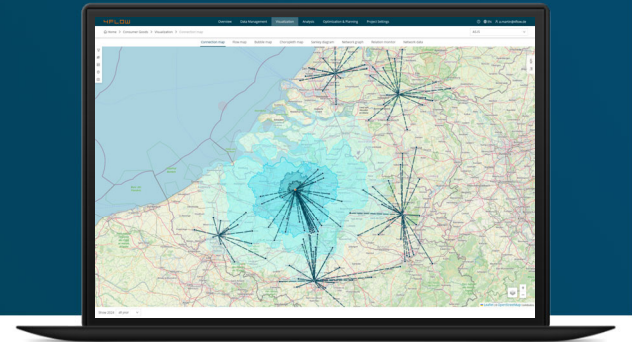




Case Study - Global Machinery manufacturer

Optimizing DCs and global routes with 4flow



The challenge

- › Global manufacturing company analyzing finished goods distribution from multiple plants to customer locations across North America
- › Complex multimodal network involving ocean freight, drayage, and over-the-road transport
- › Finished goods produced at multiple sites with varied requirements, including heavy and oversized items

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 Scenario comparisons evaluated transport, handling, and fixed costs across multiple DC options
- 2 Defined and implemented cost-optimal DC setup in coordination with internal real estate team
- 3 Improved network efficiency and reduced overcapacity across selected regions

\$2M Reduction in logistics costs

Enabled closure of underutilized facility, unlocking additional structural savings

Streamlined complex supply chains for heavy machinery with 4flow



Optimized distribution networks

Streamline multimodal transport for cost savings and reliable delivery.



Inventory and stock placement refinement

Align inventory with demand to reduce stock while maintaining service levels.



Plant-to-customer allocation planning

Improving finished-goods flow from plants to customers, considering size, weight, and handling needs.



Lead-time and SKU-level transparency

Plan at the product level to manage lead times and enhance routing visibility.



Scenario & greenfield analysis

Assess network changes and expansions to support strategic, data-driven growth.



Enhanced service levels and customer satisfaction

Enhance shipments and schedules to consistently meet customer expectations.

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