

Overcoming a Shipment Delay: Simplex Engineering Achieved Robust **CBAM** Compliance

Case Study



Cleancarbon.ai

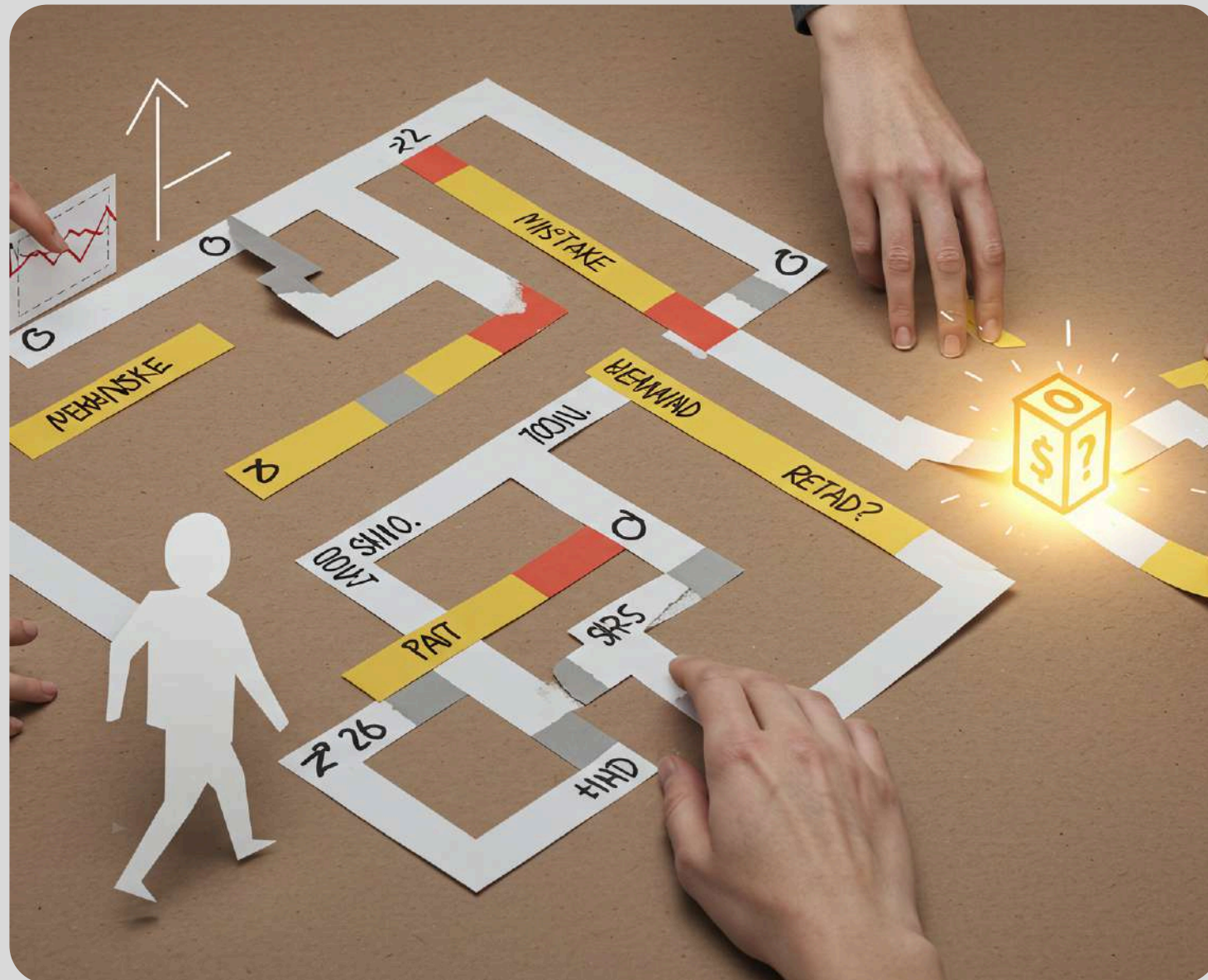


Client Overview

Simplex Engineering Co., established in 1967, is a pioneering manufacturer of high-quality fasteners, tower bolts, nuts, fabricated parts, and aluminium castings, serving industries like transmission towers, telecom, solar, and railways across 30+ countries. Based in India with advanced infrastructure, including hot dip galvanising and a full testing laboratory, Simplex exports steel and aluminium products to the EU, making them subject to the EU's Carbon Border Adjustment Mechanism (CBAM). When a 203-ton shipment was stuck at EU customs due to a missing CBAM report, Simplex partnered with CleanCarbon.ai to resolve the issue and ensure ongoing compliance, leveraging their up-to-date emissions data.



Business Challenges



- 1. Shipment Delay Due to Missing CBAM Report:** A 203-ton shipment of steel and aluminum fasteners was held at EU customs, risking financial losses and reputational damage due to the absence of a compliant CBAM report.
- 2. Supplier Data Coordination:** Despite up-to-date internal data, coordinating emissions data (Scope 1, 2, and 3) from multiple suppliers for steel and aluminum components was complex.
- 3. Supplier Trust and Engagement:** Convincing suppliers to share emissions data required clear communication and trust-building to align with CBAM requirements.
- 4. Efficient Reporting Processes:** The volume of reports for diverse products (fasteners, castings, cable trays) demanded streamlined processes to avoid future delays.
- 5. Timely Compliance and Carbon Tax Accuracy:** Ensuring on-time, accurate reporting was critical to prevent penalties and manage carbon tax obligations.



Solutions Provided by Cleancarbon.ai

CleanCarbon.ai delivered a tailored CBAM compliance solution for Simplex's manufacturing operations:

- **Rapid Response for Shipment Clearance:** CleanCarbon.ai quickly analyzed Simplex's up-to-date data to generate and validate a CBAM report, resolving the 203-ton shipment delay.
- **Supplier Engagement and Training:** Conducted CBAM tool demos to educate suppliers, fostering trust and enabling seamless Scope 1, 2, and 3 data sharing.
- **Streamlined Data Entry:** Provided user-friendly platforms integrated with Simplex's systems, allowing suppliers to input emissions data efficiently.
- **Automated Reporting:** Leveraged ERP-integrated tools to produce EU-compliant XML and Excel reports, reducing reporting complexity for diverse products.
- **Real-Time Emissions Insights:** Offered dashboards for instant visibility into emissions, aligning with Simplex's advanced testing infrastructure.
- **Audit and Tax Preparedness:** Provided on-field support for EU audits and validated reports to ensure accurate carbon tax calculations, with GDPR-compliant data handling.

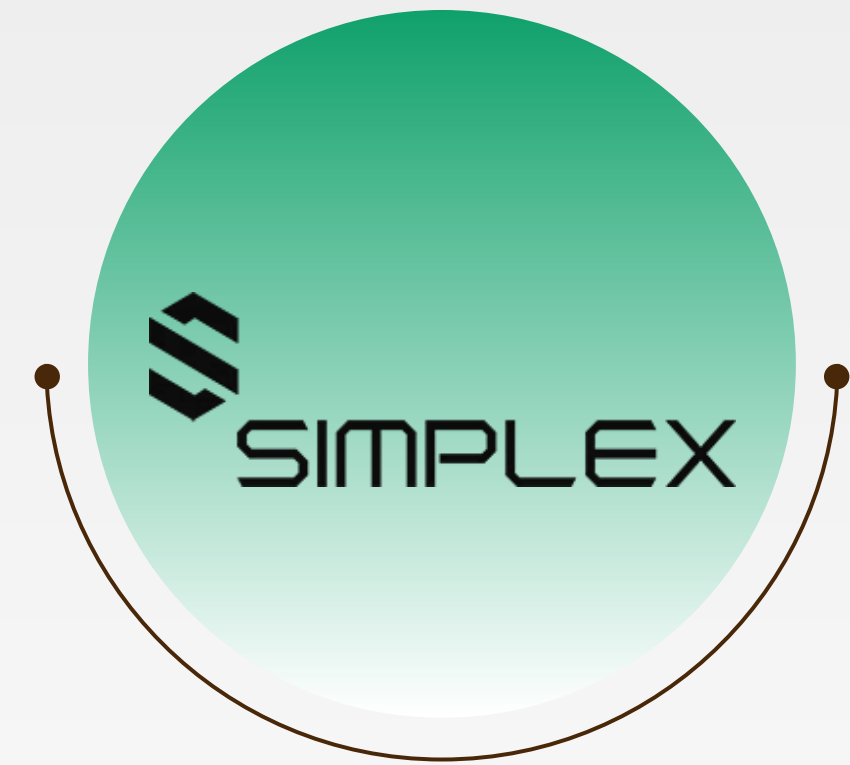
Implementation

CleanCarbon.ai executed the solution over three months, with an immediate focus on resolving the shipment issue. Within one week, they used Simplex's up-to-date data to produce a compliant CBAM report, clearing the 203-ton shipment. Phase one integrated automated emissions tracking with Simplex's ERP and laboratory systems, mapping steel and aluminum components. Phase two trained suppliers via demos to streamline data collection. Phase three delivered validated reports for ongoing EU submissions, with dashboards for real-time monitoring. Continuous support ensured audit readiness and compliance with Simplex's quality standards.



Client Testimonial

“When our 203-ton shipment was stuck at EU customs, CleanCarbon.ai stepped in with remarkable speed and expertise. Their rapid response and automated tools not only cleared the shipment but also transformed our CBAM compliance process. The real-time dashboards and supplier training have made compliance seamless, allowing us to focus on delivering quality to our clients across 30+ countries.”



Simplex Engineering

Representative



Result

- **Shipment Clearance:** Resolved the 203-ton shipment delay within days, avoiding financial losses and restoring EU client confidence.
- **Supplier Collaboration:** Achieved 95% supplier data submission through trust-building demos, leveraging Simplex's up-to-date data.
- **Cost Efficiency:** Reduced CBAM reporting costs by 40% via automation, freeing resources for innovation.
- **Timely Compliance:** Delivered 100% on-time EU-compliant reports, preventing further penalties or delays.
- **Carbon Tax Accuracy:** Ensured precise emissions calculations, minimizing tax liabilities.
- **Audit Success:** Passed EU audits seamlessly, with validated reports and GDPR-compliant processes reinforcing Simplex's global reputation.

Conclusion

With CleanCarbon.ai's expertise, Simplex Engineering Co. overcame a critical shipment delay and established robust CBAM compliance, strengthening their position in the EU market. CleanCarbon.ai's rapid, automated solutions delivered cost savings, regulatory success, and sustainability alignment. For exporters facing CBAM challenges, CleanCarbon.ai offers a reliable path forward. Visit cleancarbon.ai to book a consultation and transform your CBAM journey.



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