

# MOVECO WP 5 Innovation Tools

## Activity 5.2 Qualification Programme

Fundamental Business Skills for Green Entrepreneurs

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KEPLINGER SIEGFRIED  
BUSINESS UPPER AUSTRIA



# ***Study Case: Unique furniture from old books!***

## **How to reuse old materials in a new creative way?**

Existing "old materials" are creatively examined as "new materials" and re-processed. For example, the "old material book" is cut into slices of the same format, glued to a base plate in the repeat, cast and sanded off. This is how books become furniture!



# *Study Case: Unique furniture from old books!*

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The society “Kunst vom Rand” translated to English “Art from the edge” creates concepts for the valorisation of periodically accruing waste material through innovative redesign. These concepts should point out new possibilities in the utilization of the obsolete. They attach great importance to the simple processing of socially relevant old materials into unique new materials.

In remanufacturing concepts the existing material is analysed according to articles, quantities, sizes, availability etc. and a sensible remanufacturing concept is developed on the basis of this information. Machining possibilities, exemplary production steps, technical production problems are determined. The chairman Mr. Josef-Michael Pfeiffer defines his work like this: “Everyone is equally involved in the overall concept according to his or her feelings, experiences and talents. The creative inhalation and exhalation in different rhythms. It is not a matter of searching but of finding. The found inspires, ideas meet, complement each other and merge. This promotes the creativity of all those involved. It is also essential to uncover hidden talents and enjoy working together.”

# *Study Case: Unique furniture from old books!*

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We want to counteract the trend towards a throwaway society through innovative design concepts.

You can get a picture of such concepts in the online showroom: click ...

<https://kunstvomrand.jimdo.com/>

# Study Case: Closed recycling circuit for batteries!



## How to take responsibility for your product?

The Umweltforum Starterbatterien organizes the collection and disposal of vehicle batteries accumulating in Austria (lead-acid batteries) and thus makes a significant contribution to the high overall rate of return of vehicle batteries in Austria. Founding member Banner Batteries in this way recycles 100% of its batteries!

Examples of work and further information can be found on the internet following this link

<https://www.bannerbatterien.com/en/Company/Sustainability-and-Environment>

# ***Study Case: Closed recycling circuit for batteries!***

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A very similar approach is done by SC Rombat SA. As a manufacturer of lead acid batteries for vehicles, SC Rombat SA has committed to a holistic battery recycling approach.

SC Rombat SA collects used batteries and processes them at the REBAT facility in Copsa Mica, which is certified according to ISO 14001 (Environmental Management System).

The recycling process allows reuse of over 83% of the original battery weight. Both the plastic and the lead and the lead alloy are used for the production of new batteries.

Examples of work and further information can be found on the internet following this link <https://www.rombat.ro/en/company/mission-and-values/>

# Study Case - Repair, & Refurbishment

A general overhaul from Rosenbauer quickly updates a fire-fighting vehicle with the latest technology. Municipal and initial attack vehicles as well as industrial and air crash tenders can be fitted with the latest fire-fighting equipment. Even individualized suggestions for modernization are possible. All installed modules come from the latest product lines and reflect the best quality.



before



after

# *Study Case - Repair, & Refurbishment*

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## **New fixtures for new requirements**

Requirements change. Upgrading fixtures on existing vehicles makes it possible to handle new challenges. Here as well, Rosenbauer is a competent partner. Vehicles are routinely retrofitted with new extinguishing and lighting towers, water monitors, mixing systems, or stowage for storage of new equipment. Rosenbauer can handle conversions as well. Rosenbauer can reorganize and optimize stowage systems with rotating compartments, storage for breathing apparatuses, or sliding trays with a more functional arrangement. Lockers can be custom-converted for new equipment.

Examples of work and further information can be found on the internet following this link <https://www.rosenbauer.com/en/de/rosenbauer-world/service/in-use-around-the-world/repairs-and-general-overhauls>



# *Study Case: Deposit Cup for Coffee-to-go*

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In Germany alone, approximately 2.8 billion disposable cups are used for coffee-to-go every year and thrown away after a single use - 320,000 cups per hour. Apart from the fact that a stack of cups could be built up to the moon, this also means unnecessary consumption of resources and an unnecessary burden on us and our environment.

RECUP does without all this and has a solution at hand: coffee in a stylish returnable cup - and this in a practical deposit system.

Examples of work and further information can be found on the internet following this link <https://recup.de/>