



The entire GLORY Group works to protect the environment under the GLORY Environmental Vision.

To create a sustainable society, the GLORY Group has formulated an environmental vision with three areas of focus: products, business, and awareness. The vision's top priorities are the prevention of global warming, the management and reduction of chemical substances, the effective use of resources, and the preservation of biodiversity.

Based on this vision, GLORY has formulated the 2017 Medium-Term Environmental Plan, a three-year plan starting in April 2015 as a group-wide environmental effort.



Developing Environmentally Friendly Products

The GLORY Group develops environmentally friendly products that minimize environmental impact throughout the product lifecycle—from material procurement and customer use of the product through to final disposal.

GLORY certifies products as G-Eco products if they satisfy certain in-house standards for environmental friendliness—for example, if they exhibit electric power efficiency at least 15% better than existing products and if they conform to regulations on chemicals contained in products. Between fiscal years 2009 and 2016, GLORY developed 106 G-Eco products. The G-Eco product logo is used on product brochures and the like to help customers understand the environmental performance of GLORY products.



RBG-200 banknote recycler for tellers



Reducing Environmental Impact from Business Activities

Eliminating Paper Use

GLORY's Himeji Factory is working to reduce the use of paper by using tablets and by digitizing documents such as check sheets and work standards documentation.

The Himeji Factory used to go through 1,000,000 sheets of paper a year. In fiscal year 2016, this number was reduced by 600,000 sheets. Not only does this lessen the environmental burden and reduce the space needed to store paper documents, it also improves work efficiency and boosts productivity. GLORY's manufacturing group companies in Japan are adopting the same paper-saving measures, and GLORY intends to spread this effort to overseas production bases.



Printed check sheet

Digitized check sheet

New Distribution Center in the Netherlands

Glory Global Solutions Ltd. established the European Master Distribution Centre (EMDC) in Venray, the Netherlands. It has been in operation since fiscal year 2016.

Glory Global Solutions previously operated warehouses in multiple countries. But, by consolidating inventory into a single location, the company is streamlining its distribution routes and reducing CO₂ emissions. When it comes to containerized transport, the company has adopted environmentally friendly transport by rail or barge (waterways)—two systems designed to handle large volumes of cargo.



Containerized transport

Preserving Biodiversity

Since fiscal year 2011, GLORY has strived to protect and maintain biodiversity through initiatives such as forest conservation activities and nature appreciation events at the GLORY Yumesaki Forest (Himeji City, Hyogo Prefecture), with the aim of conveying to young people the importance of nature. And since fiscal year 2013, GLORY has held forest conservation activities in the mountains of Saku, Nagano Prefecture. At this location in April 2016, GLORY planted 1,000 *Quercus serrata* trees; in July, employees thinned out the undergrowth to enable saplings to get enough sunlight.



A forest conservation activity in Nagano Prefecture



Biotope at GLORY Products' Sayo Factory

Biodiversity preservation activities are being carried out by the entire GLORY Group. For example, the Sayo Factory of group company GLORY Products Ltd. has been maintaining a biotope on its grounds since fiscal year 2014.

2017 Medium-Term Environmental Plan, Fiscal Year 2016 Results

Activity Areas	Activity Themes	2017 Medium-Term Environmental Targets	Fiscal Year 2016 Targets	Fiscal Year 2016 Results
Products Development of environmentally friendly products	Prevention of global warming	Reduce CO ₂ emissions compared with previous models by at least 15% (average across all new products)	Reduce by at least 15% (for products developed in fiscal year 2016)	Reduced by average of 28.3% (target achieved for 7 of 9 models)
	Management and reduction of chemical substances	Make all new products RoHS compliant	Comply with all relevant laws	RoHS Directive: Confirmed compliance of new parts for EU-bound products REACH Regulation: Surveyed SVHC amounts. Confirmed non-usage of restricted substances.
	Effective use of resources	Reduce CO ₂ emissions during parts manufacturing by at least 10%	Reduce by at least 3% (for products developed in fiscal year 2016)	Reduced by average of 15.2% (by reducing number of parts) (5 of 9 models achieved emissions same as or lower than previous models)
Business Reduction of environmental impact from business activities	Prevention of global warming	Have environmentally friendly products account for at least 55% of sales Reduce annual per-unit energy consumption by 1% (base year: fiscal year 2010)	At least 50% of sales Reduce annual average by 1%	Accounted for 52.8% of sales Reduced annual average by 2.3%
	Management and reduction of chemical substances	Strictly manage chemical substances on a global scale	Conduct CMS audit	Conducted CMS audits at 7 group companies in Japan (to comply with RoHS Directive)
	Effective use of resources	Reduce annual volume of waste generated by 1% (base year: fiscal year 2010)	Manage control limits	Reduced annual volume of waste generated by average of 2.2%
Awareness Raising environmental awareness	Preservation of biodiversity	Increase the contribution that the GLORY Yumesaki Forest makes to biodiversity preservation (continue botanical surveys and improve management criteria)	Plant 20 trees Thin 1 hectare of forest	Himeji: Held forest conservation activity on April 2 (20 trees planted, 1 hectare of forest thinned); held nature appreciation event for employee families on October 29 Kanto area: Held cleanup on banks of Arakawa River, Tokyo; held forest conservation activities in Saku, Nagano Prefecture; donated building blocks made from sustainable wood to kindergarten
		Cooperate with stakeholders to preserve biodiversity	Formulate plan Carry out plan	Himeji: Held forest conservation activity (2 employees of GLORY suppliers also participated); held nature appreciation event (3 families [12 people] of GLORY suppliers also participated) Kanto area: Held forest conservation activities in Nagano Prefecture (4 employees of GLORY suppliers also participated)
	Develop environment-related action programs on a global scale	Ascertain situation Formulate plan	Conducted a questionnaire survey of overseas group companies Overseas group companies held forest conservation activities and community cleanups	