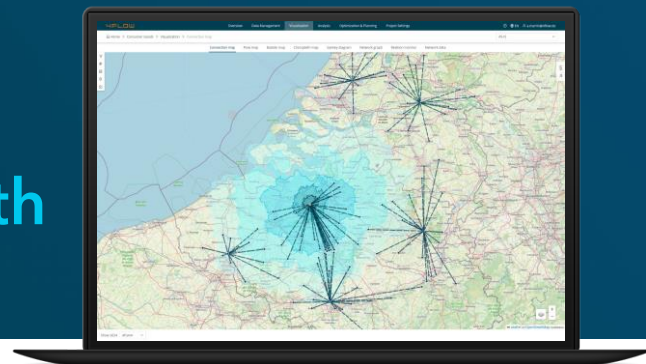




Case Study - Vehicle manufacturer

Optimizing inbound supply chains for cost efficiency with 4flow



The challenge

- › The goal of the manufacturer was to ramp-up production and achieve sustainable growth
- › Inbound Production: ~150 suppliers supported by ~10 international carriers (Road, Sea, Air, Rail); medium 3-digit supplier base across Europe and overseas (China, LATAM)
- › Greenfield setup of the transport network allowed flexibility to design the optimal structure

Solution approach

- › Leveraged 4flow Network Design software to provide cost transparency, evaluate tariff structures, and support decision-making
- › Enabled "what-if" scenarios for production volumes, collection frequencies, and warehousing costs
- › Conducted a detailed network study, that included greenfield and training of the team

Outcome and Benefits

- 1 Improved supplier-level decisions for transport modes and frequency adjustments
- 2 Clear cost forecasting at the part, supplier, and per-vehicle levels for decision-making
- 3 Positioned the network for future growth with minimal additional planning effort

4x

More network optimizations per year

1M

Total volume optimized in the initial scope of the project (m3/y)



Outbound, accessories and After Sales to be included at a later stage

Streamlining global inbound supply chains to reduce costs and boost production efficiency with 4flow



Network design optimization

Strategically model and redesign supply chain networks to minimize cost, improve service levels, and support scalable growth.



Transport & routing enhancement

Improve transport flows, including road, sea, air, and rail, to reduce transit times and costs.



Transport frequency optimization

Adjust shipment frequencies and load sizes per supplier to balance service level and logistics cost.



Cost-per-part analysis

Evaluate landed costs at the part, supplier, and vehicle levels to support sourcing and logistics decisions.



Transportation planning

Optimize transport mode selection, routing, and consolidation strategies aligned with production needs.



Transportation forecasting

Anticipate future transport demand by forecasting inbound volumes by region, supplier, and mode.

Our supply chain expertise

Real results with 4flow

20%+

Savings in logistics costs

10%+

Reduction in inventory levels

20%+

Increase in process efficiency

Interested or have questions? Contact us!

Get in touch to have your questions answered or to schedule a live demo of our software solutions.

We look forward to hearing from you.



About 4flow

4flow is a leading provider of supply chain consulting, software and fourth-party logistics (4PL) services. With this cross-functional competency, we are able to meet and exceed the highest standards of quality and innovation.

20+

offices in Europe, North America, South America and Asia

1300+

team members globally

400+

customers globally

4flow customers include:

AGCO BASF BD BMW Bosch

Deichmann EDEKA Lear Magna Mars

Roche Siemens Volkswagen Volvo Cars