

# Eco-Friendly Auto Recycling Business 【 KAIHO INDUSTRY CO., LTD 】

With approximately 1.3 billion cars running in the world – a number which will only increase in the future – the potential environmental impacts of disused, broken or old vehicles in terms of non-biodegradable waste are significant.

We establish an automobile recycling plant introducing Japanese environmentally-friendly automobile recycling technology in Brazil, India and Kenya etc. and sale materials and parts recovered from end-of-life vehicles (ELVs) and provide technical training for local recyclers.



# Worsening Environmental Problems

## ■ Factors for Success

Existing recycling operators dismantle cars manually and are small business owner with low incomes, and their business management is sluggish. In addition, their skill level of dismantling is low, and occupational safety and health problems and environmental pollution are a big social issue in the country. Therefore, we have constructed an ecosystem through industry-academia-government collaboration and provided a comprehensive automobile recycling system comprising 3 components which are: 1.Factory equipment, 2.Quality control and 3.Recycling technology and Management know-how according to the local context.

### Environment Damage

- Burned car waste such as Plastic
- Oil Contamination in soil and water



### Resources loss

- Abandoned cars / reusable parts
- No infrastructure to reuse/recycle



### Poor Working Conditions

- No safety equipment
- Toxic Gas from open burning



# Our Solution

---

KAIHO INDUSTRY CO., LTD. offers a solution that addresses waste treatment and management of ELV (end-of-life) vehicles. This Eco-Friendly Auto Recycling system is designed to address resource circulation society and environmental conservation. Essentially, it is a packaged automobile recycling system comprising three components, which are:

- Installation of automobile recycling equipment and production system
- Installation of computerized business management system called KRA
- Provision of training on automobile recycling technologies and management skills

## Major Features and Advantages

### I. Ability to Forecast

Utilizing the active cost accounting method within the KRA System, it is possible to forecast the profitability and productivity of operations, as well as evaluate achievement forecasts using the PDCA cycle.

### II. Potential for High Sales Volume and Profit

The market demand data acquired through experience with dealing with customers in 85 countries is used for the procurement and production of ELVs and used engines. This makes it possible to boost sales volume and the profitability of each ELV.

### III. Eco-Friendly

The fact is, in most developing countries, end-of-life vehicles (ELVs) are often dumped. This has a devastating effect on the environment. By developing a solution to this illegal practice, the environmental will benefit significantly.

### IV. Localized / Customized Training Course

KAIHO INDUSTRY CO., LTD. developed custom technical manuals to match the local situation and specific needs of each developing country so that everyone can read and understand the process. A training facility called the International Recycling Education Center (IREC) was created to improve the skills of automobile recycling workers for alliance partners throughout Japan and beyond.