

LCA - LIFE CYCLE ASSESSMENT

The LCA analysis (LIFE CYCLE ASSESSMENT) carried out in compliance with the ISO 14040 and ISO 14044 standards is a tool that allows you to measure the environmental impacts of a product considering all the phases of its life cycle, from extraction of raw materials to transport, from production to distribution, from use to final disposal. It is therefore a complete evaluation "from the cradle to the grave".

The detailed study of the impacts along the supply chain allows us to understand precisely which are the most critical phases, favoring the adoption of specific measures capable of improving the performance over time.

Furthermore, LCA analysis is the first step in a systematic improvement process based on an innovative thinking model: **ECO-DESIGN**.

In fact, in addition to supporting the modification of production processes, the results of an LCA study can profoundly influence the design choices (or re-design) of the products themselves. This is the basis of the eco-design principle which aims to ensure optimal management of some environmental characteristics of the product from the design stage: for example its durability and recyclability at the end of its life.

ADVANTAGES

Optimization of production processes

Minimization of waste and inefficiencies

Identification of the most impactful phases

Sustainable design

OUR SERVICES

Support in conducting LCA analysis

Assistance during the verification by certifying body

The LCA analysis, in addition is the basis for many current internationally recognized environmental communications and verification from third party certifications:

EPD (ENVIRONMENTAL PRODUCT DECLARATION) according to ISO 14025

CF (CARBON FOOTPRINT) according to ISO 14067

These certifications permit the companies to:

Have a competitive advantage in the tenders held by the Public Administration

Enhance the company's image, brand value and the reputation

Communicate the impacts in a transparent manner by certification

Obtain scores in the environmental rating systems

