

PT . TEC INDONESIA Site Report Information

Address: Lot 108-110, Batamindo Industrial Park, Mukakuning, Batam 29433

Lot area: 20,475 m², Building area: 19,333.6 m², Green ratio: 22.4 %

Establishment: 1st July 1992, Employees: 1543 (as of March 2023)

Major products: Dot Matrix Printers, POS Products, Barcode Printers, Betting Terminal and Kiosk Printers.

ISO 14001 Certified: Aug 1998, Latest update: 5th April 2023
(ISO 14001 : 2015 Certificate number: 787805a)



Message from Environmental Preservation Chief

PT. TEC Indonesia (TIE) 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. We promote environmental awareness for sustainable tomorrow.



Environmental Preservation Chief
Bambang Soeratno

Major environmental activities in FY2022

Reduction in CO2 emissions saving

- Replacement of efficiency Air Conditioners system in Production area.
 - Replacement LED lighting in Production area.
 - Reduce burn-in process for selected product from 24 hours to 12 hours.
 - Turn off AC & lighting when no production running.
- Total CO2 emission reduction of 3% compared to FY2021

Reduction in Water

- Replace water efficiency device (eg. Water tap, toilet flushing system) and check leakage regularly.
- Reduce operation hour when low production output
- Promote water saving awareness through poster and email.

Reduction in Waste

- Utilize plastic bottles & the IC Tray for pots of plant (Gardening).
- Return packaging material to local supplier.

Reduction in Chemical

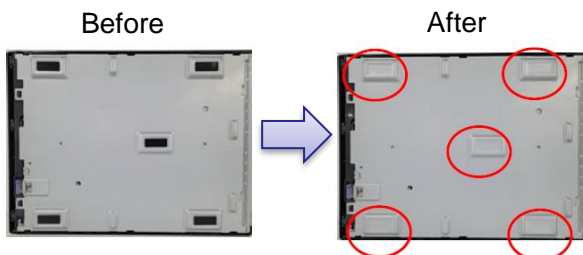
- Review chemical usage in production area.
- Study Alternate Chemical for replace IPA consumption

Conservation of Biodiversity

- Held an exhibition of biodiversity to employees during lunch hours.

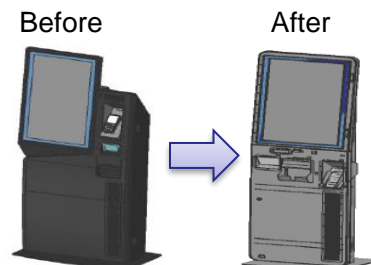
Development of products and environmental technologies, Environmental consideration point

POS Terminal



- 100% removal of rubber foot which make from Polyurethane and Carbon Black.
- Reduce Carbon Black's warming effect on the climate.
- Avoid inhalation of Carbon Black as it is associated with health problems.

Kiosk



- Size and weight of kiosk reduced by approx. 51% and 25% .
- Smaller and lighter devices reduce carbon footprint.
- Reduce material consumption as having smaller product size.

PT. TEC INDONESIA

Integrated Management System Policy

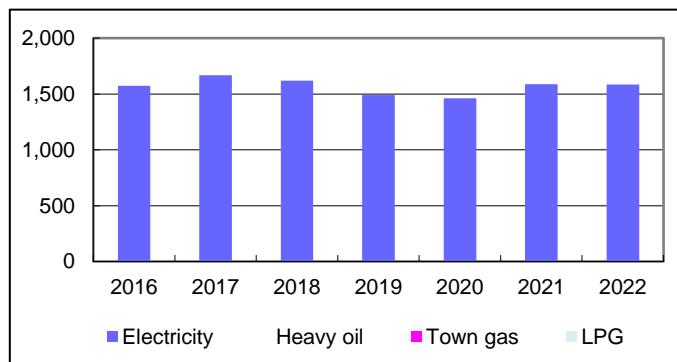
We shall integrate **Quality, Environmental, Health & Safety** considerations in our business decision making to enhance customer satisfaction, manage environmental impact, provide safe and healthy workplaces to prevent injury & ill health and safety hazard, such information are readily available to 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.

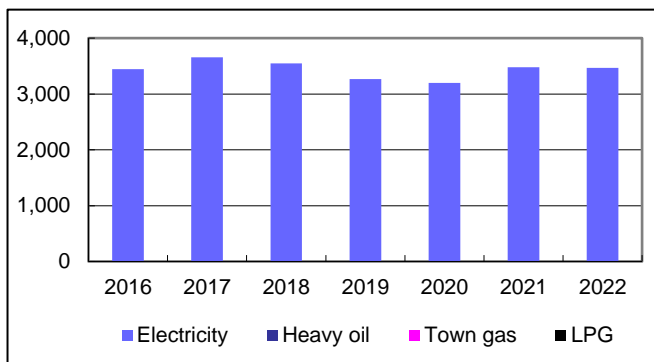
Shingo Hamamura
Managing Director
1 Jan 2022

Environmental load data

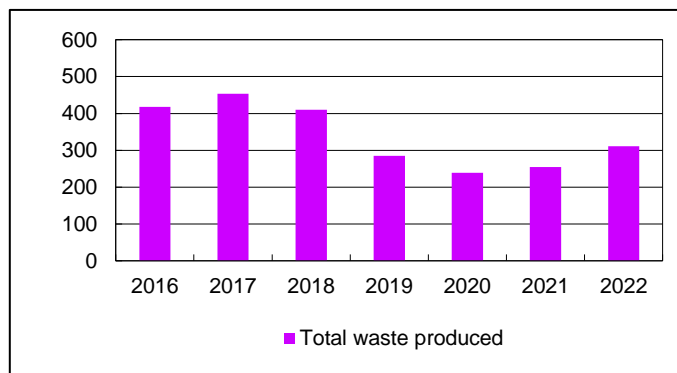
Energy usage (unit: KL)



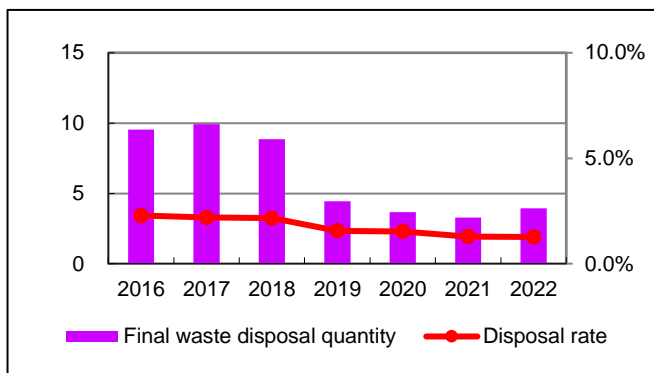
CO₂ emission (unit: ton-CO₂)



Total waste produced (unit: ton)

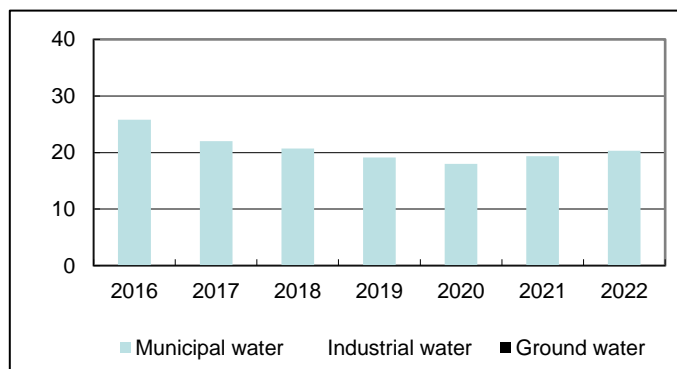


Final waste disposal quantity & disposal rate (unit: ton,%)

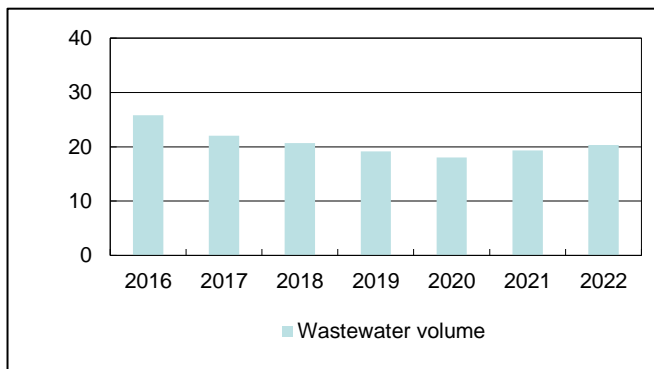


Major wastes: carton, paper, plastic, etc.

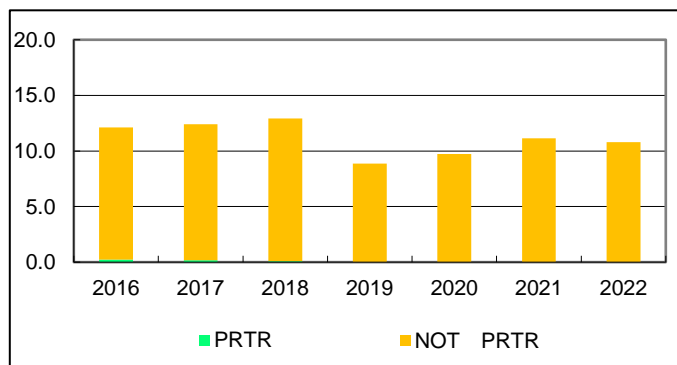
Water usage (unit: 1,000m³)



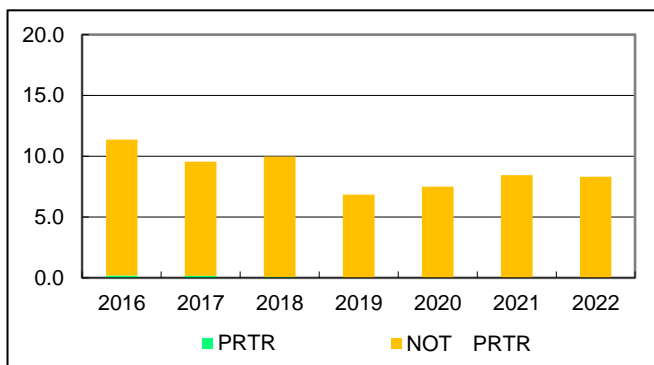
Wastewater volume (unit: 1,000m³)



Handing substances (unit: ton)



Substances volatilized and released to water (unit: ton)



Major chemical substances: IPA (Isopropyl alcohol)

Compliance management

Atmospheric measurement results :

Exhaust fan (SMT, Solder Dross, Dot Head, PCB & Epoxy Room each 1 unit). From outside Building Exhaust fan 5 units

	Regulation value	Self-control value	Actual measurement	Measurement frequency
NO ₂ (mg/Nm ³)	Max. 1000	Max. 500	9.73	Twice/year
SO ₂ (mg/Nm ³)	Max. 800	Max. 400	3.09	Twice/year
Lead, Pb (mg/Nm ³)	Max. 12	Max. 6	0.10	Twice/year

Wastewater measurement results (major results)

Wastewater is discharged to rivers (Lake Duri Angkang). FDS Lot 107,108, 109, 110

	Regulation value	Self-control value	Actual measurement	Measurement frequency
Hydrogen ion concentration (pH)	6.0 - 9.0	6.5 - 8.5	7.12	Twice/year
BOD (mg/l)	Max. 150	Max. 135	19.26	Twice/year
COD (mg/l)	Max. 300	Max. 270	64.15	Twice/year
TSS (mg/l)	Max. 400	Max. 360	19.40	Twice/year
Nitrogen (mg/l)	Max. 60	Max. 30	2.32	Twice/year
Fluoride (mg/l)	Max. 3	Max. 2.7	0.18	Twice/year

Noise & vibration measurement results (Boundary Noise)

	Location: Time	Regulation value	Self-control value	Actual measurement	Measurement frequency
Noise (dB)	Lot boundary: Day	Max. 70	Max. 67	65.15	Twice/year
	Lot boundary: Night	NA	NA	NA	NA
Vibration (dB)	Lot boundary: Day	NA	NA	NA	NA
	Lot boundary: Night	NA	NA	NA	NA

Other measurement results (Sewage Water Law: Major results)

	Regulation value	Self-control value	Actual measurement	Measurement frequency
Hydrogen ion concentration (pH)	NA	NA	NA	NA
BOD (mg/l)	NA	NA	NA	NA
SS (mg/l)	NA	NA	NA	NA

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

Environmental Activities

<CSR Beach Cleaning>

We conduct Beach Cleaning activity located at Nongsas Beach, Batam. A total of 880 kg rubbish (seaweed, woods, dead leaf, food package, plastic bottle, plastic bag, etc.) are collected.

(Outline)

Date: February 25th, 2023

Number of participant 106 participants including TIE Management, TIE EHS member, TIE employees with their families & local resident.



<CSR Tree Planting>

We conduct tree planting activity at Junior High School Batam (SMPN 54 Batam). Some of tree was planted such as Mango, Rambutan, Mangosteen, Longan & Honey Guava.

(Outline)

Date: March 20th, 2023

Number of participant 85 participants including TIE Management, TIE EHS members, teachers and students.



<Conducted E-waste Programm at Company & Dormitory >

We continuously educate employees for properly disposing of electronic equipment used at work and at home, including computer and household appliances. We organized e-waste collection day at workplace and dormitory to collect and disposed e-waste to licensed e-waste collector.

(Outline)

Date: July 18th, 2022

Item collected : CPU, monitor, conventional air-conditioner, refrigerator, washing machine and television.



Conservation of Biodiversity

<Biodiversity Exhibition of *Nepenthes (Kantong Semar)*>

We initiated unique endangered native plant conservation activity in our factory. The type of unique plant selected was *Nepenthes (Kantong Semar)*. In FY2022 we continue this activity by breeding the Kantong Semar in the new places in the company premises.

(Outline)

Date: January 25th, 2023

A total of 856 of employees were joined this activity.



Biodiversity Exhibition

Environmental targets

The main Environmental targets for FY2023.

Item	Indicator	Target for FY2023
Global warming prevention	In the ratio of CO2 emissions to net output relative to FY2005	20 % reduction
Optimization of resources	In the ratio of total amount of waste generated to output relative to FY2005	37 % reduction
Control of Chemical Substances	In the ratio of total amount of toxic chemical generated to output relative to FY2005	50 % reduction

Environmental objectives

The main Environmental objectives for FY2025.

Item	Indicator	Objective for FY2025
Global warming prevention	In the ratio of CO2 emissions to net output relative to FY2005	20 % reduction
Optimization of resources	In the ratio of total amount of waste generated to output relative to FY2005	37 % reduction
Control of Chemical Substances	In the ratio of total amount of toxic chemical generated to output relative to FY2005	62 % reduction