

Building Super Green Factories

Sharp is raising environmental awareness at its production sites all over the world. Using original standards to rank a factory with high environmental consciousness as a Green Factory (GF), and one with extremely high environmental consciousness as a Super Green Factory (SGF), Sharp plans to convert all domestic and overseas Sharp Group production sites into Green Factories or higher by the end of fiscal 2007.

Objectives for Fiscal 2006	Achievements for Fiscal 2006	Objectives for Fiscal 2007	Objectives for Fiscal 2009
<ul style="list-style-type: none"> Of 10 Sharp Corporation production sites in Japan, upgrade 5 to SGF and 5 to GF 	SGF 5 GF 5	All SGF	Promote new SGF measures
<ul style="list-style-type: none"> Of 7 domestic production sites (subsidiaries/affiliates), upgrade 5 to GF 	GF 7	All GF or higher	
<ul style="list-style-type: none"> Of 22 overseas production sites (subsidiaries/affiliates), upgrade 1 to SGF and 14 to GF 	SGF 3 GF 12	All GF or higher	

Upgrading All Plants to Green Factories

At Sharp, a factory must achieve a high degree of environmental consciousness to earn the title of Green Factory. The basic policies and operational know-how for achieving Green Factory status have been formulated in line with 10 concepts in the Green Factory Guidelines. These guidelines were introduced at all domestic production sites from fiscal 1999 onward and at all overseas production sites from fiscal 2001 onward.

Starting in fiscal 2003, as part of the Green Factory effort, Sharp established a system for Super Green Factories, using an environmental impact assessment approach. Factories are assessed based on in-house standards in order to satisfy the requirements of third parties and earn the trust of local communities.

Green Factory concept

Greenhouse gases	Minimize emission of greenhouse gases
Energy	Minimize energy consumption
Waste	Minimize discharge of waste
Resources	Minimize resource consumption
Chemical substances	Minimize risk of environmental pollution and accidents caused by chemical substances
Atmosphere, water, soil	Minimize environmental burden on the atmosphere, water, and soil
Harmony with nature	Endeavor to preserve nature both on and off site
Harmony with the community	Encourage harmony with the local community
Environmental consciousness	Foster high environmental awareness among employees
Information disclosure	Disclose information on the environment

Certification of Green Factories and Super Green Factories

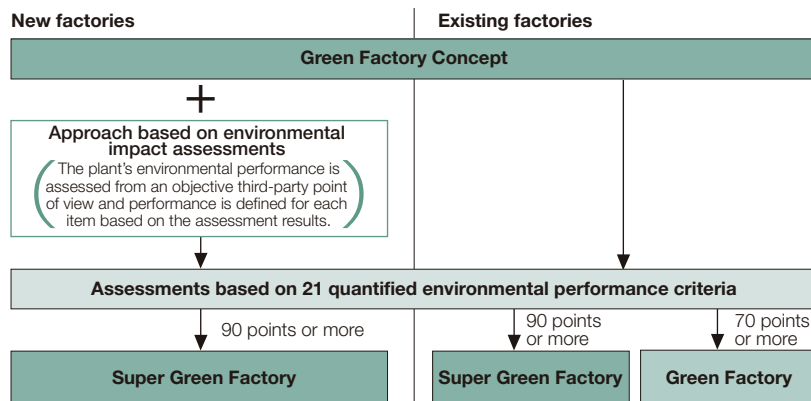
Quantified environmental performance criteria are used to assess and approve a plant for certification. A plant must score 70 or more points out of a possible 100 in the assessment process to earn Green Factory certification, while scoring 90 or more points will result in Super Green Factory certification.

Plans call for upgrading all Sharp Corporation production sites in Japan to

Super Green Factories and all production sites in the Sharp Group to Green Factories or higher by the end of fiscal 2007.

In fiscal 2006, three domestic bases and two overseas bases achieved Super Green Factory status, while a total of 10 bases in Japan and overseas earned Green Factory certification.

Process required to achieve Super Green Factories



Twenty-one quantified environmental performance criteria and assessment weighting

Environmental performance criteria	Reductions in greenhouse gas emissions	Reductions in the release of chemical substances	Appropriate disposal of industrial waste	Reductions in the consumption of industrial water	Monitoring, safety, and information disclosure
	<ul style="list-style-type: none"> Reductions in PFC gases, etc. Promotion of variable supply control systems Recovery and recycling of waste heat Introduction of a cogeneration system Introduction of highly efficient equipment Introduction of new energy sources Continued reductions in emissions per production unit Implementation of managerial decision making standards 	<ul style="list-style-type: none"> PRTR atmospheric emissions PRTR water emissions Sulfoxide produced by combustion Eliminate all noxious odors 	<ul style="list-style-type: none"> Zero discharge to landfill Confirmation of appropriate disposal Recycle waste as valuable resources 	<ul style="list-style-type: none"> Use of rain condensation water Recovery of production rinse water 	<ul style="list-style-type: none"> Disaster and fire prevention measures for hazardous materials Special safety measures Adoption of central monitoring measures Disclosure of environment-related information
Assessment weighting	30 points	26 points	14 points	9 points	21 points

(Total score: 100)

Information on website

<http://sharp-world.com/corporate/eco/report2007/> ● Green Factories ● Environmental data on Sharp production sites