REMANUFACTURING AND REUSE IN A CHANGING AUTOMOTIVE WORLD - A THREE CONTINENT APPROACH

Overview

Scarce and valuable resources, including potentially hazardous materials, are increasingly present in end-of-life vehicles. Electrical and electronic components in motors, sensors, electronics, batteries, and other parts present new materials and material combinations. And compositions will continue to change as new products become safer, more efficient, more communicative and intelligent.

A new three-continent collaboration between researchers in Asia, Europe and North America is introduced. The effort includes assessment of information on the changing composition of vehicles, development of decision-making tools to assist in reuse and recycling, and development of eco-efficient engineering processes for remanufacturing.

New Directions

The recycling markets in Germany, Canada, and China are vast and consist of many industrial and academic links. The Cascade Use research group is actively seeking to make new industry connections to collaborate on open and closed loop problems.

If you need assistance with environmental assessment of recycling and reuse strategies, analysis of gathered data or seek to make a strategic partnership, please contact us!

Cascade Use in Three Continents

The Cascade Use research group seeks to investigate the efficacy and potential for a circular economy that maximises resource efficiency. There is an existing partnership between the group and China and Canada which provides valuable international insight, case studies and exposure. The partnership considers all parts of the automobile, from the critical materials and electronics used to the abundant materials.

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