

As Samart Group, Samart Digital Public Company Limited recognizes the importance of environmental problems, which affects the way of life and business operations both directly and indirectly with consideration for preserving the environment and using resources wisely, appreciating its value. Thus, Samart Group determined to manage and operate its business without causing negative impact on environment, community and society throughout the business value chain by adhering to sustainable development guidelines in three dimensions: economically, socially and environmentally. Policies and guidelines have been formulated for energy efficiency appreciating its value. Employees are encouraged to make optimum use of resources, aware of environmental conservation. Knowledge about environmental management is disseminated to groups of stakeholders and continued support given to environmental conservation activities. The environmental policy is published on the Company's website at www.samartdigital.com

The Company and its subsidiaries have achieved environmental management performance according to the sustainability action plan. In the past several years, the Company and its subsidiaries have restructured their business operations, closed down the non-profitable businesses, and reorganized the workforce structure to suit business operations. In addition, since the end of 2019, the COVID-19 pandemic has slowed down to the World's economic and adversely impacting most businesses and industries including the business activities of the Company and its subsidiaries in terms of delay in commence of new projects and decrease or suspended of the provision of services. Therefore, the comparative figures shown below may not reflect performance in the same situation.

The environmental management performance in 2023 according to the sustainability roadmap of the Company and its subsidiaries located in the Software Park building are as follows:

1. Energy Conservation

Samart Group attaches great importance to energy efficiency, appreciating its value. To make optimum use of energy, policies and work plans have been set with the concrete aim to reduce all types of energy and resources consumption in the organization by 2027 by 5% compared to the base year 2019. Related efforts have been made towards the aim of using resources for maximum efficiency in accordance with the Ministry of Industry's standards and the government's BCG policy (Bio-economy, Circular economy, Green economy). The 3Rs principle (Reduce, Reuse, and Recycle) has been put into practice, thereby reducing the cost of energy and resources, while also alleviating the problems and the impact of climate change. The reduction in consumption of energy and resources is summarized below.

1.1 Water

Ongoing campaigns are run to encourage awareness in employees of the value of water so they use it sparingly. The low-flow water-saving approach has also been implemented. Equipment and sanitary ware are regularly checked and maintained. Faults are immediately repaired to avoid unnecessary water loss. Meanwhile, water-saving campaign signs are put up as reminders.

Water consumption of the Company and subsidiaries located in the Software Park building are as follows:

Year	2021	2022	2023
Water consumption (Cubic Meter)	654.67	620.33	513.72

1.2 Electricity

To manage energy used by both lighting and air conditioning systems efficiently, Samart Group has installed and maintained monitoring equipment to control the operation of related electrical systems since 2007. Campaigns are run to encourage awareness in employees of smart use of electricity. This includes turning off lights in the office during lunch break and when not in use. In addition, office air conditioners are set to turn on at 8:00 a.m. and turn off at 5:30 p.m. After implementing such measures, the electricity consumption has a significant reduction.

Electricity consumption of the Company and subsidiaries located in the Software Park building are as follows:

Year	2021	2022	2023
Electricity consumption (KWh)	62,404.07	68,142.04	67,441.48

In addition, the Company has a policy to modify or replace various devices in the office with the aim to reduce electricity consumption continuously including the following:

1.2.1 Replacement with LED energy-saving bulbs: Following the sustainability development plan (SD Roadmap), in 2011, all T8 bulbs were replaced with energy-saving T5 bulbs. Subsequently, the Company gradually switched from T5 energy-saving bulbs to LED ones. So far all the bulbs have been replaced. This has helped save electricity by up to 50% compared to the beginning of the project. Samart Group plans to continue using LED bulbs.

1.2.2 Samart Group has been replacing personal computers with notebooks, starting the project in 2018. The objective is to increase work efficiency as well as to reduce electricity consumption. Compared to a PC computer which consumed 220 watts, it was found that a notebook consumed only nine watts. In addition, as a notebook uses less electricity, the heat build-up in the device also goes down, in turn reducing the heat emitted into the office space, thereby reducing the workload of the air conditioner and the greenhouse gas emission at the same time.

1.3 Fuel and travel expenses

Samart Group has a practice guideline for maximum efficiency with the aim to reduce vehicle fuel consumption, according to fuel economy standards of the Energy Policy and Planning Office, Ministry of Energy, B.E. 2560. Approaches in reducing vehicle fuel consumption and travel include car pooling and scheduling routine vehicle maintenance by mileage. Technology was also brought in befitting the digital age, such as holding more meetings online instead of on site. This helped increase work efficiency while reducing the operational costs as well as reducing air pollution and the greenhouse effect caused by carbon monoxide (CO) and carbon dioxide (CO₂).

Fuel consumption and travel expenses of the Company and subsidiaries located in the Software Park building are as follows:

Year	2021	2022	2023
Cost (Baht)	276,776.00	222,516.34	250,586.52

2. Reducing the use of resources

“Paper” is a resource in the category of consumable office supplies, necessary for the operations in the organization. Considering important the concept of smart use of resources, Samart Group has embarked on the idea of paperless operations. Thus digital platforms have been established for various work systems in order to reduce the use of paper in printing documents. This has added to convenience and work efficiency while also reducing the operating costs.

Paper consumption in business operations of the Company and subsidiaries located in the Software Park building are as follows:

Year	2021	2022	2023
Reams of paper	420	190	315

3. Waste reduction

Samart Group pays attention to management of waste from operations, in accordance with the standards for waste disposal set by the Pollution Control Department, Ministry of Natural Resources and Environment, to reduce environmental pollution problems. Reuse and recycling are promoted and employees are encouraged to be environmentally conscious both at work and in daily life in 24 news articles through public relations channels within the organization, both online and offline regularly throughout the year. It is hoped that the concept will rub off on the employees' families and further on their communities.

Regarding this, the Company practices sorting waste into types as required by law, followed by waste management, including putting up a monthly internal waste management system. Waste is then collected and processed by companies with eligibility standards. The purpose is to keep the offices and nearby areas hygienic, free of pollutants so the Company gets no complaints. In 2023, related efforts were made as follows:

1. Grease from wastewater

Grease traps are inspected to ensure normal working condition and cleaned weekly, totaling 52 times/year.

2. General waste (non-hazardous)

- **Paper and office documents**

According to the Company's operational plan, office documents that are no longer valid or needed are cleared at scheduled times. They are then collected and forwarded to a company appointed to get them into recycling process.

- **Other types of waste**

Campaigns are continually organized every year to educate and raise awareness on proper waste separation and waste management for the purpose of waste reduction, based on the concept of “Reduce, Reuse, Recycle” under “SAMART Loves the Earth” project. Executives and employees are encouraged to realize the importance and the impact of waste on the environment in order to reduce the amount of waste from the beginning at its source. They are also invited to participate waste separation activities. Reusable items are shared with the underprivileged in society. Surplus or expired items are sorted out and properly disposed of so they do not cause pollution to the environment. These efforts are reflected through various activities throughout the year including the following:

- Don't throw away the valuable old desk calendars :** 200 people donated 1,000 old calendars to be made into Braille books for the blind.
- Love Cycle Recycle :** With a campaign promoting the use of reusable drinking glasses, 1,000 disposable plastic cups were not used, thus reducing waste.
- Sharing Shoes :** 100 people donated 288 pairs of shoes in good condition to the Yuvabadhana Foundation, which turned them into scholarships for needy students throughout the country through its fundraising programs.
- Turning Old Clothes into Energy :** Following an exhibition and with a pick-up point, a total of 700 kilograms of old clothes was collected from 400 project participants. The clothes were then sent to a tech company that converts them into refuse- derived fuel. This helps reduce pollution from waste disposal as well as reduce over half a ton of coal in producing energy.



3. **Hazardous waste and electronic waste** Old and faulty light bulbs and electronic devices are discarded at collection points designated by office buildings and the municipality, thus ensuring zero contamination of other wastes.

- **Used face masks and Covid-19 test kits (ATKs)**

During the Covid-19 situations, knowledge was disseminated and employees were advised regarding how to properly sort and dispose of hazardous and contaminated waste such as used face masks and ATKs to avoid contaminating the air and spreading infection. Internal public relations signs and information were continually put up in elevators and office areas as well as posted online. As a result, there was zero contamination of other wastes by used masks and ATKs.



- **Set up a SAMART E-Waste Drop Point** to encourage employees and the general public to be aware of the importance of separating electronic waste for proper disposal in order to reduce environmental pollution problems sustainably.



4. Reduce the greenhouse gas emission

Based on the environmental performance of Samart Group as reported above, it can be seen that the Company pays attention to activities in its value chain that affect the climate and greenhouse gas emissions throughout the work process. The Company supports clients' operations while also providing concrete knowledge for employees and stakeholders to promote understanding, awareness, and an environmental spirit in working towards the goal of becoming a low carbon organization in the following ways.

- **Fuel consumption and travel**
Regarding this, the Company carried out continuous vehicle maintenance as planned. Also, there's a policy to use Thailand's standard fuel to help stabilize the price of palm oil while also reducing pollution. In addition, the car pooling arrangements for work helped reduce twice as much greenhouse gas emissions where the emission rate by a car is at 100 - 200 kgCO_{2e}.
- **Electricity consumption and management**
With airconditioners turned on and off as scheduled during the day helped reduce greenhouse gas emissions from electricity consumption. The replacement of light bulbs with LED bulbs also helped save energy and reduce carbon dioxide production.
- **Water consumption and management**
As a result of regular inspections of water leakage points in the water supply system and sanitary ware, waste of water resources and greenhouse gas emissions were reduced. When comparing every unit (m³) of water saved, greenhouse gas emissions can be reduced by 0.7948 kgCO_{2e}/unit.
- **Waste management**
Management of other types of waste following the concept of "Sustainability for All" under "SAMART Loves the Earth" project, executives and employees are encouraged to separate waste so that to participate waste separation activities. Reusable items are shared with the underprivileged in society. Surplus or expired items are sorted out and properly disposed of so they do not cause pollution to the environment. These efforts are reflected through various activities throughout the year including the following:
 - 2,731 sets of computers and accessories were donated to foundations and needy schools.
 - 1,000 old calendars were donated to the blind for educational use.
 - Waste was reduced as reusable drinking glasses were used instead of 1,000 disposable plastic cups following a campaign promoting a behavioral change.
 - 288 pairs of shoes in good condition were passed on and turned into scholarships for youth in a fundraising campaign.
 - 700 kilograms of unusable old clothes was contributed to a clean energy project to be made into refuse-derived fuel, reducing the pollution from using coal in electricity production by more than half a ton.