LCA to go

pcb - webtool and support package

a webtool to enable designers of electronic products and producers of printed circuit boards (PCBs) to assess and improve the environmental performance of PCBs

The LCA to go webtool enables PCB* producers and electronic product designers to quantify the environmental performance of their PCBs. By entering technical performance specifications users can calculate the PCB relevant Key Environmental Performance Indicators. These Key Environmental Performance Indicators can be used to optimise the design of a PCB.

The LCA to go webtool quantifies the energy and water consumption, the carbon footprint and the amount of recyclable material contained within a PCB. This information can be shared with potential clients, be used to optimise production, increase energy savings and improve product quality. The LCA to go webtool provides users with PCB relevant RoHS compliance information, which have to be considered during the production process. (Note: RoHS relates to the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment).

**A PCB or Printed Wiring Board is a board that mechanically supports and electrically connects electronic components through conductive pathways manufactured onto a non-conductive substrate. It forms part of a larger electronic product.*

available support package

- A free webtool that is quickly accessible without the need to install software.
- A quick and easy life cycle based environmental assessment using easily accessible information.
- A carbon and water footprint.
- An overview of a PCB's Key Environmental Performance Indicators, which can be used to improve PCB and electronic product designs.
- Free mentoring by LCA and PCB experts through workshops, site visits, online tutorials and online support.

LCA to go

what is life cycle thinking?

All products have life cycles with interlinked stages that include supply chains, production, distribution, use and disposal. Every product has positive and negative environmental impacts along its life cycle. These environmental impacts are influenced by decisions made within each company involved in the product's lifecycle.

LCA to go uses Life Cycle Based Assessments to quantify these environmental interactions and relate them back to a company's decisions. The results from a Life Cycle Based Assessments can be used to identify environmental and commercial performance improvements. These improvements can be in the form of reduced environmental pollutants, reduced energy consumption improved product quality or increased use of environmentally responsible resources.

the life cycle of printed circuit boards

icons courtesy of www.thenounproject.com

LCA to go is a Seventh Framework Programme led by the Fraunhofer Institute. It aims to boost Life Cycle based Assessment within Small and Medium Sized Enterprises by developing a Life Cycle Based Assessment webtool for seven sectors: bio-based plastics, industrial machinery, electronics, photovoltaics, printed circuit boards, sensors and smart textiles.

To sign up to the LCA to go webtool or support package please visit

www.LCA2go.eu

or contact you national support agent

Jude Sherry
Ecodesign Centre
United Kingdom
jude@edcw.org

Fraunhofer Eldos ITR eco Ecodesign Centre Wales Canolfan Ecoddylunio Cymru SEVENTH FRAMEWORK PROGRAMME