

## sensors - webtool and support package

### a webtool to enable industrial sensor providers to quantify the environmental and financial benefits of installing a sensor system

The LCA to go webtool enables sensor providers to compare the environmental performance of a non-monitored industrial system to a monitored sensor-based system. Better monitoring and control of industrial systems can lead to a reduction of downtimes, higher machining speeds, improved product quality, reduced yield losses and epitomised auxiliary dosing.

The LCA to go webtool links Overall Equipment Effectiveness to Key Environmental Performance Indicators. These Key Environmental Performance Indicators enable users to easily communicate the environmental and financial benefits of installing sensors on industrial processes. This information could be beneficial to both process operators and sensor providers.

*\*Industrial sensors are used in a manufacturing environment to monitor an event in any automatic processes with the intention of improving the process's performance.*

### 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.
- An environmental benchmark comparison of an industrial process with and without a sensor system.
- An overview of a sensor's Key Environmental Performance Indicators
- Free mentoring by LCA and sensor experts through workshops, site visits, online tutorials and online support.



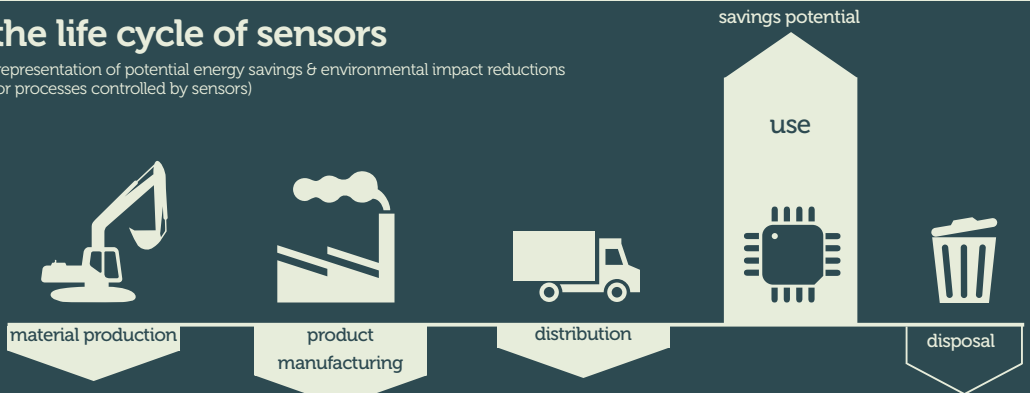
## what is life cycle thinking?

All products have life cycles with interlinked stages including 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 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 sensors

(representation of potential energy savings & environmental impact reductions for processes controlled by sensors)



icons courtesy of [www.thenounproject.com](http://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](http://www.LCA2go.eu) or contact you national support agent

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