Environmental Management

Promotion Framework

Approach | Promotion framework

Promotion Framework

The Board of Directors is the highest-level body responsible for the Toppan Group's environmental management. The board appoints a director to head the Ecology Center, an organization that oversees Toppan's environmental conservation initiatives by supervising, evaluating, and verifying environmental activities undertaken throughout the Group and reporting the verification results to the Board of Directors.

The Toppan Group has established an environmental conservation framework in which the heads of every business division, Group company, and operational site are positioned as the personnel chiefly responsible for environmental efforts. These heads appoint Environmental Management Officers to steer the actual implementation of conservation activities carried out at their sites and collaborate to propel environmental initiatives throughout the business divisions.

To accelerate the initiatives, these officers have set up Eco-protection Promotion Committees, bodies composed of persons relevant to the environment across the departments. The committees promote environmental conservation activities at Group sites and manage progress. For advanced environmental measures, the committees have convened multiple subcommittees to formulate necessary responses to specific environmental issues. Energy Subcommittees, for example, pursue energy-saving efforts to help mitigate global warming.

Managing Climate Change Risks

The Toppan Group has set up a TCFD Working Group composed of personnel from relevant head office departments under the Sustainability Promotion Committee to address the risks and opportunities presented by climate change. The working group employs scenario analysis to identify significant risks and opportunities and perform evaluations focused chiefly on the financial impacts of climate change on the Group.

Environmental Management Structure



Environmental Management Systems

Promotion framework | System

The Toppan Group has established environmental management systems (EMSs) based on ISO 14001.

A PDCA cycle of planning, support and operation, performance evaluation, and improvement serves as a core part of the ISO 14001-based EMSs to ensure ongoing improvement.

Group sites maintain their EMSs through management system audits by ISO 14001 registrars, internal environmental audits (of legal compliance) by the Ecology Center, and other internal environmental audits at individual sites.

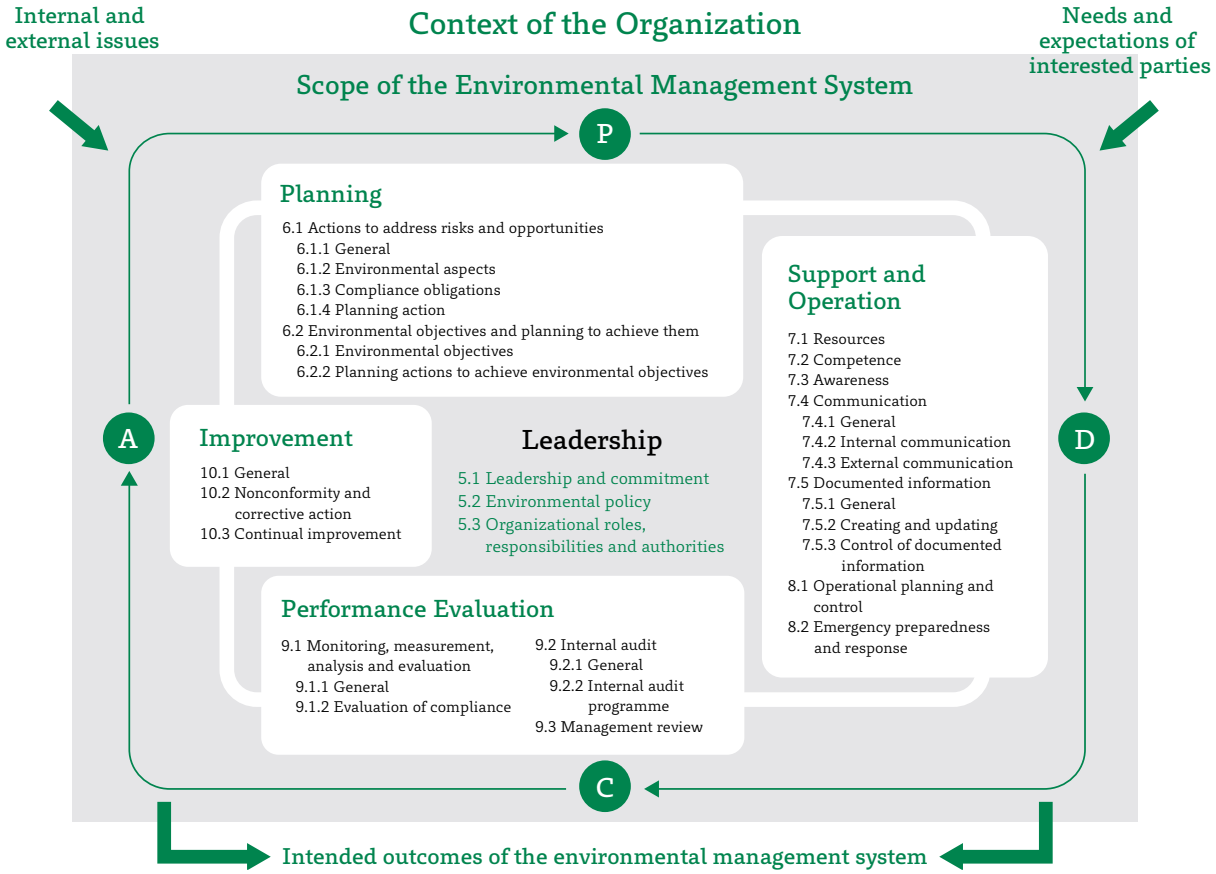
The Ecology Center aggregates environmental performance data as the organization responsible for overseeing the Toppan Group's environmental conservation activities. The aggregation results are assured by KPMG AZSA Sustainability Co., Ltd. (an independent assurance provider) and reported to the Board of Directors (for details, see the "List of Indicators Assured by an Independent Assurance Provider" on page 148). The center discloses the verified performance data via the Toppan corporate website and other communication channels.

For environmental targets, in particular, the Ecology Center decides a set of site-specific, single-year targets based on the Groupwide targets and develops current-year measures with authorization from the Board of Directors. These site-specific targets are treated as key performance indicators for managing the progress of environmental conservation activities carried out at individual sites. The Ecology Center also manages the monitoring of soil and groundwater pollution, ascertains the results, and discloses the details.

More details on the Group's ISO 14001 EMS certification (in Japanese)
https://www.toppan.co.jp/about-us/our-corporate-approach/iso/iso14001.html ›

More details on the "Independent Assurance Report" (see page 149) ›
More details on the monitoring of soil and groundwater pollution in the Group (see page 114) ›

Management Cycle under ISO 14001:2015



Numbers of Internal Environmental Audits and Issues in Need of Improvement (Fiscal 2021)

Domestic Sites Audited	54
Issues in Need of Improvement Identified at Domestic Sites	26
Domestic Sites Reviewed	4

ISO 14001 Certification (54 systems at 91 sites, as of March 31, 2022)

ISO 14001 Certification Obtained at Toppan Inc. and Domestic Subsidiaries

Operational Site (Division or Subsidiary)	Registrar	Registration Date
Electronics Division	JQA	July 1998
Environmental Design Subdivision [Kashiwa Plant and Satte Plant of Toppan Decor Products Inc.] (Living & Industry Division)	GCC	March 2000
Tokyo-based sites (Information & Communication Manufacturing Subdivision)	SAI GLOBAL	February 2002
Fukusaki Plant [including Fukusaki Plant of Toppan Plastic Co., Ltd.] (Toppan Packaging Products Co., Ltd.)	JQA	July 2002
Takino Site	JQA	October 2002
Azusawa Site, Atago Site, Kawaguchi Site, Sagamihara Site, Numazu Site (Toppan Logistics Co., Ltd.)	GCC	October 2002
Gunma Central Plant (Toppan Packaging Products Co., Ltd.)	JQA	July 2003
Mito Plant (Toppan Prosprint Co., Ltd.)	GCC	January 2004
Fukuyama Plant (Toppan Communication Products Co., Ltd.)	GCC	October 2004
Higashinihon Subdivision	GCC	March 2005
Toppan Technical Research Institute	JQA	May 2005
Sapporo Plant, Chitose Plant (Hokkaido Subdivision)	GCC	June 2005
Satte Plant (Toppan Plastic Co., Ltd.)	SAI GLOBAL	December 2006
Ranzan Plant, Kyushu Plant (Toppan Packaging Service Co., Ltd.)	JQA	February 2007
Sagamihara Plant (Toppan Packaging Products Co., Ltd.)	SAI GLOBAL	March 2007
Kyushu Subdivision (Nishinihon Division)	GCC	October 2008
Head office, Kansai branch (Toppan Techno Co., Ltd.)	SAI GLOBAL	March 2009
Sodegaura Beverage Plant (Toppan Packaging Service Co., Ltd.)	SAI GLOBAL	April 2009
Fukaya Plant (Toppan Packaging Products Co., Ltd.)	GCC	March 2010
Chubu Division	JQA	December 2010
Kochi Plant (Toppan Electronics Products Co., Ltd.)	BUREAU VERITAS	February 2008
Head office, Saitama Plant (Livretech Co., Ltd.)	JCQA	July 2001
Fukushima Plant [including Takino Plant, Sagamihara Plant] (Toppan Infomedia Co., Ltd.)	JUSE	November 2001
Central Research Center (Toppan Forms Co., Ltd.)	JQA	March 2004
Toppan Forms Tokai Co., Ltd.	JQA	August 2004
Toppan Forms Kansai Co., Ltd.	JQA	April 2007
Toppan Forms Nishinihon Co., Ltd.	JQA	January 2005
Toppan Forms Central Products Co., Ltd.	JQA	September 2011
Tosho Printing Co., Ltd.	Intertek	May 2003
Gunma Plant (Tamapoly Co., Ltd.)	JQA	February 2011
Sanda Plant (Tamapoly Co., Ltd.)	JQA	January 2012
Tochigi Plant (Tamapoly Co., Ltd.)	JQA	August 2017

ISO 14001 Certification Obtained at Overseas Subsidiaries

Group Company (Operational Site)	Registrar	Registration Date
Toppan Photomasks, Inc. (Round Rock Site)	LRQA	November 2001
Toppan Photomasks France S.A.S.	LRQA	October 2000
Toppan Chunghwa Electronics Co., Ltd.	SGS	October 2003
Toppan SMIC Electronics (Shanghai) Co., Ltd.	SGS	February 2007
Toppan Leefung Printing (Shanghai) Co., Ltd.	CCCI	April 2007
Toppan Leefung Packaging (Shanghai) Co., Ltd.	NQA	July 2008
Toppan Leefung Changcheng Printing (Beijing) Co., Ltd.	ZDHY	November 2009
Toppan Excel (Dongguan) Packaging and Printing Co., Ltd.	CNAS	May 2009
Toppan Yau Yue Packaging (Dongguan) Co., Ltd.	Intertek	May 2016
Toppan Win Label Printing (Dongguan) Co., Ltd.	CQC	November 2012
Toppan Leefung Packaging & Printing (Dongguan) Co., Ltd.	HKQAA	March 2009
PT. Indonesia Toppan Printing	LRQA	November 2004
Toppan Photomasks Korea Ltd.	LRQA	February 2005
Toppan Photomasks Co., Ltd. (Shanghai)		
Ortustech (Malaysia) Sdn. Bhd.	BUREAU VERITAS	September 2014
Toppan Security Systems Pte. Ltd.	TUV	August 2010
Giantplus Technology Co., Ltd. (Bade Plant [T 1])	SGS	January 2008
Giantplus Technology Co., Ltd. (Bade Plant [T 2])	SGS	May 2018
Giantplus Technology Co., Ltd. (Headquarters)	SGS	January 2005
Giantplus Technology Co., Ltd. (Hsinchu Plant)	SGS	March 2013
Kunshan Giantplus Optronics Display Technology Co., Ltd.	SGS	June 2012
Siam Toppan Packaging Co., Ltd.	MASCI	April 2002
Gravity Group IND. LLC	URS	February 2015

Environmental Education

The Toppan Group implements various measures to improve the environmental literacy of employees based on social trends related to the environment, priority topics for year-by-year environmental activities, and other environment-related issues. Toppan has been holding sessions for rank-based training, optional training, and internal auditor training. The rank-based training includes both group sessions and Groupwide e-learning programs. The Group also organizes regular training on Eco-creativity Activities for employees in sales departments.

Results of Environmental Education (Fiscal 2021)

Training	Number of Trainees
New employee training: General environmental education	464
E-learning-based program on Toppan's sustainability initiatives	18,300
E-learning-based program for personnel in charge of the environment in fiscal 2021	526
Toppan Challenge School (15 courses)	28
Toppan Business School (7 courses)	2,374
Internal environmental auditor training program	175

Environmental Communication

The Toppan Group develops Environmental Communication Activities to share environmental conservation awareness with stakeholders through community involvement initiatives and environmental education for Group employees and non-Toppan individuals. Toppan has been organizing a host of environmental communication activities such as industry-government-academia-civil society projects, the disclosure of environmental performance data on the Toppan website, the publication of *Site Eco Reports* for surrounding communities and local governments, neighborhood meetings to report on the Group's environmental efforts, and participation in eco-exhibitions and environmental consortiums.