

## What is LCA?

While addressing environmental problems, we frequently heard the word “Life Cycle Assessment” (LCA) and became concerned about its meaning.

We've learned that LCA is a method to quantifiably and objectively evaluate the environmental impact of a product over its entire life from material procurement to production, distribution, use, recycling and disposal. To put this difficult concept into practice, we decided to reduce the impact on the environment when we produce, use and dispose products.

Specifically, we have to reduce environmental impact in each of the following phases: “in the process of manufacturing,” “during use” and “at the time of disposal.” We have set specific objectives to pursue in each phase, including “designing lighter and simpler products,” “reducing defective products” and “appealing that our products are environmentally friendly.”

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| In the process of manufacturing (until the product is made) | ■ Waste reduction<br>■ Removal of harmful materials<br>■ Simplification<br>■ Weight reduction<br>■ Efforts to realize semi-permanent use   |
| During the use (while the product is in use)                | ■ Elimination of redundant energy while in use (no burden on the environment)<br>Reduction of elevator operation by avoiding leaving behind passengers intending to get in<br>Prevention of leaving something behind in airplanes<br>Crime prevention in commercial facilities and at ATMs<br>Ensuring safety and preventing bumps at hospitals, schools, traffic facilities, various garages and plants |
| At the time of disposal (when products are disposed)        | ■ Waste reduction<br>■ Removal of harmful products<br>■ Simple refuse sorting  |