

CASE STUDY

MARKEN LAUNCHES LOW-EMISSION TRANSPORT SERVICE PILOT TO ADVANCE CUSTOMER SUSTAINABILITY GOALS

MARKEN'S STRATEGY HIGHLIGHTS YEARS OF PLANNING TO HELP CLIENTS ACHIEVE EFFICIENT CARBON EMISSION REDUCTIONS, ALIGNING WITH SCIENCE-BASED TARGETS

GOAL

Build a flexible and economical emissions reduction solution that supports clients in achieving their carbon reduction targets through low emission transport services (at a shipment level) and without impacting the quality or time sensitivity of our operations.

CHALLENGE

Launch Marken's Green Investment Pilot, a three-month pilot for carbon emission reductions in the supply chains of four key environmentally focused customers, using our joint investment to deliver a measurable, cost-effective return on carbon emissions without interruption to normal operations. Critical to the project's success were:

- (a) building measurable and deliverable KPIs to ensure that the proposed solution could be tested and met;
- (b) agility through network solutions;
- (c) transparency and accountability to clients through audited claim statements; and demonstrate
- (d) compliance with Global Logistics Emissions Counsel (GLEC), Greenhouse Gas Protocol (GHG Protocol), and Smart Freight Centre's Market Based Measures (SFC MBM) framework.

SOLUTION

Participating clients had the flexibility to set their investment levels on an account basis, with application at the shipment level. The pilot aimed to test the theory that a minimum standard investment could achieve up to an 8% reduction in carbon emissions across all participating accounts during the pilot period. Marken's operations teams leveraged a network of certified, second-generation air and ground biofuels for a total reduction of over 150 metric tons in carbon emissions over the period and across all participating clients.

Solution Requirements

- Simplify and incentivize investment from corporate partners through a book and claim process where emission captures are provided immediately at processing in alignment with SFC's MBM framework;
- Create supplier partnerships that will facilitate better access to biofuels in future and create supplier demand;
- Set up back-end processes to allow track / trace investment capabilities; and
- Work with a SFC accredited emission calculation and registry provider and an external audit firm to verify data and procedures across all four patrons and both modalities (air/ground).

OUTCOME

Pilot project successfully achieved an efficient and cost-effective carbon reduction solution for clients with carbon emissions savings on average more than 8% on participating accounts, without any impact to operations. Claim Statements were verified by a highly regarded independent body, allowing clients the assurance as to accuracy and reliability.

STATEMENT FROM PCI



With minimal investment, PCI achieved an absolute emissions reduction of over 18% across participating accounts, primarily driven by the use of sustainable aviation fuel. The seamless integration of the Low Emission Transport Service offers significant benefits for all stakeholders. Additionally, the shipment-level allocation of costs and emission reductions proved particularly valuable for budget management and tracking site-specific carbon footprints.

From PCI

"The pilot was a seamless fit for PCI and cost-effective approach to reduce emissions in our supply chain. Marken was a reliable partner throughout the program and the results have exceeded our expectations. We look forward to exploring opportunities to expand our partnership in the future."

Tim Hansen, Director, Environmental, Social & Governance (ESG)

The pilot strengthened collaboration with carriers, airlines and a network of biofuel suppliers. The project's complete success provides a strong service offering for setting long term decarbonization goals.

ABOUT MARKEN

Marken, UPS Healthcare Precision Logistics (formerly Marken, MNX & Polar Speed), the clinical and advanced therapy subsidiary of UPS Healthcare, unites expertise across healthcare and complex secure logistics to drive the success of our clients through innovation. Operating in 220+ countries and territories, our team of 4,000 experts orchestrate over 6.6M shipments annually at all temperature ranges across our harmonized air, sea and ground network. With a ready-now packaging catalog and global depot matrix, Marken overcomes the most complex and evolving industry challenges, mitigating risks to always make it happen. Marken offers a complete range of services that integrates drug supply, storage and distribution, advanced therapy, radio pharma logistics, patient-driven services, laboratory logistics, kitting solutions, and connected medical device management. By prioritizing quality and putting patients first, Marken ensures time and temperature-critical shipments reach those who need them most.

We are ready. Now. Experience. Our Precision.