TOSHIBA

TOSHIBA TEC Singapore Pte. Ltd. Site Report Information

Address: 2 Ang Mo Kio Street 62 Singapore 569138

Lot area: 15,011 m^2, Building area: 8,019 m^2, Green ratio: 5.0 %

Establishment: Dec, 1988, Employees:368 (as of March 2025)

Major products: POS Products, Barcode Printers, Multi functional Peripherals, Dot Matrix Printers, Self-Service Kiosks and Gaming.

ISO 14001 certified: April, 1998, Latest update: 8th May 2025
(ISO 14001:2015 Certificate number: 787805)



Message from Environmental Preservation Chief

Toshiba TEC Singapore (TSE) harmonized environmental management system with business activities, products and services, with respect to the reduction of environmental impacts, response to climate change, sustainable consumption and production, and conservation of biodiversity. We promote environmental awareness for sustainable tomorrow.



Environmental Preservation Chief
Annie Tan

Major environmental activities in 2024

Reduction in CO2 emissions
- Running change to replace spoil desktop PC to laptop.
- Shut down central air-conditioner and lighting after office merge.
- Promotion for energy reduction to employees through poster.

Total CO2 emission reduction of 2% compared to FY2023.

Reduction in water
- Water awareness promotion

Reduction in waste
- 3R awareness promotion
- Give away good wooden pallet to vendors and forwarders.

Biodiversity
- Bird and Butterfly Survey
- Indoor Plant adoption program

CSR Activities
- Tree Planting at Ulu Pandan Park Connector with E-waste Partners
- Beach Clean-Up at The Cove, Pasir Ris Park

Development of products and environmental technologies, Environmental consideration point

Barcode Printer



- Using QR codes to access information online instead of printing.
- Webpage provides up-to-date, interactive content.
- Reduce 150% amount of paper used, few natural resources are consumed.

POS Printer





Mode Matrix:

		Mode		
		Normal	Standby (Sleep@Energy Star)	OFF (OFF or Standby@Energy Star)
Power supply	24V	ON	ON	ON
	V3V	ON	ON	ON
	VM	ON	OFF	OFF
	VDD_TH	ON	OFF	OFF
	5V	ON	ON	OFF
	3.3V	ON	ON	OFF
	1.8V	ON	ON	OFF

- Achieve Energy Star 3.0 Requirement for power saving.
- Standby mode: Cut off thermal head, motors and sensor power. CPU goes into sleep mode. Indication LEDs still turned on.
- Off mode: Cut off all power except 24V input and V3V for wake up when press power or feed button. Indication LEDs are turned off.

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TOSHIBA TEC SINGAPORE PTE LTD

Integrated Management System Policy

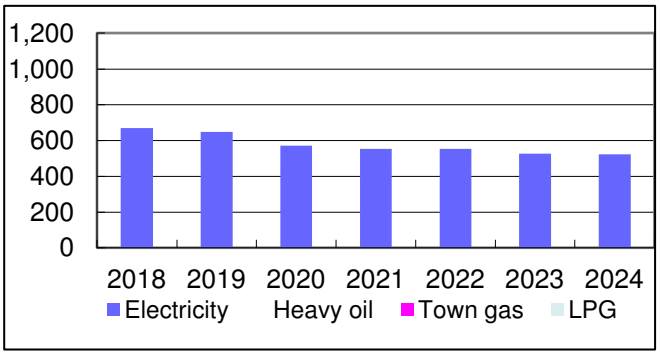
We shall integrate Quality, Environmental, Health & Safety considerations in our business decision making to enhance customer satisfaction, manage environmental impact, provide safe and healthy workplaces to prevent injury & ill health and safety hazards, such information are readily available to interested parties. We strive to continually improve our management system with the following commitments:

1. We create quality products and services with pride and passion, keeping our customers in mind all the time and everywhere.
2. We respect each and individual employee, develop one's abilities and together we foster an open and healthy corporate culture and we tirelessly seek new challenges.
3. We fulfill our responsibilities toward each country and community in which we operate, we respect the local culture and history, and we comply with the statutory and regulatory requirements.
4. We improve and maintain a healthy and safe work environment through proper safe work procedures, managing hazards and implementing risk controls, these includes consultation, participation and feedback from employees.
5. We harmonized environmental management system with business activities, products and services, with respect to the reduction of environmental impacts, response to the climate change, sustainable consumption and production, and conservation of biodiversity.
6. We take the necessary information security measures to prevent information leakage.
7. We strive to maximize our corporate value to achieve appropriate profits and reserves to meet the expectations of our stakeholders through implementing management innovation and investing in research and development.

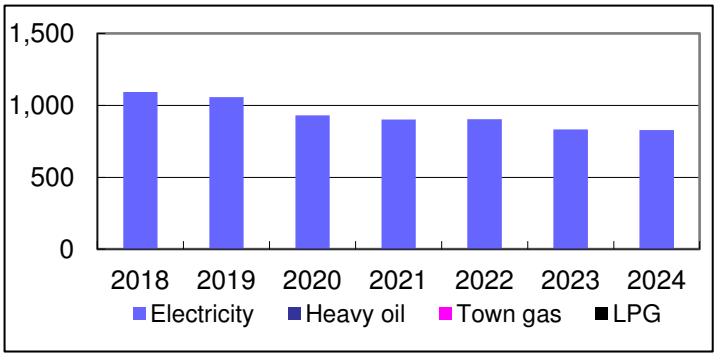
Shuji Kigawa
President & Chief Executive Officer
1st April 2025

Environmental load data

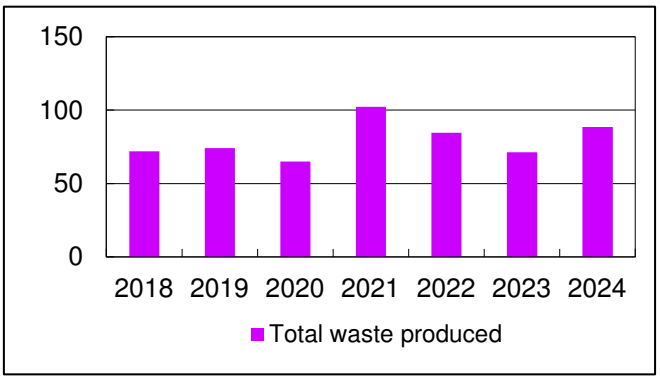
Energy usage (unit: KL)



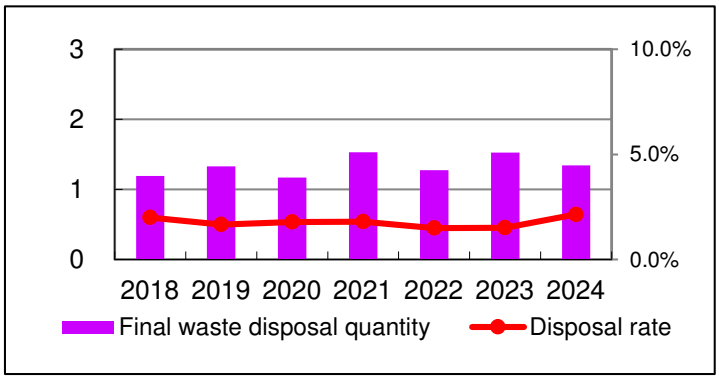
CO_2 emission (unit: ton-CO_2)



Total waste produced (unit: ton)

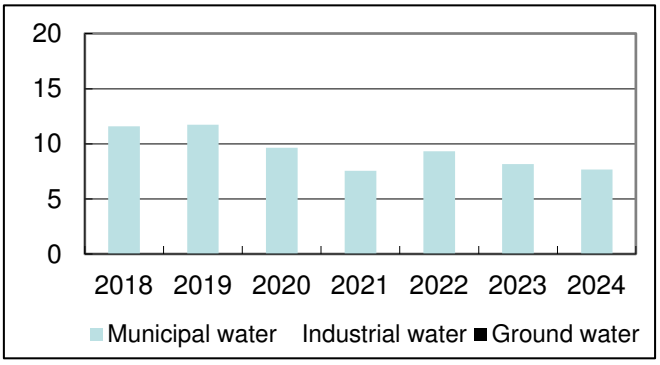


Final waste disposal quantity & disposal rate (unit: ton,%)

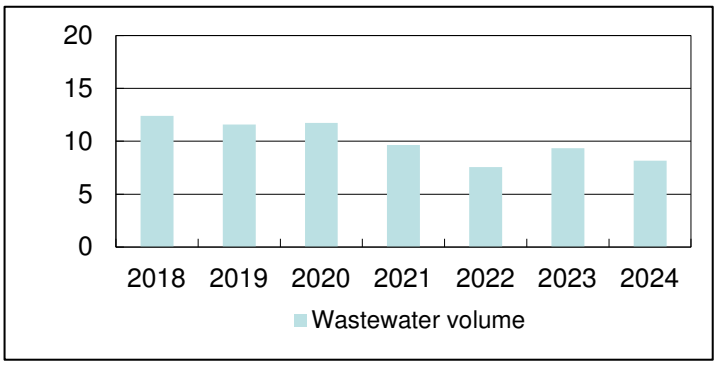


Major wastes: Paper, Plastic, etc.

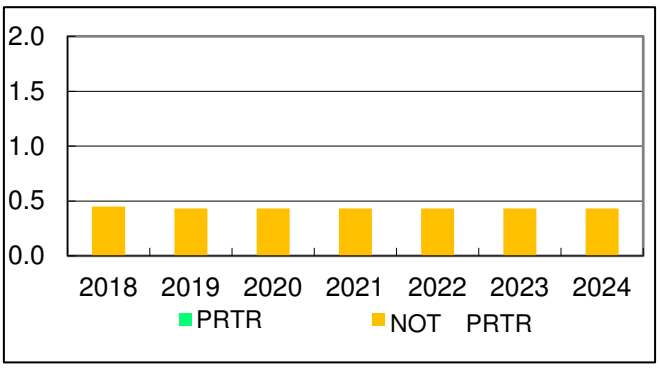
Water usage (unit: 1,000m^3)



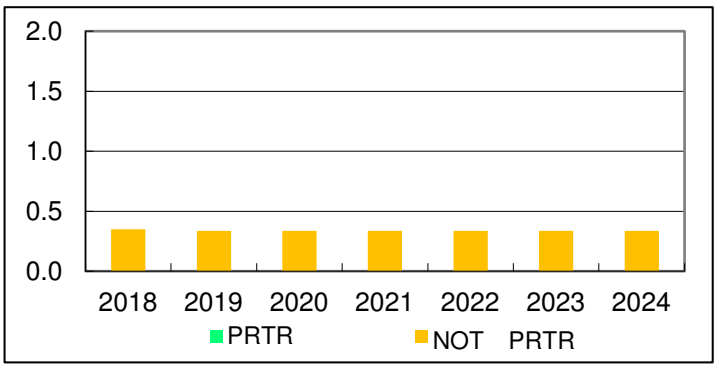
Wastewater volume (unit: 1,000m^3)



Handing substances (unit: ton)



Substances volatilized and released to water (unit: ton)



Major chemical substances: Isopropanol, etc.

Compliance management

Atmospheric measurement results (multi-pipe small-type through flow boiler (city gas): X units)

	Regulation value	Self-control value	Actual measurement	Measurement frequency
NOx (ppm)	Not Applicable	Not Applicable	Not Applicable	Not Applicable
SOx (Nm3/h)	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Soot & dust (mg/Nm3)	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Wastewater measurement results (major results) (Facility, IC at Guard house and IC near Bin Centre): Wastewater is discharged to drainage)

	Regulation value	Self-control value	Actual measurement	Measurement frequency
Hydrogen ion concentration (pH)	6-9	6.5 – 8.5	7.8	Once/2 years
BOD (mg/l)	400	350	10	Once/2 years
COD (mg/l)	600	500	135	Once/2 years
SS (mg/l)	400	300	11	Once/2 years
Nitrogen (mg/l)	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Fluorine (mg/l)	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Noise & vibration measurement results (Boundary noise)

	Location: Time	Regulation value	Self-control value	Actual measurement	Measurement frequency
Noise (dB)	Lot boundary: Day	75	72	64	Once/3 years
	Lot boundary: Night	65	62	58	Once/3 years
Vibration (dB)	Lot boundary: Day	Not Applicable	Not Applicable	Not Applicable	Not Applicable
	Lot boundary: Night	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Other measurement results (Sewage Water Law: Major results)

	Regulation value	Self-control value	Actual measurement	Measurement frequency
Hydrogen ion concentration (pH)	6-9	6.5 – 8.5	7.8	Once/2 years
BOD (mg/l)	400	350	10	Once/2 years
SS (mg/l)	400	300	11	Once/2 years

Environmental accidents, administrative advices and complaints

	State
Environmental accident	None
Environmental problem around the factory and in the local area	None
Administrative advice or direction	None
Complaint from neighboring residents	None

TOSHIBA

Environmental communication

＜Beach Clean-Up at The Cove, Pasir Ris Park with Toshiba Group of Companies in Singapore＞



The beach clean-up activity at The Cove, Pasir Ris Park was successfully carried out with the enthusiastic participation from employees of the Toshiba Group of Companies, who volunteered their time and effort. This initiative reflects our collective commitment to environmental sustainability and aligns with our goal of fostering a marine friendly environment.

Date : 11th Dec 2024

A total of 51 volunteers from Toshiba groups companies in Singapore were participated in this clean-up and collectively removed 53kg of trash from the coast.

＜Tree Planting at Ulu Pandan Park Connector with E-waste Partners＞



A meaningful tree planting event was held at Ulu Pandan Park Connector, in collaboration with the National Parks Board and the Garden City Fund, with active participation from TSE and e-waste partners. This initiative reflects a shared commitment to environmental stewardship, uniting individual and corporate efforts in support of a greener, more sustainable Singapore.

Date : 30th Nov 2024

A total of 8 trees were planted by 29 volunteers from TSE and e-waste partners. The name of species planted were Cananga Odorata var. Fruiticosa (Dwaf Ylang-Ylang Tree), Tarenna Fragrans (River Tarenna), Ardisia Elliptica (Seahorse Ardisia)

＜Environmental Exhibition Week in Toshiba TEC Singapore＞

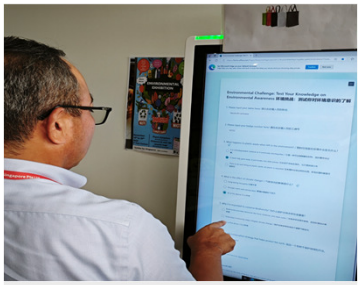
EHS committee in TSE had successfully organized the Environmental Exhibition week at canteen during lunch time. This event features informative and meaningful discussion on sustainability, with employee engagement playing a crucial roles in its success.

Date : 16th to 20th Dec 2024

A total of 110 participants attended the exhibition. During the interactive kiosk session, tokens were given away and 30 indoor plants were offered for adoption.



Informative Display Panel



Interactive TSE kiosk



Video showcases



Indoor Plants Adoption

Conservation of Biodiversity

<Bird and Butterfly Survey>

Half-yearly, we conducted butterfly and bird surveys at neighbouring Bishan-Ang Mo Kio Park. The data collected from this survey are submitted to National Parks Board to help understand common species residing at the parks and this contributed to rehabilitation efforts of Singapore.

A total of 15 butterfly species and 14 bird species spotted.

Environmental targets

The main Environmental targets for FY2025.

Item	Indicator	Target for FY2025
Global warming prevention	Reduction in the CO_2 emissions FY2007	66% reduction
Optimization of resources	In the ratio of total amount of waste generated to output relative to FY2007	32% reduction
Control of Chemical Substances	Reduction in the quantity of the toxic chemical FY2007	88% reduction

Environmental objectives

The main Environmental objectives for FY2027.

Item	Indicator	Objective for FY2027
Global warming prevention	Reduction in the CO_2 emissions FY2007	66% reduction
Optimization of resources	In the ratio of total amount of waste generated to output relative to FY2007	43% reduction
Control of Chemical Substances	Reduction in the quantity of the toxic chemical FY2007	90% reduction