

LIFE CYCLE ASSESSMENT

Intertek Assuris

Assessing holistic life cycle impacts and resource use to optimize performance, demonstrate compliance and minimize risk. Intertek is uniquely positioned to help organizations understand, achieve and validate their existing and emerging sustainability goals.



A Life Cycle Assessment (LCA) is an internationally recognized tool for measuring the environmental, social and economic attributes of a product, material or process. LCAs measure the impact of each component of the product during every stage of the product life cycle, from raw material extraction to end of life.

Other sustainability initiatives that adopt LCA fundamentals that are offered through Intertek's Sustainability expert services include Environmental Product Declarations (EPDs), carbon & water footprinting, recycling & waste declarations, sustainable claims support, and sustainable packaging solutions.

LCA Benefits

- Receive in depth analysis of environmental impacts for decision-making,
- Navigate regulatory, compliance and consumer driven requirements,
- Identify stages of the supply chain that have the most environmental energy impacts optimize accordingly,
- Meet the demand for transparency and demonstrable improvement of product, package, process, etc.
- Reduce resource use and operating costs (e.g. energy, water, etc.).
- Certify, verify and label products and packaging.

Our LCA practitioners conduct impact assessments based on the life cycle inventory (LCI) of the product, which includes data from resource and energy use (inputs) and emission and waste (outputs) of the product. After detailed product information is inventoried, our report specifies the various environmental impacts and their effects on climate change, ozone depletion potential, human health, non-renewable resources, and more.

As the world renowned third party organization, Intertek aims to provide solutions to address the needs for companies to measure, verify and manage their carbon and environmental impacts.

Our Services

No matter the LCA objectives, Intertek's sustainability experts and LCA practitioners perform LCA services for products, food, chemicals, packaging, processes, buildings and businesses in all industries. Our services include (but are not limited to) the following:

- Life Cycle Assessment
- Carbon / Water footprint
- Carbon / Water footprint verification
- Environmental Product Declaration (EPD)
- Certification and Labeling

The Intertek Advantage

Intertek is a leading Total Quality Assurance provider to industries worldwide. Our network of more than 1,000 laboratories and offices in more than 100 countries, delivers innovative and bespoke Assurance, Testing, Inspection and Certification solutions for our customers' operations and supply chains. Intertek Total Quality Assurance expertise, delivered consistently with precision, pace and passion, enabling our customers to power ahead safely.

Through our global network of Sustainability Experts and integrated Assurance, Testing, Inspection, and Certification solutions, Intertek is uniquely placed to help organizations understand, achieve and validate their existing and emerging sustainability goals.

Total Quality. Assured.

FOR MORE INFORMATION

 sustainability@intertek.com

 [intertek.com/assuris/sustainability/lca/](https://www.intertek.com/assuris/sustainability/lca/)