

Life Cycle Assessment

Consulting Services



Valued Quality. Delivered.



Life Cycle Assessment (LCA) is the most comprehensive method for assessing the overall environmental impact of products, processes or services through all life cycle stages - from raw material extraction through to production, distribution, use, waste management and final disposal.

Some of the major drivers for the increased use of LCA by the public and private sector are:

- Increase efficiency and productivity
- Reduce operation costs
- Support marketing claims
- Product improvement and benchmarking
- Aid corporate image and stakeholder communication
- Demonstrate compliance with existing regulation

The use of LCA encourages preventative and proactive environmental management rather than reactive end-of-pipe approaches. It acknowledges that all phases of a product's life have an impact on the environment and these impacts can be quantified and compared.



Life Cycle Assessment Services

The Sustainability Consulting team at Intertek Expert Services has over two decades' experience in the field of sustainability. The team offers a comprehensive range of LCA services including:

- Streamlined LCA assessments and full LCA studies
- Independent Peer Review services
- Environmental Product Declarations
- LCA training, support and advice
- Software tools: bespoke LCA tools and LCA software

Streamlined Life Cycle Assessment

At its simplest level, a streamlined LCA can use existing datasets to develop outputs that provide 80% of the result at 20% of the cost. We can provide a streamlined LCA that can:

- Require limited information from you on your product or service
- Provide a visually stimulating presentation that clearly communicates findings
- Relate your impacts to real world examples
- Provide an initial understanding of your environmental footprint
- Identify environmental drivers that benefit from measurement and reduction

Peer Reviews & Environmental Product Declarations

Once your LCA is complete there are a number of options to give you credibility and environmental stature including a peer review or an Environmental Product Declaration (EPD). A peer review provided by an external body can review and validate your LCA against existing ISO standards ensuring that your LCA has integrity in the market. An EPD can be used to label and market your product or service's environmental merit against your competitors.

Full "Cradle to Grave" Life Cycle Assessment

A full LCA can provide you with a detailed analysis of your product or service. This includes:

- An embedded measurement process providing high quality input data
- A hotspot analysis identifying key areas of your operation that generate environmental impacts
- A sensitivity and uncertainty analysis providing an understanding of the influence of variability on your results
- An assessment of next step options to prioritise and reduce your ecological footprint

Bespoke LCA Tools

If you require continuous assessment of similar projects, products or services we can develop bespoke tools that require limited input to provide valuable outputs. We can:

- Identify key metrics, such as material weight or transport distance, that are pivotal to your impacts
- Produce indicators that are specific to your requirements, such as water or carbon
- Develop an Excel based tool and measurement framework, enabling future assessment to be conducted in-house

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