



Printed Circuit Board and Electronics Case study



TechnoSystem
Wojciech Niedźwiedź

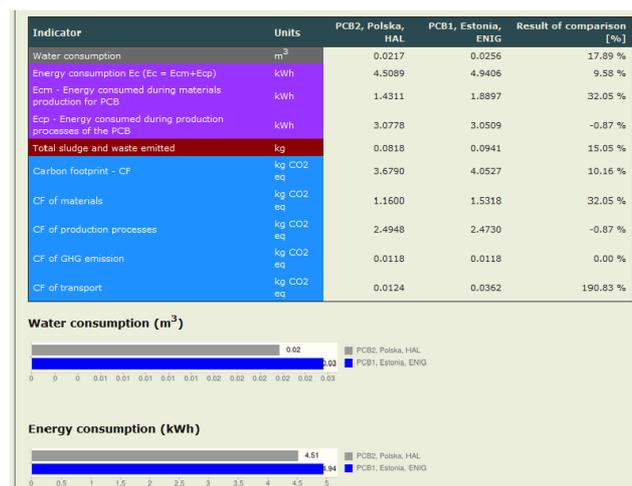


(Poland)

The company TechnoSystem specializes in contract electronics assembly of different electronics products. They use client’s components or choose and buy PCBs and components ourselves for electronics products which they manufacture. It is a micro enterprise operates mainly on the Polish market.

Mr Janusz Wasylew responsible for designing processes and purchasing in TechnoSystem as well as Wojciech Niedzwiedz - the owner of the company - supported by project team from ITR had the opportunity to take part in the discussion and mentoring concerning Life Cycle Assessment of products from PCB and Electronics sectors as well as to check practical possibility of the tool offering by the “LCA to go” project during a site visit at the SMEs premises at 14 March 2014.

The LCA assessment procedures for products from electronics sector were shown based on the Netbook example. Next the “LCA to go” tool was used for the assessment of different variants of PCBs and product marked as the TS865i. For example the influence of PCB’s place of manufacture was checked to assess the influence on carbon footprint – This issue was interesting for the company because they purchasing PCBs from different countries. The Basic version of the PCB’s tool was chosen during this study. The example of results for assessed PCB marked “PCB1 Estonia ENIG” and “PCB2 Polska HAL” was showed below.



Mr Wasylew said: “The tool is very easy and help us develop future production strategy. We use the tool results for improvement of environmental efficiency of our products - especially energy consumption. We will try to use the tool also for marketing purposes”.