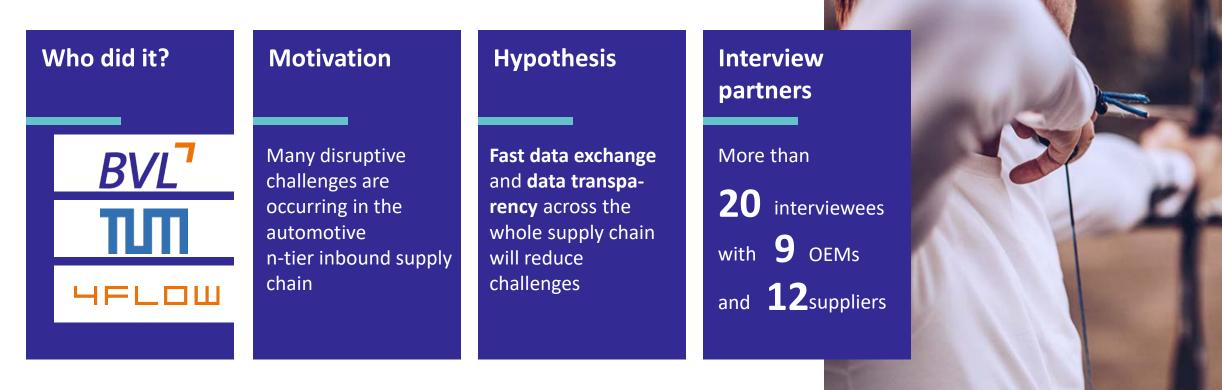
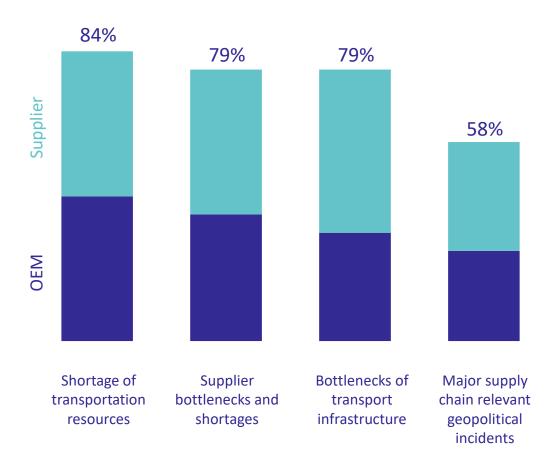
Market study on data exchange in the automotive industry

Overview of results



BVL Focus Group Automotive conducted a market survey on data exchange and data transparency in the automotive supply chain





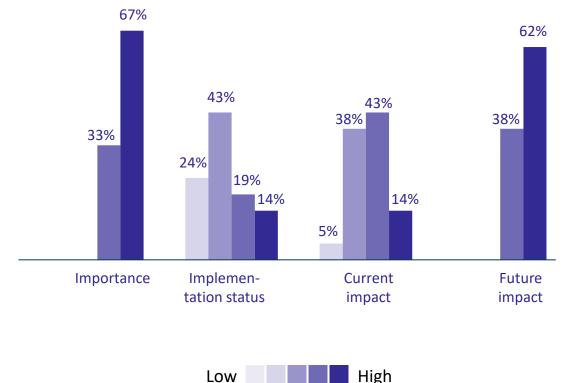
SC challenges most often mentioned by companies

The automotive inbound supply chain faces tremendous challenges in recent years

- Close to every company faces multiple challenges in parallel, those reinforce one another.
- > Due to different sourcing regions, not all companies are affected by geopolitical incidents.
- > OEM's and suppliers face the same challenges.

Solution Can data transparency and exchange help to overcome these challenges?

Data sharing and data transparency Self assessment of companies



All companies see enormous potential in data sharing to address these SC challenges

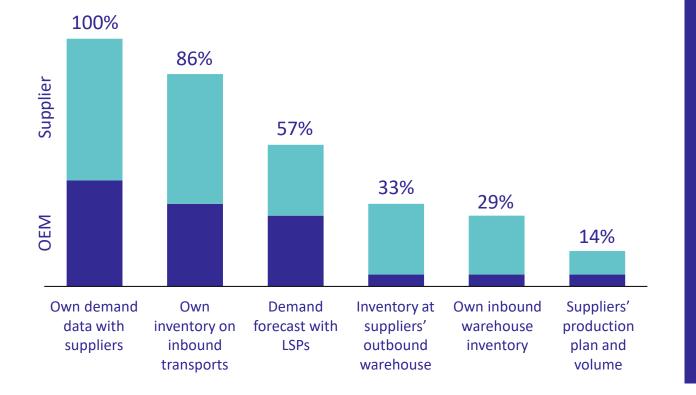
- Companies believe in the importance and future potential of data sharing and data transparency.
- > Nevertheless, their implementation status is not as advanced as they would like it to be.
- Companies with an already high implementation level and a high impact through data exchange are new players in the industry with an integrated IT-landscape

In the automotive industry, incumbents need to close the gap to meet their data exchange requirements



Automotive companies share more advanced data than demand data only in case of emergencies

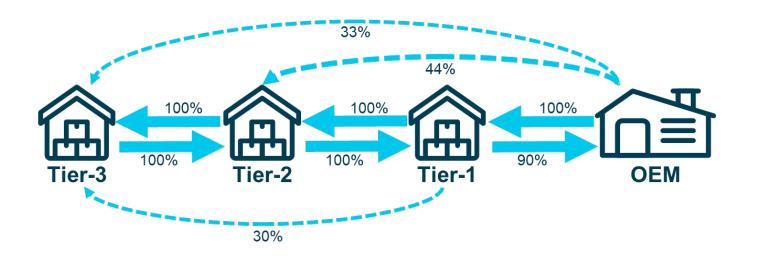
Percentage of companies sharing data





- Sharing of demand data is a standard.
- Demand forecasts are communicated to LSPs for securing transportation capacities by 57% only, although 84% face significant shortages.
- More advanced data is shared by less than a third of the companies.

Although improved in recent years,
 data sharing practices do not reflect
 the importance and potential identified



- > Data sharing along the supply chain is selective.
- > 75% of companies are increasingly exchanging data in the event of disruptions, even with new partners.
- > With current methods, **data sharing is temporary** in many cases.

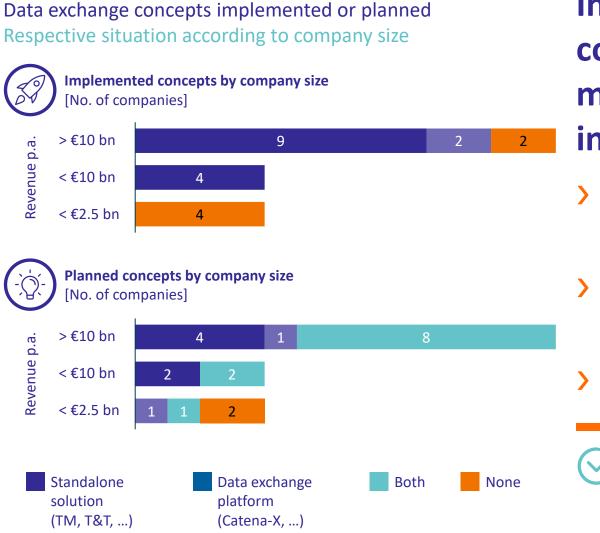
Companies exchange data mainly with direct suppliers!

Well known **reasons hinder data sharing** beyond the tier 1 level

Perceived short-term value

7 Standard (legal) agreements and frameworks

Trust



In the future, automotive companies would like to benefit more from data exchange via industry specific platforms

- Currently, larger automotive companies have a **broader** set of software solutions implemented to share data with their supply chain partners.
- In future, companies intend to **share more data** with their supply chain partners through external platforms, such as Catena-X.
- Small suppliers are **less advanced** in data sharing.

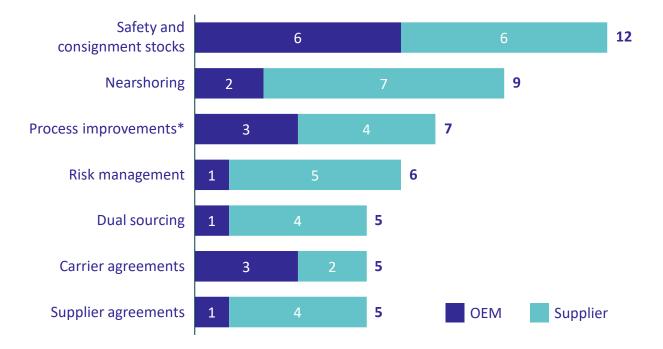


Even large companies struggle with the lack of industryspecific standards and harmonization of data exchange



Automotive companies implement more than 3 measures on average to increase robustness and resilience

Number of implemented measures by type



*) Improvements of production, ordering and scheduling processes

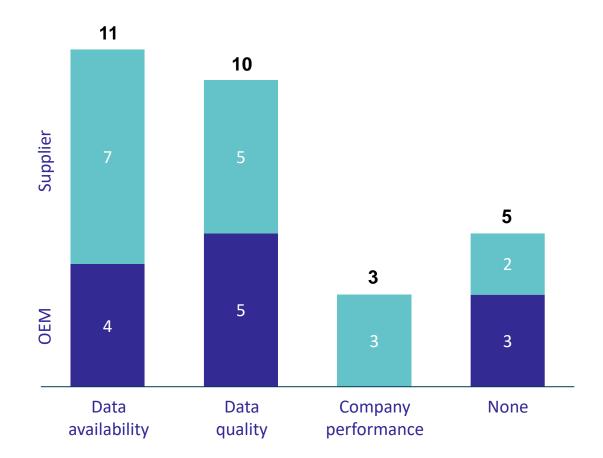


- **Building up inventories** was the most common measure used to increase robustness.
- Although **nearshoring** has also been one important measure, **deglobalization is not a general trend**.
- Most companies continue to globalize.
 Cost savings still seem to be the main driver for sourcing decisions.

S Companies have recognized the value of robust and resilient supply chains and are investing in them



Concepts used to measure the success of data sharing Number of companies



Only very few companies measure the robustness of their supply chain directly

- > Specific KPIs to measure the robustness and resilience of the supply chain have not yet been established.
- 50% of the companies are measuring the robustness of their supply chain, but most of them indirectly through performance indicators.
- Companies also see challenges in measuring the success of data sharing.

Today, critical supply chains are not identified in a standardized and proactive way

The automotive industry must exchange data on a significantly broader scale and set legal standards and frameworks to reap the full potential

Data exchange and transparency is seen as **one key driver** to overcome supply chain challenges

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Although the crises has accelerated data sharing, incumbents need to close their current gap

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Standard agreements and framework agreements need to support data sharing to enable the identified potentials Data sharing practices do
 not reflect the importance
 and
 potential identified

Companies invest in supply chain robustness and resilient





