

Environmental Management

Promotion Framework

Approach Promotion framework

Promotion Framework

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

We have established an environmental conservation framework in which the heads of the business divisions, Group companies, and operational sites are responsible for the environmental efforts of their organizations. These heads appoint Environmental Management Officers to steer the actual implementation of conservation activities carried out at their sites and collaborate with them to propel environmental initiatives throughout the business divisions.

To accelerate the initiatives, the environmental 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 and manage their 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 contribute to decarbonization.

Addressing Climate Change Risks

We have set up a TCFD* Working Group composed of personnel from related divisions under the Sustainability Promotion Committee to address the risks and opportunities presented by climate change. The working group employs scenario analyses to identify significant risks and opportunities brought by climate change and to evaluate mainly the financial impacts on the Group.

We will also further advance global-warming mitigation initiatives focused on climate change and decarbonization in cooperation with various industry groups that are working towards the Paris Agreement goals.

*Task Force on Climate-related Financial Disclosures working under the Financial Stability Board

TOPPAN Group's Environmental Management Structure



Environmental Management Systems

Promotion framework System

We have 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 in environmental management.

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.

- ISO 14001 certification: 94 sites (out of 172 Group sites), as of March 31, 2023

*The Ecology Center supervises and assesses environmental conservation activities implemented at the remaining 78 sites.

The Ecology Center aggregates environmental performance data as the organization responsible for overseeing environmental conservation activities across the Group. 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 pages 158-159). The center discloses the verified performance data via the TOPPAN corporate website and other communication channels.

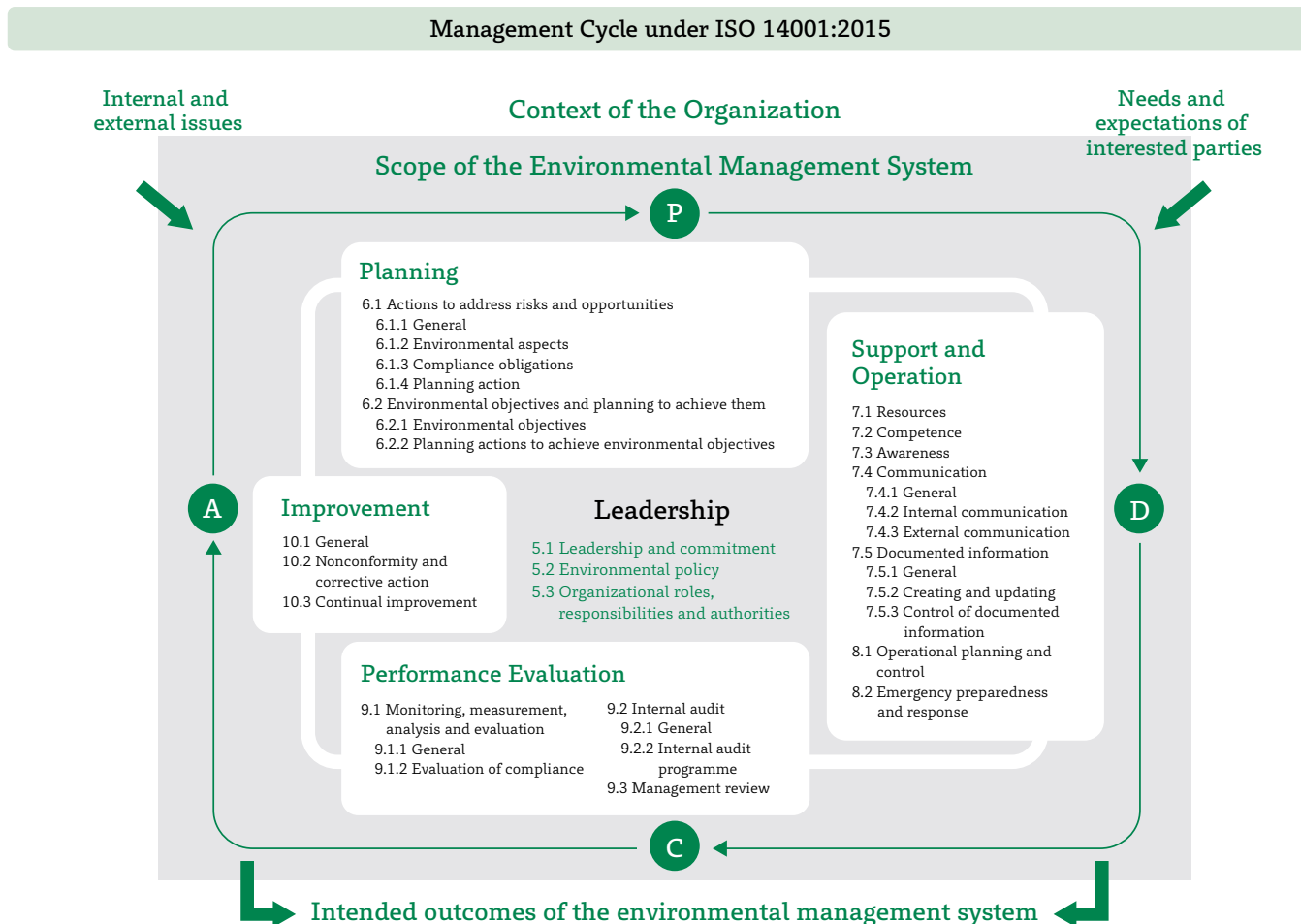
For environmental targets, in particular, the Ecology Center decides a set of site-specific, single-year targets based on the Groupwide targets and develops current-year measures with

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 our ISO 14001 EMS certification \(in Japanese\) >](https://www.holdings.toppan.com/ja/about-us/our-corporate-approach/iso/iso14001.html)
<https://www.holdings.toppan.com/ja/about-us/our-corporate-approach/iso/iso14001.html>

[More details on the Independent Assurance Report \(see page 160\) >](#)

[More details on the monitoring of soil and groundwater pollution in the Group \(see page 125\) >](#)



Environmental Education

Various measures are implemented to improve the environmental literacy of employees based on recent social concerns on the environment, priority topics for year-by-year environmental activities, and other environment-related issues.

We have been holding sessions for rank-based training, optional training, and internal auditor training. E-learning programs are also provided online for Group employees. The rank-based training includes both group-style sessions and e-learning courses.

Results of Environmental Education (Fiscal 2022)

Training	No. of Trainees
New employee training: General environmental education	445
E-learning course on TOPPAN's sustainability initiatives	21,412
E-learning course for personnel in charge of the environment in fiscal 2022	518
TOPPAN Challenge School (15 courses)	52
TOPPAN Business School (7 courses)	2,667
Internal environmental auditor training program	125

Environmental Communication

We develop Environmental Communication Activities to share environmental conservation awareness with stakeholders through community involvement initiatives and environmental education for Group employees and individuals outside of the Group. Among the diverse activities organized, we have been engaging in projects with entities from industry, government, academia, and civil society, disclosing environmental performance data on the TOPPAN website, publishing *Site Eco Reports* for surrounding communities and local governments, holding neighborhood meetings to report our environmental efforts, and participating in eco exhibitions and consortiums.

Environmental Incentives for Employees

Our Eco-protection Awards System incentivizes employees to engage in activities that address climate change. The system provides financial incentives for actions that bring us closer to meeting our reduction targets for greenhouse gas emissions and other environmental impacts.

ISO 14001 Certification (56 systems at 94 sites, as of March 31, 2023)

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
Higashinohon 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 (Nishinohon 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 (Livretch 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 Nishinohon 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 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.	ZYC	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.	TUV	April 2002
Gravity Group IND. LLC	URS	February 2015
Toppan Speciality Films Private Ltd.	BSI	May 2009
Interflex Scotland Ltd.	BSI	December 2004