conducted to identify and evaluate the necessary configuration requirements for the truck. Subsequently, the truck was customized according to the specified requirements with focus on safe operations. The third phase of the pilot started earlier this year with the arrival of the truck in Tilburg.

The deployment was facilitated by setting up the system on-site and testing its functionality. During the four-week operative testing phase, the remotely controlled truck received productive transportation orders and carried out shunting activities alongside manually operated trucks, demonstrating its technical and operational feasibility.

Over the course of the four-week period, the success criteria and predefined key performance indicators (KPIs) were consistently met. As a result, the deployment was deemed successful with notable achievements. It has proven the feasibility of the technology during rush hours, mixed & heavy traffic and snowstorms with all tasks carried out successfully, on time and without any accidents.

In March, a demo day was conducted in Tilburg to conclude the deployment, showcase the technology and present the results to the Land Transport Management team. As a next step, DB Schenker and Fernride are currently evaluating possible further steps for a rollout.

Automated E-Commerce Logistics Hub

DB Schenker implements groundbreaking e-commerce logistics hub in Spain

The operations in the 50,000 m2 state-of-the-art warehouse in Guadalajara have started with 150 employees on newly created jobs, more than 200 robots and an optimized packaging system. The site is equipped with a Goods-to-Person picking system to handle around 55,000 units per day using Autonomous Mobile Robots (AMR) provided by Geek+, the global leader in AMR technology. The system features innovative pick-and-pack solutions for a fast and flexible online-order fulfillment and efficiently deal with returns.

Alfredo Alcalá, DB Schenker's Contract Logistics Product Manager in Iberia, said: "DB Schenker is committed to serving the e-commerce sector with its innovative power and proven reliability. The automated solutions of our Guadalajara operations were installed in a record time of only four months and already proved their stability and flexibility around Black Friday and the Christmas season. We are proud to meet the expectations and the confidence of a customer as important as adidas."

An automated conveyor system ensures on-time processing and fast delivery times to establish the best customer experience for adidas, a global leader in the sporting goods industry and DB Schenker's leading customer in this site. In order to optimize the volume of parcels and utilization of transport vehicles, packaging is adjusted to the exact size of the product that is shipped through an automated solution. This results in reduced CO2 emissions throughout distribution.

A privileged and sustainable location

The logistics hub is certified 'BREEAM Very Good', aligning with sustainability as a strategic priority for DB Schenker, which seeks to grow in an environmentally friendly way and is committed to innovative and low-impact digital solutions. Among other features designed to protect natural resources, the warehouse combines skylights with high-tech LED systems and natural ventilation.

The state-of-the-art warehouse is situated in the Henares industrial park, strategically located 50 kilometers from Adolfo Suárez Madrid-Barajas airport and 60 kilometers from the center of Madrid with a connection to the main A2 and R2 highways. In addition, the flexibility of the warehouse design and technology, hightech automation systems, plus the creation of jobs make it an excellent reference in Spain and Europe.

Watch the video about how DB Schenker innovates e-commerce logistics.

NxtLog
Net-Zero Logistics Networks

Sign up for a free trial now!

Transport emissions contribute significantly to climate change. As companies will soon be required to report on their emissions, it is crucial for them to reduce their impact on the environment.

That's where NxtLog comes in – this innovative solution combines existing transport data, decades of sustainability knowledge, and cutting-edge technology to create net-zero transport networks for DB Schenker customers. A pilot with a leading semiconductor company showed a CO2 emission reduction potential of 6,000 tons of CO2e WTW (20% of all emissions) in just 60,000 transports done in 2021. And it's not only about sustainability - reducing emissions can also lead to cost savings and improved supply chain efficiency. With NxtLog, you can have it all.

With NxtLog, you can:

- **Analyze**: Get a clear overview of your transport emissions, costs, and lead times, across multiple transport modes: air, ocean truck and rail freight as well as all your trade lanes
- **Recommend**: Receive recommendations from sustainability experts on how to make your transport network net-zero.
- **Reduce:** Reduce your emissions and contribute to a more sustainable future.
- **Report**: Share your sustainability activities and progress with all your stakeholders, clients, investors, employees, and others
- **Save**: Spend less on CO2 certificates by having a ISO certified calculation for your emissions.

And the best part? Getting started with NxtLog is easy - all you need is your transport data. Whether you're using road, rail, sea, or air freight, simply provide your start location, end location, freight weight and mode of transport - NxtLog takes care of the rest.

So why wait? **Sign up on www.nxtlog.ai** for a free trial of NxtLog today and see the impact it can make for your business.

Contact Tom Schneider (tom.schneider@nxtlog.ai) for more information and start your journey towards a more carbon neutral transport network.

Operations Research in Logistics

What is Operations Research?

Operations Research (OR) has a long tradition of reducing costs and improving the quality of logistics solutions by applying advanced analytical methodology. The combination of tools from multiple disciplines, such as discrete mathematics, statistics, and computer science, helps solving complex planning and decision-making problems. For this, business requirements are translated into mathematical expressions, and the solution of the corresponding mathematical model can be transformed back into automatized and optimal business decisions. OR is mostly concerned with optimization models which prescribe behavior for an organization that will enable it to meet its goal. Typical applications in logistics are in the areas of network design and optimization, load consolidation, vehicle routing and fleet sizing, and load/packing optimization.

Selected Operations Research Use Case at DB Schenker
Within Territory Allocation (TALL) cost-optimal allocation of areas to terminals are determined. Such an allocation decreases total mileage and guarantees a balanced terminal utilization. Typically, it increases productivity while simultaneously reducing cost. Multiple variables, such as shipment volume, terminal locations, and vehicle costs must be taken into account to obtain a wise decision. Therefore, DB Schenker is continuously developing and improving a cutting-edge network design tool for TALL. Not only the question of assigning postal codes to terminals can be answered by TALL but also the question of how many terminals should be operated, what their capacity should be and where they should be located.

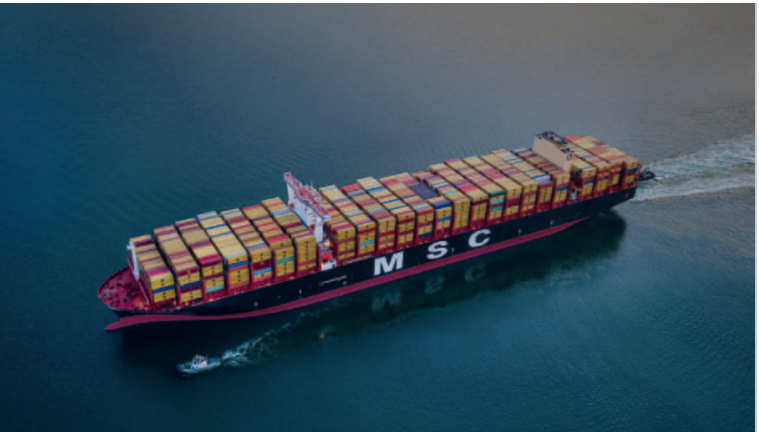
DB Schenker applies OR methodology in further various use cases for different DB Schenker business units, business partners, and international customers.

DB Schenker and MSC secure important Biofuel Deal

Expansion of sustainable ocean freight offerings for DB Schenker customers

February 2023 marked a new agreement between DB Schenker and Mediterranean Shipping Company (MSC). In the first-of its-kind agreement DB Schenker has secured from MSC an arrangement to use 12,000 metric tons of biofuel component for parts of its own less-than-container load (LCL), full-container-load(FCL) and refrigerated containers (reefer containers).

This deal represents **one of the largest carbon-insetting biofuel deals ever signed** between a freight forwarder and a shipping company. The purchased amount is enough to **save an additional 35,000 metric tons of CO2e along the entire production chain (well-to-wake) in 2023**.



This deal will utilize certified sustainable second-generation biofuels which are derived from used cooking oil, unlike conventional fossil-based marine fuel. The purchased 12,000 metric tons of biofuel component will be blended between 20-30%, resulting in approximately 50,000 metric tons of blended biofuel to be used in MCS's container ships.

Biofuel can be used for regular ocean freight operations without making any adjustments to the ship infrastructure or the supply chains, which makes it a convenient next step in the process of making ocean freight more environmental-friendly as it is not emitting any additional carbon dioxide to the atmosphere (net zero).

The agreement aids in **DB Schenker's continuous expansion of its sustainable ocean freight offerings for customers**. DB Schenker is able to offer its customers the ability to book regular net-zero ocean transport and receive an annual certificate of their emissions reduction for their carbon footprint.

The partnership between MSC and DB Schenker is one way DB Schenker is showing commitment to clean logistics and contributing to increasing the demand for alternative fuels in the industry.

Computer Vision & Video Analytics in Warehouses and Terminals

DB Schenker pilots video analytics technology to track moving objects

Video analytics is the future of technology. To benefit from it across all business units, DB Schenker decided to build up in-house capabilities and has developed a solution for locating and tracking objects like pallets or trucks based on visual information and deep learning algorithms. Pilots have been initiated in a joint Fraunhofer and DB Schenker Enterprise Lab project.

How does it work?

Already today, thousands of cameras are recording DB Schenker's operations. However, only a fraction of this material is being leveraged, mainly on a manual and backward-looking basis. Video analytics facilitates fast decision-making by capturing visual information and transforming it into quantitative insights without any human intervention. This is done in a way that is compliant with local data protection regulations.

Selected use cases at DB Schenker

Land Transport: At the gates of multiple groupage terminals, cameras collect information about departing/arriving trucks. The pilot solution works in real-time and detects license plates, intermodal loading unit (ILU) codes, truck type, original equipment manufacturer (OEM) and the DB Schenker corporate identity. This automatically generated information supports decision-making and creates valuable KPIs on the yard operations.

Contract Logistics: From the ceiling of a pilot warehouse, cameras detect and track all pallets in the inbound area. This transparency on the pallet flow enables shift leaders and forklift drivers to prioritize pallets for put-away into the storage racks. This solution streamlines operational processes and reduces the risk of line stoppage for DB Schenker's customers.

However, it does not stop here! Video analytics use cases can be found wherever cameras can capture visual information of operational processes. This technology will therefore represent a key component of DB Schenker's vision of a digital twin that allows for an efficient steering of operations in real-time.

eTrailers in European Land Transport

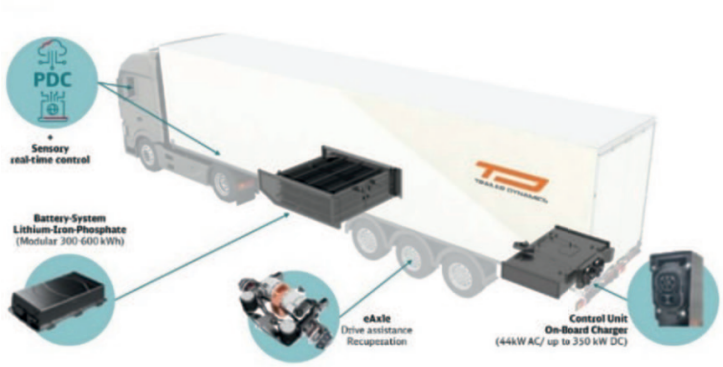
A cooperation with Trailer Dynamics and Krone Commercial Vehicle Group

In October 2022 DB Schenker signed a cooperation agreement with Trailer Dynamics and the Krone Commercial Vehicle Group for the use of eTrailers in European land transport. These trailers have an electric drive train to support the drive of the tractor unit, when in use. The trailer is able to determine the driving dynamics of the tractor and trailer in combination and through a specially developed component that uses a patented sensor system to readjust the eTrailer to support the tractor unit. The eTrailer's drive control operates independently from the tractor to ensure no interference. These trailers will be usable with tractor units from all manufactures powered by a variety of fuel types including diesel, gas, electric, and hydrogen. Tests in the DB Schenker network will continue over the year, with the field trial beginning before summer.

In spring 2023, a joint field test was conducted and concrete savings in diesel consumption during real operations could be verified for the first time. The savings varied depending on the topography or the type of route but a diesel consumption savings between 24 and 55 percent was shown.

eTrailer Benefits
In addition to the reduced fuel consumption of conventional diesel tractors, eTrailers bring many benefits including reduced emissions, and the ability to extend the range of electric trucks by up to 500 km, depending on the use case. The trailer's electric drive train allows energy to be recovered during breaking and thus allows for energy optimization. The spring test also showed that the total consumption of electrical and fossil energy and thus the savings in diesel requirements can be precisely predicted. The calculated savings in advance of a tour, showed that the deviations in calculations were less than one percent.

Essential Components
There are four essential components of the eTrailer. The patented sensor system which allows for real-time control and adjustments of the eTrailers. The Lithium-Iron Phosphate Battery system that allows the trailer to be fully electric. The eAxel system that allows for drive assist and energy recuperation and the Control unit with the on-board charger.



Reverse Logistics Operations

DB Schenker joins the Reverse Logistics Association

DB Schenker has joined the Reverse Logistics Association (RLA) as a diamond member, with this membership DB Schenker is adding to their portfolio offerings and focusing on sustainability in contract logistics.

What is Reverse Logistics?

Reverse Logistics is the process in the supply chain that deals with the return of supplied goods. It is a logistics process found within a circular economy model. Reverse Logistics includes any product being returned by the end-user, inward disposal of packing materials, or recycling of a sold product. There are different types of Reverse Logistics which include: returns, remanufacturing, refurbishing, packaging, unsold goods, end-of-life, rentals & leasing or repairs & maintenance.

A circular economy supported by reverse logistics has many benefits. Keeping resources in the loop for longer avoids the emissions and resources needed to make new products while simultaneously keeping goods out of landfills after one use avoids unnecessary waste. This allows for the reuse and regeneration of goods and resources already harvested.

About the Reverse Logistics Association

The RLA is the only authoritative body for best practices related to reverse logistics. It is a member-driven global trade association for the returns and reverse industry. Their goal is to provide education and information to professionals in the industry and act as a voice of the reverse industry. The RLA offers information, research, solutions, and facilitates networking within the industry. DB Schenker is excited to utilize this new membership for contribution to its sustainability ambitions and the ability to enable customers to reach theirs.

Reverse Logistics and Circular Economy at DB Schenker

Being a diamond member of the RLA allows DB Schenker to have greater participation in shaping the future of logistics within a circular economy. The company has the know-how and experience in returns and reverse logistics through operations for key customers especially in the electronics industry. Annually, DB Schenker processes more than 2 million returns of electronic devices and offers modular reverse management operations to provide one-stop-shop for its customers.

Currently, DB Schenker offers reverse logistics and value-added services in their warehouses to contribute to a circular economy. The current offer focuses on returns initiation, returns processing and repairs processing solutions for electronics and consumer / retail industries, but is planning to expand its horizons to other vertical markets as well.

Schenker Ventures Investment Portfolio

www.schenker-ventures.com

Fernride
Fernride is transforming logistics into a sustainable and automated process by developing leading-edge technology that helps humans and machines collaborate in the industry. The unique approach of autonomous & electric yard trucking allows truck drivers to remote control trucks.

Liefergrün
Liefergrün is revolutionizing the courier, express, parcel (CEP) market. They are turning the last mile of parcel delivery into a sustainable and high-quality experience for the end consumer. Liefergrün's customers are large retailers that prioritize the end consumer as well as the environment.

Laserhub
Laserhub is the leading industrial procurement platform and is disrupting the custom manufacturing market. The startup radically simplifies the procurement process for custom metal parts. The automated, digital platform covers orders for laser cutting, bending, tube laser cutting and CNC turning.

Warehousing1
Warehousing1 is a logistics-tech startup in the ecommerce fulfillment space with one of the largest networks in Europe. Warehousing1 provides ecommerce and retail brands with suitable warehouse logistics solutions at any location, enabling them to manage their fulfillment digitally.

Gideon
Gideon Brothers is a robotics engineering company based in Europe, providing intelligent material handling solutions powered by AI and 3D. Their vision-driven autonomous mobile robots make indoor and outdoor operations more efficient by automating and orchestrating complex industrial workflows.

Volocopter
Volocopter is building the world's first sustainable and scalable urban air mobility business to bring affordable air taxi services to megacities worldwide. Volocopter is also developing products for the logistics sector with their heavy-lift cargo drone, the VoloDrone.

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