

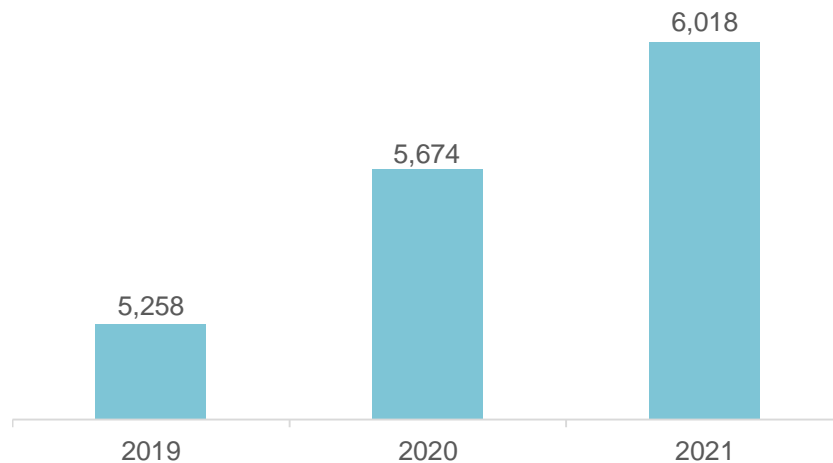


ESG Highlights – Sustainable Environment – Water

- Despite drought and capacity expansion, GlobalWafers 2021 saw a **16.1%¹ reduction in worldwide water unit consumption** and reached **55.5% of water recycling rate in Taiwan plants**, demonstrating the company's commitment to a sustainable environment.
- GlobalWafers implements sound water stewardship to safeguard the scarce and essential resource. With responsible planning and management, GlobalWafers uses water in a way that is socially equitable, environmentally sustainable and economically beneficial.

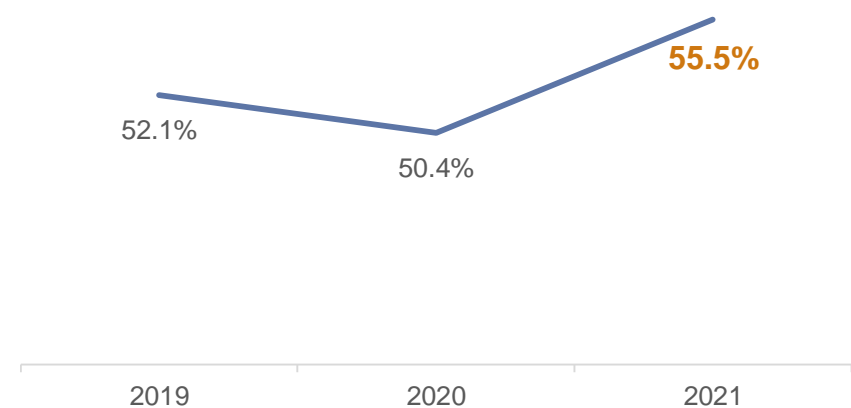
Water Recycling Quantity

(Unit: KM³)



Taiwan Plants Recycling Rate

(Unit: %)



1. Unit Water Consumption = 2021 (Total Water Withdraw Quantity (kM³) / Capacity (KSIE Wafer)) / 2020 (Total Water Withdraw Quantity (kM³) / Capacity (KSIE Wafer)) - 1



ESG Highlights – Sustainable Environment – Power (1)

- Notwithstanding a slight increase in total global electricity consumption due to full load and capacity expansion, GlobalWafers has introduced **ISO 50001** and achieved a **7.1%¹ savings in unit electricity consumption in 2021** compared to 2020.
- By adding **31 new energy-conservation measures**, GlobalWafers' Taiwan plants **saved 6,003,710 kWh of electricity** throughout the year, equivalent to **reducing carbon dioxide emissions by 3,014 metric tons**.

Achievements in 2021

7.1%

2021 achieved 7.1%¹ savings in unit electricity consumption compared to 2020.

ISO 50001

GlobalWafers has introduced ISO50001 energy management system in Taiwan plants to monitor and measure major energy-consuming equipment, formulate action improvement plans, achieve the goal of energy conservation and carbon reduction.

Energy-Conservation Measures

31
Energy-Conservation
Measures

Machine
Efficiency
Enhancement

Air-Conditioning
Energy Saving

Machine
Improvement

Energy Saving
on Lighting

1. Unit Electricity Consumption = 2021 (Total Electricity Consumption (MWh) / Capacity (KSIE Wafer)) / 2020 (Total Electricity Consumption (MWh) / Capacity (KSIE Wafer)) -1



ESG Highlights – Sustainable Environment – Power (2)

- As of June 2022, cumulative solar capacity reached **26.9 MW**, which **generated 31.7 million kWh electricity**, equivalent to **reducing 15,912 tons of CO₂ emissions** and **planting 1,446,560 trees** per year.
- GlobalWafers, one of the few semiconductor manufacturers has its **own solar power plants**, devotes to increasing the weight of green energy and commits to use 100% renewable energy by 2050.

Solar Power Plants

CO₂ Emission Reduction (Accumulated)

(Conversion of electricity consumption generated by solar power plants)

Unit: ton CO₂e

20,000

15,000

10,000

5,000

0

2018

2019

2020

2021

Jun-22

185

638

4,433

12,066

15,912

2 solar power related
SPVs

+

37 solar power plants¹

Secure power
supply and expand
green energy
weight

2030

20%

2035

35%

2040

50%

2050

100%

100% Renewable Energy Usage by 2050



Carbon Removal



Purchase Carbon
Offset Products



Improve
Energy Efficiency



Adopt
Renewable Energy

1. As of 2022/06/30



ESG Highlights – Corporate Governance

- GlobalWafers has been awarded **top 5% corporate governance among all Taiwan listed companies for 4 consecutive years** and included as **Top 10 companies in TIP Taiwan TPEX ESG Index**.
- In order to fulfill corporate culture with integrity and achieve benefits for stakeholders, GlobalWafers enhances the information transparency and build up a high-level governance structure.

Top 5% Corporate Governance



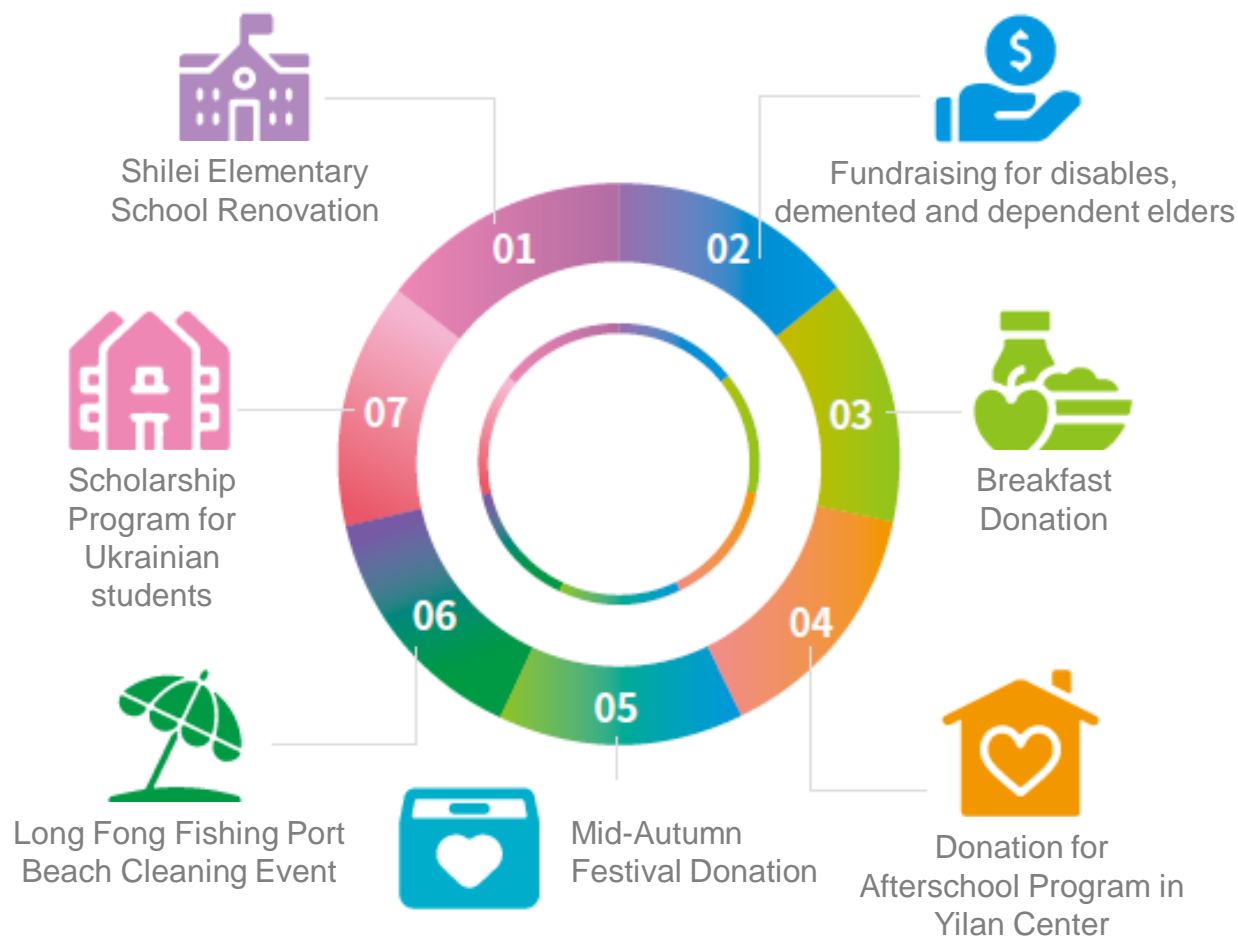
High-level Operation Management



ESG Highlights – Social Concern

➤ GlobalWafers holds charity events covering 4 aspects: **education, children, disability and volunteer** to foster a belief about love and responsibility.

➤ In Taiwan, our activities include “Shilei Elementary School Renovation”, “Scholarship program for Ukrainian Students”, “Breakfast Donation”, etc. These social welfare activities reflect our wishes for those in need, and also convey our warm hearts to the world.





ESG Highlights – Employee Welfare

- GlobalWafers attaches great importance to employee care, covering **workplace, health, life resources and welfare**, to create higher self-worth and a joyful working atmosphere for our employees.
- By forming Women's Leadership Committee in MEMC Korea and receiving the highest level of “Eruboshi” certification in Utsunomiya Factory (MJL), GlobalWafers values gender equality and continuously strives to enhance the career development of female employees.

