

## **Life Cycle Assessment (LCA) as part of Life Cycle Management (LCM) in daily application within corporations**

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Growing environmental awareness by politicians and the society and increasing costs for energy supply, released emissions and waste, require that corporations understand the effects of their products and processes on the environment and the dependencies of their operations from resources.

Life Cycle Assessment as an approach based on physical process chains provides the basis for decision support in daily application and long term strategy. A corporation prepared for the changing situations nowadays has to integrate environmental aspects into their product development process as part of LCM thinking. This leads to ensure that all departments understand the challenges related to their activities and be prepared with effective tools to create the best design fulfilling these additional issues.

On the one hand side the proposed presentation will focus on the data demand and information requirements within the different company departments. On the other hand side effective approaches and existing tools will be introduced which support the daily work towards accepting the new challenges. The presentation will also address the need for an increased communication and interaction within companies regarding ecological requirements resulting from new regulations (e.g. EU-Directive on End of Life vehicles, WEEE – on waste electrical and electronic equipment and RoHS – on restriction of the use of certain hazardous substances in electrical and electronic equipment. In addition the presentation will show market drivers how to identify ideal product design and how to minimize costs for end of pipe solutions.