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 Business Value Of Life Cycle Assessment (LCA)

Industry Committee

[Logos of various companies]