

The Business Value Of Life Cycle Assessment (LCA)

Managing the environmental performance of products and services is essential to **sustainable development** and your **business success**. Life cycle assessment (LCA) is a **holistic and science based methodology** that quantifies the potential

environmental impacts of products or processes along the entire value chain. LCA **supports your business** by providing unique insights into the benefits and trade-offs associated with your product.

Business Value



Profitability

- Marketing claims based on LCA can **grow market share**, enhance **brand image**, and demonstrate **competitive advantage**.
- LCA can reveal opportunities to **reduce costs** and **optimize supply chains**.



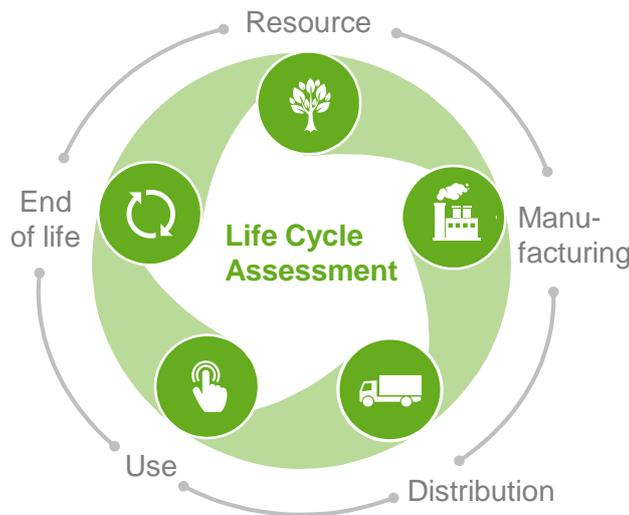
Strategy

- LCA can identify **product hot spots** or **unintended trade-offs**.
- LCA results help quantify issues and opportunities throughout the supply chain leading to **more informed business decisions**.

Customer Support



- LCA supports active **customer collaboration** focused on driving innovation and market differentiation.
- LCA supports value chain **transparency**.



Success Stories

Customer Support – Environmental Product Declarations (EPDs)

Supported through Life Cycle Assessment, BASF offers a unique EPD service that generates 3rd party validated, customized EPD documents that help concrete producers to differentiate themselves and take advantage of sustainable construction opportunities



Supply Chain Optimization – Customer Savings

Eastman used LCA to evaluate and communicate the GHG emissions for its product shipment options. This enabled significant GHG savings in transportation, storage, and processing, thereby lowering their customers' manufacturing costs while increasing production rates (increased revenue).



External Reporting – Carbon Footprint and Offset Purchases Reductions

Collecting process specific LCA data from suppliers allowed Interface to reduce the carbon footprint of a packaging material by 60%, reduce annual carbon offset purchases by over 5,000 metric tons, and improve the company's performance reported to the Carbon Disclosure Project (CDP).



The American Center for Life Cycle Assessment (ACLCA) is a nonprofit membership organization providing education, awareness, advocacy and communications to build capacity and knowledge of environmental LCA. ACLCA membership consists of industry, academia, government, consulting, and NGOs. To learn more, please visit <http://www.aclca.org/>. Kohler, Eastman Chemical and Interface are proud members of the ACLCA Industry Committee and work together with their industry colleagues to promote the broader application and use of LCA as a strategic business tool.

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Industry Committee

