

Life Cycle Assessment Services

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Life Cycle Assessment (LCA) is a well-established environmental accounting tool used to identify, characterise and assess environmental impacts across a product's entire life cycle from raw material extraction ('cradle') to final disposal ('grave').

By taking a systems perspective, LCA tools help businesses understand the flows of matter and energy involved in the material, processing, distribution and packaging elements of a product system.

Thus, LCA's can help you:

- Reduce operational costs by identifying areas in which inefficiencies and environmental damages occur
- Prioritise environmental investments by focusing on product hotspots
- Make informed decisions and implement changes that improve your product's environmental performance
- Improve corporate image and consumer trust by demonstrating knowledge of supply chain impacts and supporting marketing claims
- Demonstrate regulatory compliance



LCA can support your ISO Management System objectives by proactively managing risks to the environment and product quality, reinforcing the continual improvement cycle.

Our Services

Our consultants leverage their diverse technical backgrounds and environmental knowledge to deliver bespoke, streamlined assessments utilising specialist software and a comprehensive methodology that is widely supported by industry and academia.

- Streamlined and full Environmental Profiles
- Benchmarking LCA
- Environmental Scenarios Modelling

Environmental Profile (EP)

Involves a detailed evaluation of the environmental impacts associated with a single product system, assessing the individual contribution of ingredients, materials and processes, in addition to the cumulative environmental load of the product system.

(Single and multiple indicator options available)

Streamlined Environmental Profile

Provides an insight into the likely environmental issues a product system represents at low cost. They are based on generic data and standard modules for transportation/energy production, followed by a simplified assessment that focuses on the most important life cycle stages.

(Single and multiple indicator options available)





Benchmarking LCA

Compares the environmental 'preferability' of two developed products with the same function. Allows you to (1) narrow your product range based on their environmental impact and (2) benchmark your product's environmental footprint against a competitor's product.

(Single and multiple indicator options available)

Environmental Scenarios Modelling (ESM)

Identifies the preferable product development options by comparing impacts given a range of inputs (choice of materials/ingredients, suppliers, locations, energy sources). ESM can help you create innovative, differentiated products that can help you achieve a competitive advantage.

Service	Timescale (months)	Cost
Streamlined Environmental Profile (EP)		£
Environmental Profile (EP)		££
Benchmarking LCA		£££
Environmental Scenarios Modelling (ESM)		££££

Contact us

 www.yordasgroup.com
 info@yordasgroup.com