



POWERING SUSTAINABLE INFRASTRUCTURE – HOW CLEANCARBON.AI HELPED FLEXSOL ACHIEVE SEAMLESS **CBAM COMPLIANCE & CARBON EFFICIENCY**



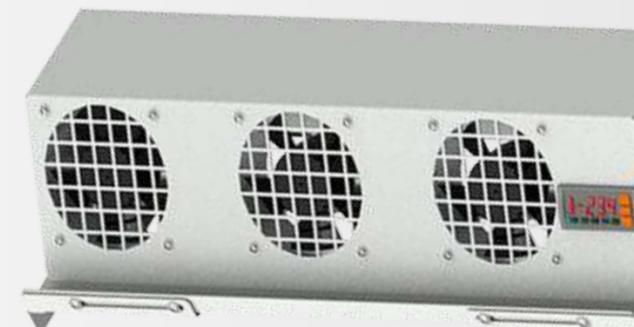
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Case Study

Client Overview

Flexsol, a global leader in smart infrastructure, is driving the future of connectivity with innovative solutions like standalone mini data centers and smart poles. As they expanded their footprint in the European market, they faced new regulatory challenges regarding the EU's Carbon Border Adjustment Mechanism (CBAM).



Business Challenges

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- 1. Data Fragmentation:** Emissions data was siloed across suppliers and manufacturing units, making it difficult to calculate the embedded carbon in their products.
 - 2. Regulatory Complexity:** The evolving EU CBAM rules required specific reporting formats (XML/Excel) and verified methodologies that their internal team was not equipped to handle.
 - 3. Supplier Engagement:** Flexsol needed to collect Scope 1, 2, and 3 emissions data from their vast network of component suppliers without disrupting operations.

Solutions Provided by CleanCarbon.ai

CleanCarbon.ai deployed a three-phase strategy to turn Flexsol's compliance burden into a competitive advantage.

Phase 1: ERP Integration & Automated Data Flow

We integrated our platform with Flexsol's existing ERP systems. This allowed for real-time extraction of production data and automated calculation of embedded emissions, eliminating manual spreadsheet errors.

Phase 2: Supplier Enablement Program

To address supply chain emissions, we provided Flexsol's vendors with a lightweight, intuitive interface. This tool allowed suppliers to input their energy consumption data effortlessly, ensuring high participation rates without requiring technical expertise.

Phase 3: EU-Ready Reporting & Tax Optimization

Our CBAM experts validated the collected data and generated EU-compliant XML and Excel reports. By accurately classifying products and emissions factors, we identified opportunities to reduce Flexsol's CBAM tax liability by nearly 30%.



Result



30% Cost Savings on Carbon Tax:

By leveraging [CleanCarbon.ai](#)'s precise emissions calculation engine, Flexsol avoided over-reporting and paid significantly lower carbon taxes than industry averages.

Operational Efficiency:

What previously took weeks of manual data consolidation was reduced to automated daily tracking. Flexsol's compliance team now uses our dashboard for instant visibility into their emissions profile.

Strengthened EU Market Position:

With verified, audit-ready reports, Flexsol demonstrated its commitment to sustainability and transparency. This has become a key differentiator when bidding for EU smart city and telecom infrastructure contracts.

Conclusion

The partnership between Flexsol and CleanCarbon.ai showcases how effective CBAM management can turn regulatory challenges into business opportunities. For Flexsol, compliance is about market access, cost optimization, and brand sustainability in a low-carbon Europe. By integrating CleanCarbon.ai's solutions, Flexsol has secured EU contracts and become a favored partner for eco-friendly cities and telecom operators. This collaboration demonstrates that sustainability and profitability can coexist, allowing Indian manufacturers to navigate global trade complexities while enhancing their innovative reputation.



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