

Introducing the IT industry's first measures to review product manufacturing processes and pursue resource conservation and energy savings to the very end

The Fujitsu Group's ideal vision of manufacturing activities can be summarized as follows: To realize eco-friendly plants in order to contribute to the construction of a sustainable society through which resources and energy circulate. To this end, we have led the industry in introducing new measures referred to as "Green Process" activities aimed at reducing the environmental burden at our manufacturing sites by cutting total resources input and energy consumption based on line-by-line reviews of our manufacturing processes.

The Green Process Structure

What does Green Process mean?

Green Process refers to measures to eliminate the environmental burden in such areas as resources input, chemical substances use and energy consumption to the greatest extent possible from all the processes involved in manufacturing the Group's products.

Contents of activities

We establish environmental burden evaluation standards for materials, chemical substances and energy, input these into the various manufacturing processes and conduct continuous reduction activities with respect to them. In the trial at the semi-conductor plant in Mie, these environmental burden factors were extracted for every item, based on the evaluation standards and reduction activities conducted. We will develop these activities for every manufacturing site in the Group based on the actual results of the activities at the Mie Plant.

Merits of Green Process introduction

Environmental burden reduction in materials input at plants

The burden imposed on the environment by manufacturing sites can be decreased through the efficient promotion of waste reduction, chemical substance reduction and energy savings through reduced input of materials, chemical substances and energy in upstream manufacturing activities.

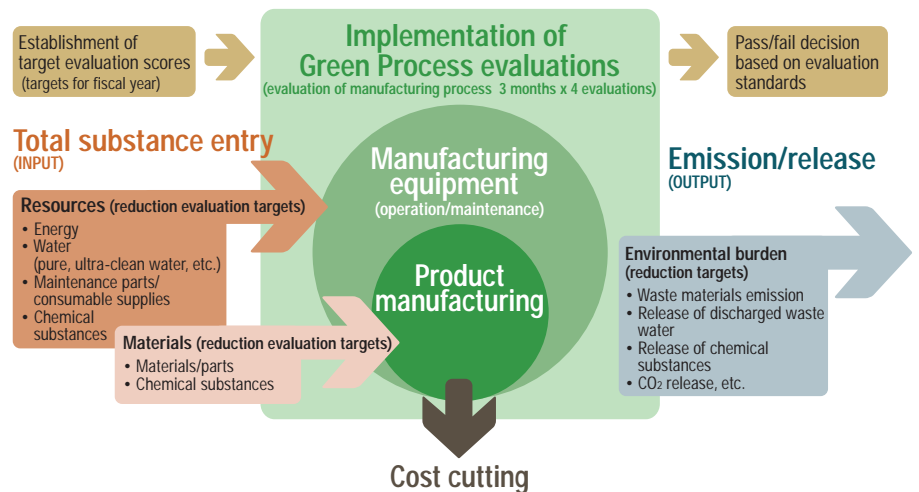
Reduction of costs for manufacturing activities

Management merits, such as manufacturing cost reductions, can be expected from grasping and reducing the total input volume of raw materials, chemical substances and energy.

New evaluation indicator for manufacturing processes

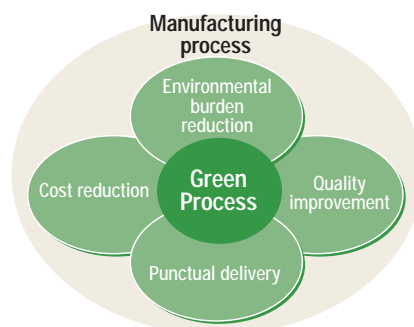
New added value is produced by adding the

Example of the Mie Plant



environmental burden reduction, a new evaluation item, to the previously existing principal evaluation items for the manufacturing process, including cost reduction, quality improvement and punctual delivery. Each factory performs quarterly target establishment and evaluation of achievements for each production line and promotes Green Process activities continuously.

New evaluation indicators for the manufacturing process



Mie Plant trial results

We have developed original indicators we call "Cost Green (CG) indicators" to support our Green Process activities by extracting materials with measurably large effects from both the cost and environmental burden perspectives. The indicators are computed by multiplying three numerical values: the unit price, the volume used per unit product, and the degree of environmental influence determined in-house for every material, such as chemicals and gases. We use the resulting figures as a basis for environmental burden reduction activities. As a consequence of these activities, the actual results for our semiconductor production lines at the Mie Plant during the January to March 2003 period revealed a reduction of 6.9% in the volume of chemicals and gases used per unit product and a reduction of 16.5% in expenditures as compared with figures for before the introduction of Green Process.

Principal Plans for Fiscal 2003

- We plan to begin Green Process activities as necessary, beginning with our semiconductor plants, which use many chemicals in their various chemical processes, and to introduce Green Process at all manufacturing sites, including those of affiliated companies, by March 2004.