

Life Cycle Assessments and Product Carbon Footprint

● What is a Life Cycle Assessment (LCA) and Product Carbon Footprint (CFP)?

Life Cycle Assessments (LCA) enable an organization to better account a product's environmental impact (Product Carbon Footprint - CFP) over the course of its entire or partial life cycle, from raw material extraction, production, use and retail, and finally to its end-of-life. LCA provides critical data that supports sustainability initiatives and targets by quantifying and analyzing the current environmental impacts of products' supply chain (e.g., carbon footprint, water footprint) and evaluating and prioritizing the improvement opportunities and future targets within a given process technology.

● How BSI Consulting can help

BSI enables professionals in creating opportunities to drive change and make informed decisions about their products' environmental impacts through the development of LCA frameworks, playbooks, trainings, and assessments. BSI's LCA services are designed to help your organization make favorable environmental related decisions regarding the selection of materials and product design, supply chain management, and communication to customers, consumers, investors, and other stakeholders.

BSI's LCA results yield valuable insights on energy use, greenhouse gas emissions, water usage, waste generation, and more. By providing this information, organizations can demonstrate their commitment to sustainability and help customers make more informed purchasing decisions. Additionally, organizations can use LCA information to identify and develop areas for improvement in their own operations and supply chains.

Why BSI?

The rising attention toward sustainability has motivated companies in their commitment to carbon reduction goals and energy efficiency. BSI's expertise can help clients improve their environmental impact to be resilient, competitive, and successful.

Comprehensive LCA Training:

Designed to provide instructions and skills development on product Life Cycle Assessments aligned specifically to the organization's goals. Your staff will have a deep understanding of LCA concepts, product development process and LCA accounting tools to conduct and implement their LCA. BSI trainings range from a short 1-hour session comprehensive multi-hours 7 sessions. Trainings delivered via e-learning, video conference or in-person.

LCA Playbook:

LCA Playbook will provide technical guidance to your staff on the purpose, methods, structure, and options related to product LCAs. The playbook is designed to support decision-making related to product design, supply chain management, and choice of materials. The playbook will guide your staff on how and what to communicate to your customers and stakeholders regarding your sustainability efforts and environmental impacts.

Assessments:

BSI conducts Life Cycle Assessments and Carbon Footprint of Products (CFP). BSI follows ISO 14040 and ISO 14044 standards for Life Cycle Assessments and ISO 14067 standards for Carbon Footprint of Products using LCA.



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