

Success story in high-tech and communications

How Resideo leverages its transport management system (TMS) data for supply chain optimization with 4flow



Customer: Resideo

- > Global manufacturer and developer of technology-driven products and components
- > Circa 14,000 employees globally
- > 150 million homes with Resideo products
- > 15 million systems installed in homes each year¹
- > Resideo currently has a Silver Medal placing from EcoVadis. Its latest score puts it in the top 8% of its peer category across 21 sustainability criteria including environment, labor and human rights, ethics, and sustainable procurement.
- > Resideo recently released its 2023 Environmental, Social and Governance (ESG) report, detailing its ESG progress, new climate commitments, and continued execution of its ESG strategy.

¹ <https://investor.resideo.com/overview/default.aspx>

Project scope

Develop and implement creative solutions to optimize network structure, transportation and packaging.



Resideo is a leading global manufacturer and developer of technology-driven products and components that provide critical comfort, energy management, smart-living and safety and security solutions to over 150 million homes globally.

The company was in the process of implementing a new TMS for its end-to-end transportation network in Europe and approached 4flow to support its freight auditing and optimization activities. “We felt that 4flow had the right optimization and freight payment capabilities and expertise that we were looking for. 4flow also aligned with our company values, which is very important to us”, said Pierre-Henry Marbot, EMEA logistics director at Resideo.

A customized approach

Based on their optimization experience, the 4flow team worked closely with the Resideo team to develop and deliver the most effective data frameworks and customized automation tools from carrier and shipment data to product-level data. “This is one area where 4flow’s extensive experience with transportation optimization can create value for Resideo”, said Andrea Karáth, transportation planning manager and responsible project lead at 4flow management.

From datasets to actionable insights

Gathering first-hand knowledge about operations and pinpointing inefficiencies is vital. “Managers at our sites know what they need. They know exactly what’s sitting on their docks. They know all the constraints. Therefore, we made sure that the communication between ourselves and 4flow is frequent, direct, easy and quick, so that we can turn the improvements indicated by data into reality as soon as possible”, explained Pierre-Henry Marbot.

Creativity and collaboration: the keys to successful optimization

One notable success of the Resideo and 4flow collaboration was the improvement of the internal shuttle network between production sites and warehouses. By reducing the frequency of the Mosbach (Germany) shuttle – which transports goods to nearby warehouses – from twice a day to once a day, it led to a 50% increase in utilization and a reduction of 13.7 tons of CO₂e emissions².

“The more closely we collaborate with the companies we support, the more successful the outcomes can be”, added Andrea Karáth.

² Resideo 2023 ESG report

Game-changing optimization measures for long-term success

In transportation logistics it's crucial to continue to find ways to increase speed, reduce costs and improve sustainability – and at the same time, maintain efficiency and quality. Currently, Resideo, supported by the 4flow team, is working on multiple active optimization levers in various stages – with an average time of a few weeks from idea to go-live. The optimization measures achieve cost savings, in addition to improved service levels and similar gains in sustainability.

Results

12 supply chain optimizations, resulting in significant cost savings of **\$1.2 million annually** and a reduction of 133 tons of CO₂e per year³.



Speedy implementation of ideas



Cost savings achieved in overall network



Multiple optimization levers actively being explored and implemented

³ Resideo 2023 ESG report

"We're looking to implement game-changing ideas, not just a little bit of optimization here and there. We want changes that will stick and prepare us for the future. We're finding ways to bring the transport logistics future to Resideo – and 4flow is helping us do it."

Pierre-Henry Marbot

EMEA Logistics Director at Resideo

About 4flow

4flow is a leading provider of supply chain consulting, software and fourth-party logistics (4PL) services. With more than 1300 team members, 4flow is a global partner for its customers at more than 20 locations in Europe, Asia, North America, and South America. 4flow completes more than 300 projects a year in cooperation with customers on 5 continents, in more than 40 different countries and regions. 4flow is headquartered in Berlin, Germany.

20+

offices in Europe, Asia
and the Americas

1,300+

team members globally

400+

customers globally

300+

projects annually around the world

