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## **DESIGN OF RECYCLABLE VEHICLE**

### **Abstract**

The principles of producers' increased responsibility for products resulted in obligation of automotive industry to design automobiles whose parts and materials may be re-used. With coming into force of the European Union Directive for End-of-Life Vehicles (ELV), this obligation became more important. The required limits for re-use, recycling and energy return can be achieved only if such a possibility is ensured in the designing phase of a car. This paper describes in short the major fields and activities in design for vehicle recycling, such as: design for disassembly, for material and re use of parts and assemblies. It is mandatory in designing for car recycling to use the parts and materials to its maximum while reducing the labour and energy costs.

**Key words:** designing, recycling, disassembly, reuse