EDIT Value
Pilot Phase in Italy with STAFER

Sector: Solutions for installation and operation of rolling shutters
Size: 70 employees
Products: rolling shutters components
Annual Turnover: around 13 million EUR

- The EDIT Value piloting took place from July to September 2014.
- One facilitator (ENEA), one consultant (LCA-lab Srl) and two persons of Stafer Spa were involved in the EDIT Value process.
- “We think EDIT Value is helpful to identify the necessary resources and to evaluate the efficiency of the process” – Plant Manager of Stafer Spa.

1. Initiation and first analysis
   - 2.5 hours (tool introduction to the company)

2. Stakeholder analysis
   - 2 hours (meeting) + 1 hour (elaboration)

3. Input-output analysis
   - 2 hours (meeting) + 2 hours (elaboration)

4. Life cycle analysis
   - 1 hour

5. Walk through
   - 1 hour

6. Identification of core aspects
   - 1.5 hours

7. Suggested applications for core aspects

8. Feasibility study

9. Action plan

- First contact by mail, second contact for further investigation by phone
- Desk study / Pre-compilation of some parts of format
- Useful to put company goals in relation with stakeholders and define which stakeholders have the highest impact on their achievement.
- Resource efficiency is evaluated during design and production in compliance with UNI EN ISO 14001 and EMAS
- Significant result from evaluation: the cost of material loss is 53% of product total cost
- Interest in Life Cycle Assessment (LCA) already in the past: training course for a product simplified LCA
- High percentage of scraps
- Energy consumption can not be allocated to specific processes (e.g. moulding)
- Recent improvements for energy efficiency: use of LED lamps for lighting
- Attention to the involvement of employees: suggestion box and company kitchen garden
- 1. No allocation of energy costs to specific operations
   2. No scraps recovery
   3. It’s not possible to disassemble motor devices for automatic rolling shutters
- A pre-selection and re-arrangement of the elements to be investigated is needed due to time constrains and to avoid repetitiveness.
- 1. Scraps reduction through the design and use of new moulds
   2. Energy screening for processes with Life Cycle Assessment: comparison of different processing options (e.g. welding and moulding) and their level of energy efficiency
   3. Use of tools for environmental communication (e.g. labels and declarations)

- SME recognizes great potential in applying scraps reduction but considers it an expensive action
- Application of Life Cycle Assessment is considered as an interesting action
- SME considers that its market is not ready yet for environmental communication tools as Environmental Product Declaration (EPD) or Carbon Footprint

Lessons learnt:
- Stafer Spa (SME) is evaluating the application of Input-output analysis and Life Cycle Analysis to an extended range of its products, to share the results with specific figures in the staff (quality, production, environment manager) and assess opportunities for improvement.
- Stafer Spa considers the Stakeholders Analysis significantly useful.
- LCA-lab Srl (consultant) thinks EDIT is a useful tool for a consultant to analyse a company (especially for a first screening) but it is necessary to have a proper training about its use.