

Identification of High-Value Components in End-of-Life Trucks and Rest Value Assessment Methods

Initial situation

The End-of-Life Vehicles Directive obliges manufacturers of heavy-duty vehicles, among other requirements, to ensure vehicle take-back in all markets. Consequently, original equipment manufacturers (OEMs) are faced with the challenge of designing implementation models that not only meet the regulatory obligations but also unlock business opportunities and enable the development of new value-added activities.

A central question concerns the business models and the economic value of the end-of-life-vehicles.

Objectives and Approach

- Identify the most valuable and economically attractive components of old trucks from a second-hand and recycling market perspective
- Analyze which components are in highest demand and the underlying reasons for that demand
- Understand the methods and criteria used to calculate residual values, such as component condition, mileage, material content, and market dynamics
- Compare and contrast valuation approaches used by online used-parts platforms and scrap dealers
- Derive insights to support more accurate and data-driven residual value estimation for trucks and their individual components

Requirements and Qualifications

- Enrollment in a technical bachelor's or master's program (e.g., Engineering, Management & Technology, etc.)
- Strong German or English language skills
- Structured, independent, and diligent work ethic
- Strong interest in Circular Economy

Application

We look forward to receiving your detailed application. Please send them by e-mail to the contact person listed below by 31.05.2026 at the latest. You are welcome to contact them in advance if you have any questions.

Contact

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