

TSC Auto ID Technology Co., Ltd.

Investment in Green Energy Equipment and Specific Benefits report in 2025

The company is keeping up with the global green energy trend. In 2025, we invested about NT\$39 million in solar energy and completed the construction of rooftop solar panels at our Yilan plant in Aug. The total installed capacity is 895.26 kWp. From Aug. to Dec. 2025, the electricity generated was around 400,000 kWh, which we used for our own consumption and sold any surplus. The self-used renewable energy consumption was 705.96 GJ, reducing about 171 tons of CO₂e per year. The reduction details are shown in the table below:

Unit: gigajoule (GJ)

Energy Usage Situation	2023	2024	2025
Total Energy Consumption	2,971.84	2,908.15	2,213.96
Purchased Electricity Usage	2,943.67	2,886.06	2,177.47
Percentage of Purchased Electricity (%) = Purchased Electricity Usage / Total Electricity Usage	99.05%	99.24%	98.35%
Renewable Energy Consumption	-	-	705.96
Percentage of Renewable Energy (%) = Renewable Energy Consumption / Total Energy Consumption	-	-	31.89%

The benefits of the company's solar power construction mainly consider three aspects: environmental, economic, and other advantages.

- Environmental aspect: Solar power is a green energy that doesn't produce carbon dioxide or other greenhouse gases. It helps mitigate climate change, reduce carbon emissions, lower air pollution, and protect the environment.
- Economic aspect: constructing a solar power system by ourselves can reduce reliance on external electricity purchases, thereby lowering electricity costs.

- Other benefits:

- (1) Extending roof lifespan: Solar panels can act as a protective layer for the roof, reducing damage from sun and rain and thus extending the roof's lifespan.
- (2) Indoor cooling: Solar panels can effectively block direct sunlight, lowering indoor temperatures and providing insulation and cooling effects.

Overall, constructing solar power has multiple benefits. It not only improves the company's energy efficiency and reduces energy waste but also shows our commitment to environmental protection.