



## **GREEN STAR \_ GREEN skills for enterprises - Sustainable Training for Automotive suppliers cluster**

*Start: 10/2013 end: 09/2015 [www.greenskills-project.eu](http://www.greenskills-project.eu)*

### **ACTION PLAN API SPA**

#### **Acknowledgement**

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<b>Result Area:</b>			
<b>Indicator:</b>			
<b>Progress indicator:</b>			
<b>Activities</b>	<b>Time Frame (begin by, complete by)</b>	<b>Person Responsible</b>	<b>Inputs/Costs</b>
Definition of the goal and technical elements of the LCA project	Within Oct. 2014	Brunetti/Meneghetti	
Assignment to CVR the LCA project. Information and technology sharing with CVR: mapping of the process and products	Within Nov. 2014	CVR/Cocco/Seragio/Zanella/Busnardo	
Information and technology sharing with a selected API Customer (Sustainability, Production, Logistic and Design Offices): mapping of the process and products	Within Nov. 2014	Busa/Meneghetti	
Information sharing with CVR: customer facts and needs	Within Nov. 2014	Busa/Meneghetti	
CVR LCA analysis: guidelines for conducting an LCA within the series ISO 14040 and 14044 - Dic. 2014/Jan. 2015	Dic. 2014/Jan. 2015	CVR	
Meeting with CVR and Quality/Business/Marketing Offices to learn the final measured results	Within Apr. 2015	Busa/Meneghetti/Zanetti/Seragio/Tadolini	
Meeting with the Customer and the Business Office to present and understand the final results (decision-maker step)	Within May 2015	Busa/Meneghetti	

## ACTION PLAN

### Executive summary

LCA (Learning & knowledge): an useful methodology for evaluating all the environmental impacts associated with a product/process.

### Profile of the organization or project presenting the plan

LCA is a methodology for evaluating all the **environmental impacts** associated with a product, considering its entire life cycle from the extraction of raw materials to its final disposal.

The main phases of an LCA are:

#### 1) Goal Definition and Scoping

Define and describe the product, process or activity. Establish the context in which the assessment is to be made and identify the boundaries and environmental effects to be reviewed for the assessment.

#### 2) Inventory Analysis

Identify and quantify energy, water and materials usage and environmental releases (e.g., air emissions, solid waste disposal, waste water discharges).

#### 3) Impact Assessment

Assess the potential human and ecological effects of energy, water, and material usage and the environmental releases identified in the inventory analysis.

#### 4) Interpretation

Evaluate the results of the inventory analysis and impact assessment to select the preferred product, process or service with a clear understanding of the uncertainty and the assumptions used to generate the results.

An LCA can help decision-makers to select the product or process that results in the least impact to the environment. This information can be used with other factors, such as cost and performance data to select a final product or process.

#### The benefits of an LCA:

- Strategic re-positioning of the product
- Communicate environmental information that can be used to enhance the product
- Get eco-labeling (es. Ecolabel, Carbo footprint)
- Release Environmental Product Declarations (EPD)
- Do technology strategies

### Management/governance information

Carlo Brunetti (Vice President Innovation) and Marco Meneghetti (Product Development Manager) have verified the project feasibility evaluating the transfer of the LCA results into the business and operation company processes.

### Problem analysis and solution analysis

Due to its complexity, in the beginning the LCA contents and results will be spread to Business, Quality and Operation Offices. The Production Department will involve only in the end, after translating LCA concepts in a simple and easy understanding.

### Work plan

- Definition of the goal and technical elements of the LCA project (Brunetti/Meneghetti) – Oct. 2014
- Assignment to CVR the LCA project. Information and technology sharing with CVR: mapping of the process and products (Cocco/Seragio/Zanella) – Nov. 2014
- Information and technology sharing with a selected API Customer (Sustainability, Production, Logistic and Design Offices): mapping of the process and products (Busa/Meneghetti) – Nov. 2014
- Information sharing with CVR: customer facts and needs (Busa/Meneghetti) – Nov. 2014
- CVR LCA analysis: guidelines for conducting an LCA within the series ISO 14040 and 14044 - Dic. 2014/Jan. 2015
- Meeting with CVR and Quality/Business/Marketing Offices to learn the final measured results (Busa/Meneghetti/Zanetti/Seragio) – Apr. 2015
- Meeting with the Customer and the Business Office to present and understand the final results (decision-maker step) (Busa/Meneghetti) – May 2015

### Summary of results and outputs

Outputs: expertise and competence acquisition relating to LCA contents and benefits. New definition of product-process sustainability and business opportunity.

### Timeframe

October 2014 – May 2015

### Summary of staffing and human resource needs

C. Brunetti, M. Meneghetti, F. Cocco, A. Zanetti, G. Busa, D. Seragio, S. Zanella, D. Busnardo, M. Tadolini

### Appendices and supporting documentation

pdf CVR and Presentation Nov. 2015