

CASE STUDY

STL Fasteners

**Enabling STL Fasteners to Meet CBAM
Compliance with Innovative Solutions**



The background of the slide features a close-up photograph of industrial fasteners, including a large hex bolt and several hex nuts, set against a dark, metallic surface. A prominent green diagonal stripe runs from the top left towards the bottom right, intersecting the fastener images. In the upper right corner, there is a pattern of small, light gray downward-pointing triangles.

Client Overview

STL Fasteners is a prominent manufacturer of industrial fasteners, known for their precision engineering and high-quality standards. With a significant presence in global markets, including the European Union, STL Fasteners emphasizes product reliability and sustainability to meet the growing demands of international clients.

Business Challenges

The introduction of the EU's Carbon Border Adjustment Mechanism (CBAM) posed several challenges for STL Fasteners:

- Carbon Accounting: Establishing a reliable system for tracking and reporting carbon emissions across their operations.
- Regulatory Adaptation: Ensuring compliance with CBAM to maintain their competitiveness in EU markets.
- Cost-Efficient Sustainability: Integrating eco-friendly practices without escalating production costs.





Solutions Provided by CleanCarbon.ai

CleanCarbon.ai partnered with STL Fasteners to design and implement customized CBAM solutions, helping them address compliance and sustainability challenges effectively:

Carbon Footprint Assessment:

Conducted a comprehensive audit of STL Fasteners' manufacturing processes to measure emissions. Identified key areas for improvement and provided actionable strategies to reduce carbon intensity.

CBAM Compliance Framework:

Developed a roadmap for seamless adaptation to CBAM requirements, ensuring accurate reporting and compliance documentation.

Simplified processes for easier adherence to evolving EU regulations.

Technology Implementation:

Deployed CleanCarbon.ai's advanced carbon monitoring platform for real-time data tracking.

Enabled the integration of emission data into STL Fasteners' operational workflows for enhanced decision-making.

Training and Support:

Conducted training sessions to empower STL Fasteners' teams with knowledge of CBAM compliance.

Provided ongoing support to navigate regulatory changes and enhance sustainability efforts.

Result

- **Regulatory Compliance:** Achieved full alignment with CBAM requirements, ensuring uninterrupted exports to the EU.
- **Emission Reductions:** Implemented strategies that reduced carbon footprint while maintaining operational efficiency.
- **Cost Optimization:** Streamlined processes led to savings in production costs without compromising quality.
- **Sustainability Leadership:** Reinforced STL Fasteners' reputation as a responsible and sustainable supplier in international markets.



Client Testimonial

"CleanCarbon.ai's innovative solutions and dedicated support have been instrumental in our journey to CBAM compliance. They have enabled us to align with global sustainability standards while staying competitive."



**Representative,
STL Fasteners**

Conclusion

CleanCarbon.ai's partnership with STL Fasteners demonstrates how tailored CBAM solutions can empower manufacturers to overcome regulatory challenges and embrace sustainability. By integrating advanced tools and strategies, STL Fasteners has solidified its position as a forward-thinking leader in the fasteners industry.



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