



LIFE CYCLE THINKING

Environmental sustainability is not only an ethical commitment; it represents a strategic factor of business with important effects on the way we produce, we consume, we act...

The new standard for environmental management systems ISO 14001:2015 shifts the target of Companies from “Pollution prevention” to “Environmental protection”.

We need a new approach to evaluate the environmental sustainability and the circular economy provides us the necessary tools to deal with this change.

...OPTIMIZATION OF INTERNAL PROCESSES...
 ...ASSESSMENT OF CONSUMPTION...
 ...MONITORING AND EMISSION CONTROL...

Life Cycle Thinking means going beyond these boundaries.

LIFE CYCLE ASSESSMENT

LCA is a powerful tool to analyze the environmental impacts of products considering all the stages of their life cycle:
 Upstream - PRODUCTION - USE - DISPOSAL - Downstream
(from the cradle to the grave perspective)

LCA provides quantitative data on the environmental profile of products, calculated in accordance with specified procedures and expressed through indicators.

AN ESSENTIAL TOOL FOR ECO DESIGN

LCA is the basis of the current international forms of environmental communication, such as EPD (Environmental Product Declaration) and PEF (Product Environmental Footprint).

IT'S A GREAT COMPETITIVE OPPORTUNITY to communicate awareness and sensibility to environmental issues and to show commitment for a sustainable growth.

ENVIRONMENTAL COMMUNICATION

EPD (Environmental Product Declaration) is an independently verified and registered declaration containing transparent and comparable information about the environmental impacts of products.

INTERNATIONAL ACCEPTANCE

EPD is created and verified in accordance with International Standard ISO 14025 and it is based on LCA analyses according to ISO 14040 and ISO 14044.

To be able to fulfill high market expectations EPDs have to meet and comply with specific and strict procedural prerequisites.

Product Category Rules (PCR) define the requirements for LCA analyses and EPDs of a certain product category enabling transparency and comparability between EPDs.

WHY NEED AN EPD

The EPD system supports Companies to communicate the environmental performance of their product for:

- *Building Assessment Schemes* –
- *Green Public Procurement* –
- *Environmental Management Systems* –
- *Business to Business Communication* –
- *Business to Consumer Communication* –
- *Eco Design Requirements* –

www.environdec.com



PEF (Product Environmental Footprint)

The European Commission is testing with Pilot Projects the Product Environmental Footprint PEF as a common way of measuring environmental performance.

www.ec.europa.eu



OUR SERVICES

We are specialized in TIC (Testing, Inspection and Certification) services of products and production processes and we strongly believe that certification systems cannot be restricted only to the control of quality requirements. Today, it's not enough to know how to make good products; it is necessary to make them efficiently and sustainably.

SUSTAINABILITY HAS BECOME A KEY FACTOR OF BUSINESS
and certification systems should contribute to the development of the sustainable productions.

We aspire to promote these ideas.

We strive to be a leader of this change.

We strongly believe in these commitments and we guarantee expertise, passion and transparency.

We offer:

LIFE CYCLE ASSESSMENT – SUPPORT SERVICES TO EPD
14021 CERTIFICATION OF SELF-DECLARED ENVIRONMENTAL CLAIMS
SUSTAINABILITY MANAGEMENT – TECHNICAL REVIEW – ENERGY AUDITING
COMPETITIVENESS SURVEY – PROJECT ADVISING – MASTER PLANNING CONSULTING
COMMUNICATION AND REPORTING CONSULTING
TRAINING AND EDUCATION

WE ARE WORKING ON

LCA analyses and support services to EPD for
CONSTRUCTION PRODUCTS
APPLIANCES AND COMPONENTS FOR THERMAL SYSTEMS

“To boost sustainable growth, we need to make sure that the most resource-efficient and environmentally-friendly products on the market are known and recognizable. By giving people reliable and comparable information about the environmental impacts and credentials of products and organizations, we enable them to choose. And by helping companies to align their methods we cut their costs and administrative burdens”

Janez Potocnik

EU Environment Commissioner (2010-2014)

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