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SUSTAINABLE DEVELOPMENT



Life Cycle Assessment - Environmental Product Declaration-Ecolabel - Environmental Balance. It is absolutely no doubt that the management of the environment is today entrance, fully, in the group of business strategies. Companies pay more attention to these issues, and market trends, consider the business environment a critical success factor.

Life Cycle Assessment (LCA)

The LCA is a tool for the "Compilation and evaluation throughout the life cycle of the flows in and out, and the potential environmental impacts of a product system". It is, more particularly, to an objective procedure for the evaluation of environmental loads related to a product or a service, carried out through the identification of energy, materials used and wastes released to the environment.

"The LCA studies the environmental aspects and potential impacts throughout the life of a product (that is, from cradle to grave) from the acquisition of raw materials, through manufacturing and use, to disposal."

The analysis is performed on the entire life cycle of the product or service and includes the extraction and processing of raw materials, manufacturing, transportation, distribution, use, reuse, recycling and final disposal, highlighting, stage by stage, the influence of the various parties involved (designers, suppliers, distributors, consumers, ...).

Environmental Product Declaration (EPD):

The EPD is applicable to all products regardless of their use or placement in the production chain. The EPD has information purposes only and therefore does not provide for minimum levels that the environmental performance of the product or service in question must respect.

The EPD also based on an LCA study, is emerging as an excellent communication tool of the environmental performance of a product / service, thanks to the drafting of a document that can provide objective and comparable, used by the company to enhance their communication strategies and marketing. The EPD must be verified and validated by an independent accredited certification body that ensures the credibility and veracity of the information contained in the LCA study and in the declaration.

The EPD system is designed to meet the demands of complete and reliable environmental information on products and services, based on the following premises:

- provide environmental information and better quality that enable anyone to be able to compare the products and / or substitute services;
- provide credible information and quality controlled;
- providing easily understandable to anyone;
- update over time the information on the environmental performance of products / services offered.

Ecolabel: is the European Brand for the environmental certification that aims to promote the market products with a reduced environmental impact.

- **Life Cycle Assessment (LCA)**
- **Eco-Design**
- **Carbon Footprint**
- **Water Footprint**
- **Life Cycle Cost (LCC)**
- **Material Flow Cost Accounting (MFCA)**
- **Energy Using Product (EUP)**
- **Environmental communication**
- **IPPC - AIA**
- **Emission Trading System (ETS)**
- **Energy audits**
- **Energy Certification of Buildings**
- **Education and Training**

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COMMENTS FROM WHO PARTICIPATED IN OUR COURSES

"...The course overall is good, well structured and addresses all the issues of LCA and Sustainable Development in general..."

"...I found very useful the presentation of the practical example on how you set an LCA and how you interpret the results..."

"...It's been provided a comprehensive overview of certification schemes and environmental labels currently available..."

"...Very interesting the practical approach to LCA and the presentation of the calculation methods..."