



HOW SEWAK FORGINGS STREAMLINED CBAM REPORTING WITH CLEANCARBON.AI



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Case Study

Client Overview

Founded in 1994, Sewak Forgings has grown into a leader in the manufacturing and export of scaffolding couplers, formwork accessories, and forged steel components. With a sprawling 17,500-square-yard facility in Ludhiana and a workforce of over 500, the company leverages heavy-duty infrastructure—including drop forging hammers and 600-ton hot forging presses—to serve a global clientele. Their commitment to quality and "steel-like resolve" has made them a trusted partner for construction projects across Europe, the Middle East, and beyond.

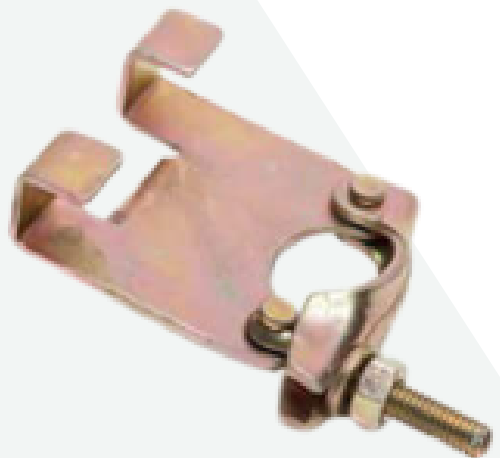
Business Challenges

- **Complex Embedded Emissions:** Calculating the carbon footprint across energy-intensive processes like hot forging and machining required specialized knowledge that went beyond traditional production accounting.
- **EU Regulatory Pressure:** European importers required precise, audit-ready carbon data to avoid the default emission values—which are set at the 90th percentile of EU production and would have rendered their products less price-competitive.
 - CFP Energy
- **Supply Chain Complexity:** As the company exports to diverse regions, managing separate data sets for different EU-based clients created significant administrative bottlenecks for their logistics and management teams.

Solutions Provided by Cleancarbon.ai

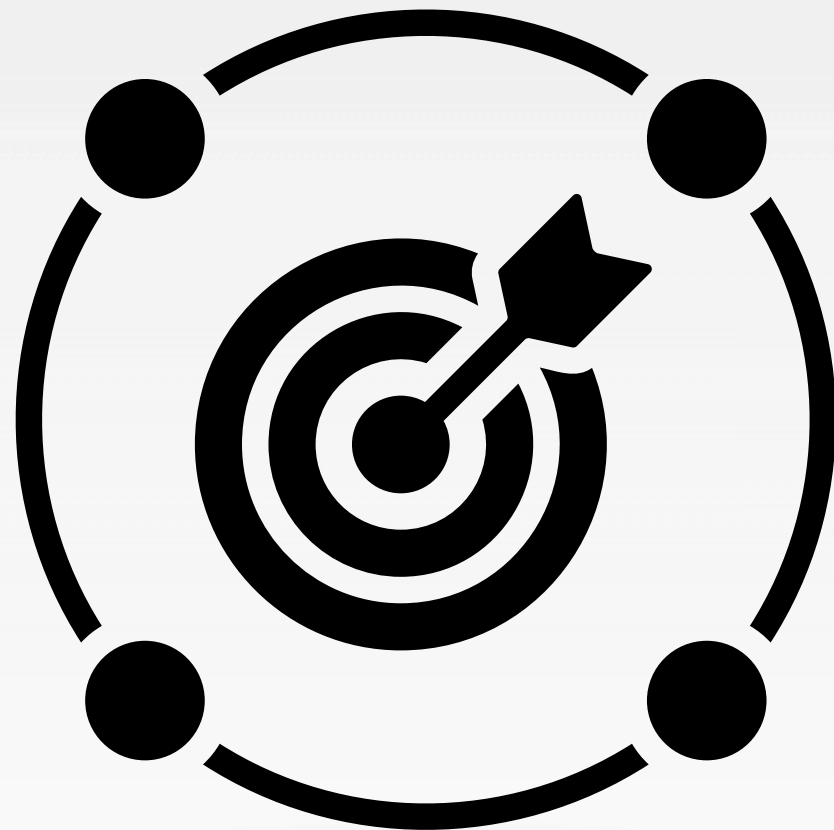
Sewak Forgings integrated CleanCarbon.ai's cloud-based platform to transform their compliance strategy from a reactive manual process to an automated, data-driven system:

- **Automated Emission Mapping:** CleanCarbon.ai mapped the entire forging lifecycle—from raw material energy inputs to final component finishing—ensuring accurate, real-time reporting of embedded emissions.
- **Streamlined Regulatory Templates:** The platform automatically formatted complex production data into the exact templates required by EU importers, eliminating the risk of reporting errors or missing documentation.
- **Operational Decarbonization Insights:** Beyond simple compliance, CleanCarbon.ai provided Sewak Forgings with data-driven insights to monitor the carbon intensity of their forging presses, identifying opportunities to optimize energy usage.



Result

- **Seamless EU Market Access:** With audit-ready compliance data, Sewak Forgings prevented trade delays and ensured their components remained attractive to European importers who prioritize sustainable, transparent supply chains.
- **Operational Efficiency:** The transition from manual Excel-based tracking to CleanCarbon.ai's automated platform significantly reduced the administrative load on the management team, allowing them to redirect resources toward production and R&D.
- **Elimination of "Default Value" Risks:** By providing actual, verifiable data, Sewak Forgings avoided the "default emission" penalties that can artificially inflate the carbon footprint of imported steel, protecting their competitive pricing.
- **Future-Ready Positioning:** Sewak Forgings has now established a scalable foundation for future environmental disclosures, ensuring they remain ahead of global sustainability trends and tightening import regulations.



Conclusion

The partnership between Sewak Forgings and CleanCarbon.ai highlights that even well-established manufacturers in traditional sectors like scaffolding and forging can thrive under modern climate regulations. By adopting automated compliance, Sewak Forgings has successfully protected its legacy of quality and international trust, ensuring that their Indian-made components continue to build the future of European infrastructure.



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