





Warehouse Warriors

Unleashing the Coolness of Next-Gen Logistics!

Erik Wirsing | VP Global Innovation  
w3w /// savers.gossip.drones
w3w /// smiling.always.seating



#hungryforinnovation

150 years ago, we were absolute beginners. And we still are today.

1872 - 1952



1952-2002



2002-2012



2012 - 2020



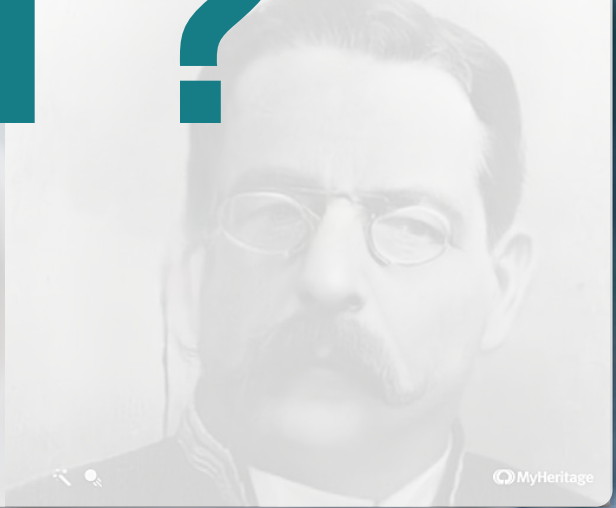
2020 - 2023



DB Schenker is one of the Largest Global Logistics Companies

SO WHAT?

	<p>~1872 founded</p>		<p>~130 countries</p>		<p>~100.000 locations</p>
	<p>~76.000 employees</p>		<p>~27 billion sales</p>		<p>~700.000 clients</p>



© MyHeritage



**Until we can beam goods and people,
we'll still have to store and ship them.
The question is,
What to do in the meantime?**

Current Challenges in Logistics (VUCA)



TIME-TO-MARKET

STABLE, AGILE AND
CYBER-SECURE IT OPERATIONS
& SERVICES

**CHANGING
BUSINESS MODELS**

MARKET CONSOLIDATION

VOLATILITY

PANDEMICS

INCREASING COSTS

DIGITALIZATION

LACK OF PERSONNEL

DIESEL DRIVING BAN

SUSTAINABILITY

CUSTOMER-CENTRICITY

NEW MARKET PLAYERS

AUTONOMOUS DRIVING

Next Gen Automation & Robotization Technologies

Live Operations (samples)



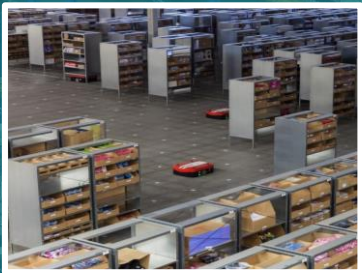
AutoStore



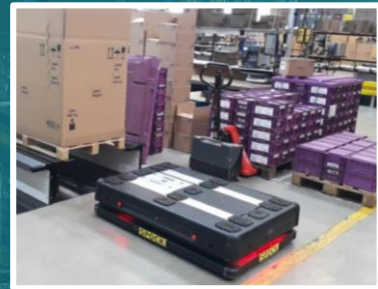
Forklift
AGV



Robotics
De-
palletizing



AMR based
Goods-to-
Person



Platform
AGV



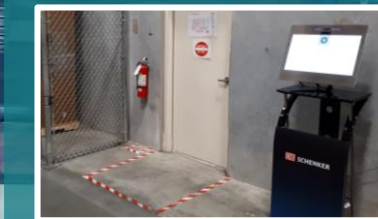
Robotics
Pick, Label
& Put



Drone
Inventory



Tugger
AGV



Facial
Recognition

What is happening right now – Pilots and more Impressions



Avatour Cooperation
virtual warehouse visits



Cargo Bikes



VoloDrone First
Public Flight in Hamburg

Fernride Pilot
remote truck driving

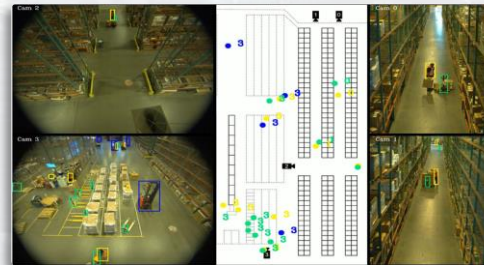
Smart Label
One-time usage (temp.
Locat, Security Seal, ...)



Digital VR Trainings
roll out based on a Lab Project



Initiation of the **Volta Truck** Cooperation



Testing **Exoskeleton**
across all DBS divisions



Video analytics
For all Business Units



VR Forklift Trainer

Sustainability is part of our DNA

For years!



Up to 500kg and 4m³



Exoskelette



Green energy:
More than 1.5 million kilometers
driven with electric vehicles



div. Cargo Bikes



>17,000 tons of
Sustainable
Maritime Biofuels
purchased in 2023



>10,000 tons of SAF were
purchased in 2022



40t eActros



Hydrogen truck in operation



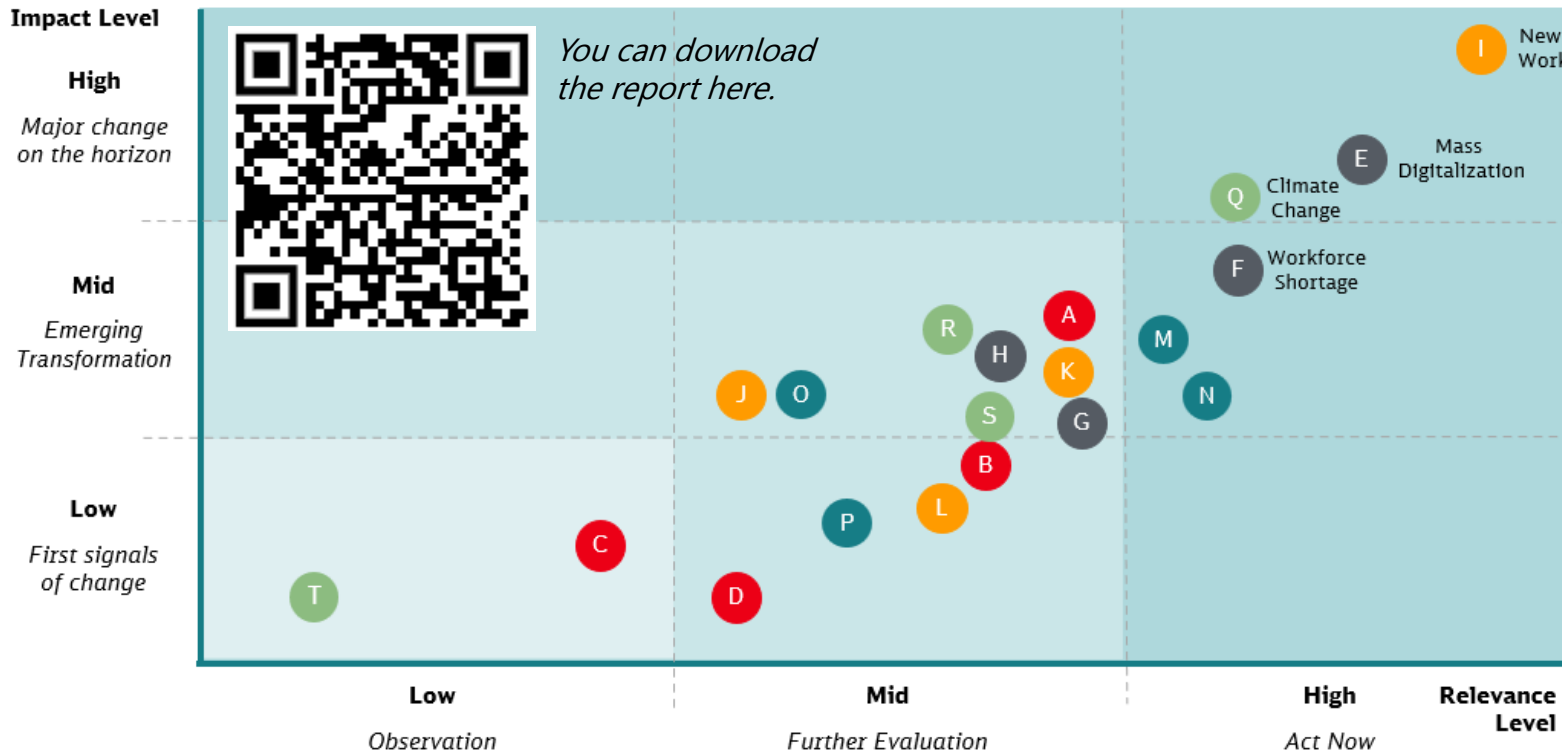
On Demand Production



DB Schenker plans to operate a zero-emission autonomous coastal container feeder for Ekornes ASA in Norway

What's next?

Get your Smartphone ready!



1. Digitalization Everywhere

- **cross-industrial** rise of **data use** and opportunities brought by Artificial Intelligence and IoT will drive even greater impact on supply chain optimization (e.g., planning, visibility, analytics)

2. Transformation of Work

- **new working models** as important as human-centered aspects of work: work-life boundaries, workplace wellness, and **mental health**.

3. Climate Change Impact

- increasing role of **environmental risks** combined with pressure on **decarbonization**

Political & Legal

- A. Public Incentives
- B. Multi-Regional Logistics
- C. Strategic Subsidies
- D. Digitalization Regulations

Economic Trends

- E. Mass Digitalization
- F. Workforce Shortage
- G. Environmental Focus
- H. E-Commerce Acceleration

Social Trends

- I. New Work
- J. Green Cities
- K. Sustainable Automation
- L. New Talent Impact

Technological Trends

- M. Smart-Deliveries
- N. Data-driven Insights
- O. Cybersecurity
- P. Smart Supply Chains

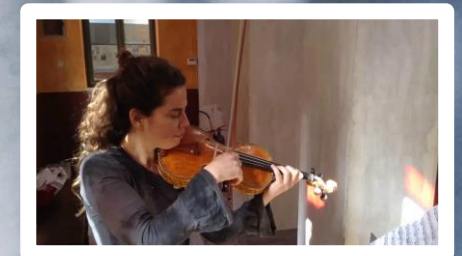
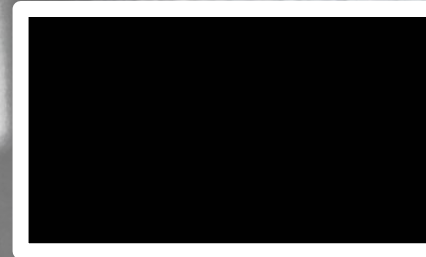
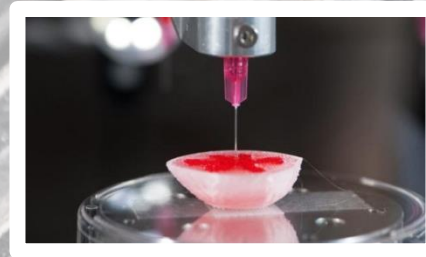
Environmental Trends

- Q. Climate Change
- R. Diverse Talent Appreciation
- S. Decarbonization
- T. Car-free Cities



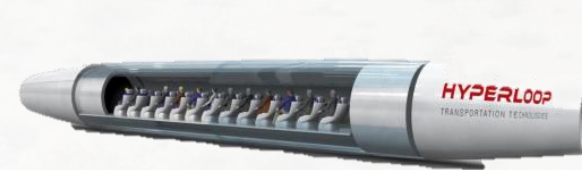
3D Printing

Additive Manufacturing
much more than a gadget.



Hyperloop

Moving people and goods with aircraft speed through a low-pressure tube by 2024.



Space Logistics

Galactic Opportunities for
the Logistics Industry



Or download the magazine [here](#).

What is it about?



Concise insights into DB Schenker’s innovation and digitalization activities, projects, and initiatives



Learn from our latest insights twice a year



Find the latest magazine on dbschenker.com



Your gateway to the future of logistics



DB SCHENKER | supply chain pioneers

Don't want to miss upcoming events?

Seeking co-creation opportunities?

Want to use your voice to shape the future of logistics?

Eager to pilot on new business models?

**150 years ago, we were
absolute beginners. And
we still are today.**



Unleashing the coolness of Next-Gen logistics remains our perpetual drive.

Erik Wirsing



Vice President
Global Innovation
DB Schenker

Tel.: +49 69 24744 26 50

Mobile: +49 160 974 600 99

erik.wirsing@dbschenker.com



always stay
#hungryforinnovation