

Electrical Supplier Leverages EVOS Smarttools for **Fleet Planning**

Introduction

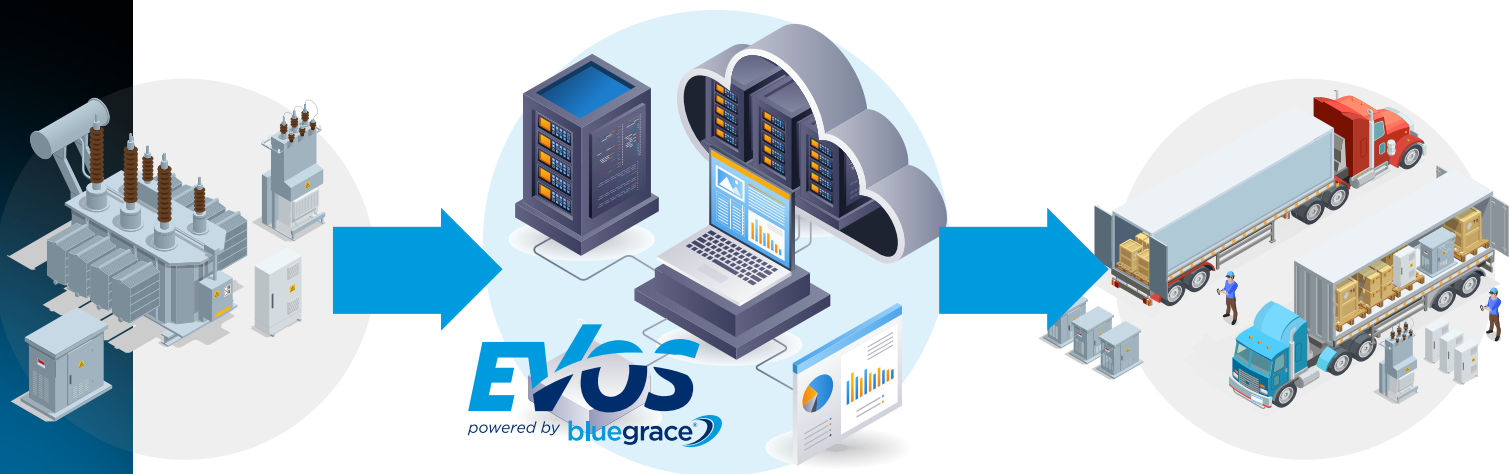
A prominent national electrical supplier has significantly enhanced its fleet planning and logistics operations through the use of EVOS Smarttools. This case study explores how this company transitioned from an outdated, paper-based system to a highly efficient, technology-driven process, improving operational efficiency and reducing carbon emissions.

Background

Before collaborating with EVOS Smarttools, the company managed its complex logistics operations on paper. The company's logistics network included:

- **Local mom-and-pop carriers**
- **3rd party common carriers**
- **A dedicated fleet of drivers based at eight different facilities**

Managing such a multifaceted operation with an outdated method posed significant challenges, including inefficiency, high labor costs, and potential errors.



The Solution

EVOS Smarttools' primary goal was to address the paper problem by digitizing and optimizing the logistics operations of the business. Key aspects of the solution included:

- **Transitioning from paper to a digital system**
- **Implementing detailed rules and parameters within the optimization program**
- **Collaborating closely with the business to ensure accurate routing guidance and decision-making rules**

Implementation and Results

Significant Time Savings

A task that previously required **approximately 30 hours per week** (spread over many hours each day) is now completed in **just one hour** on Tuesday mornings. During this time, the entire workload for the following week is planned to use EVOS Smarttools' optimizer. This dramatic reduction in planning time has freed up valuable resources and allowed the team to focus on other strategic initiatives.

Optimized Fleet Utilization

EVOS Smarttools optimized the use of the dedicated company drivers and common carriers. The planning process ensured that:

- **Dedicated drivers left facilities with full trailers and returned with backhauls, maximizing efficiency.**
- **Common carriers were assigned the remaining freight, ensuring all shipments were handled effectively.**

Flexibility and Manual Adjustments

As ship dates approached, if orders were found to be unavailable or short on inventory, users could manually adjust load plans or defer orders to the following week. This flexibility ensured that the logistics operations could **adapt to real-time changes** without disrupting the overall efficiency.

Order and Shipment Statistics

On average, the company **plans about 15,000 orders per month**. Using EVOS Smarttools' expertise and software, these orders are organized into:

- **500 dedicated truck routes per month**
- **1,000 one-way common carrier trucks per month**
- **300 LTL (Less-Than-Truckload) shipments per month**

Environmental Impact

By optimizing shipment routes and load planning, they achieved a **24% reduction in carbon emissions** compared to shipping orders directly. This not only aligns with the company's sustainability goals but also contributes to broader environmental conservation efforts.



Case Study Insights

Addressing the Paper Problem

One of the significant challenges faced by the business was managing their logistics operations on paper. EVOS Smarttools effectively **digitized this process**, ensuring all logistics data was accurately stored and easily accessible. This transition from paper to digital reduced the risk of errors, streamlined operations, and improved overall efficiency.

Collaboration for Accurate Implementation

Not all carriers had rates and contracts that could be stored with 100% accuracy in EVOS Smarttools. However, through close collaboration with the in-house team the necessary routing guidance and **decision-making rules were implemented within the system**. This collaboration was key to the successful deployment of the optimization program.

Efficient Planning and Execution

The ability to plan **the entire week's workload in just one hour** each Tuesday morning represents a significant improvement in operational efficiency. This efficient planning process ensures that all dedicated drivers and common carriers are optimally utilized, reducing empty miles and improving overall logistics efficiency.

Environmental Benefits

The reduction in carbon emissions by 24% highlights **the decreased fuel consumption of using advanced logistics solutions**. By optimizing load planning and shipment routes, the business has minimized its carbon footprint, contributing to sustainability goals and reducing environmental impact.

Conclusion

The collaboration between this electrical supplier and EVOS Smarttools has resulted in a highly efficient and sustainable logistics operation. Utilizing EVOS Smarttools for fleet planning, the business has saved time, optimized fleet utilization, and minimized environmental impact. Their experience highlights the transformative impact of digitizing logistics operations.

By adopting EVOS Smarttools' solutions, they have enhanced efficiency and established themselves as leaders in sustainable logistics. This case study demonstrates the value of technology in driving business improvements and achieving sustainability goals.

