

ESG sustainability

According to the Sixth Climate Change Assessment Report (AR6) released by the Intergovernmental Panel on Climate Change (IPCC) in 2021, greenhouse gas emissions from human activities have caused a rapid increase in land surface temperature from 1850 to 1900, and it is very likely to cross the 1.5°C warming warning line by 2040. In the face of severe impacts and trends of climate change, how to mitigate and adapt to the impact of climate change has become one of the issues of concern to all countries.

To continuously improve the Company's environmental sustainability actions and further reduce the Company's impact on the environment, the Company will commit to achieve carbon neutrality through the implementation of an organizational carbon neutrality plan and the purchase of offset credits for the carbon emissions calculated by the Company. It is hoped that under the vision of all colleagues working together to reduce the impact of the environment, the sustainable development of the enterprise will no longer be just a slogan, and the timely response to relevant changes will enhance our green international competitiveness, and the change of attitude and values will be transformed into the company culture, so that the company can help maintain a peaceful, stable and healthy global village, improve education, enhance environmental and crisis awareness and enhance the knowledge of the public and enterprises in the mitigation, adaptation, impact reduction and early warning of climate change.

During the period from 2023 to 2040, the Company's carbon neutrality path is expected to achieve the annual carbon neutrality goal through energy conservation and carbon reduction measures such as equipment replacement, combined with the exchange of carbon credits. From 2040 to 2050, the residual greenhouse gas emissions will continue to be offset with carbon credits to maintain the declaration of carbon neutrality, demonstrating the determination to achieve the net-zero emission goal by 2050. Under the leadership of the general manager, the company will be awarded the ESG Quality Enterprise in November 2023.

CEO Anita, HSIEH

managing director



Carbon management strategy and carbon neutrality policy

Those who participate in the voluntary greenhouse gas inventory in parallel with the world's major factories shall be used as the benchmark for greenhouse inventory in accordance with the ISO14061-1:2018 standard, and the report of the Industrial Development Administration of the Ministry of Economic Affairs shall be disclosed as follows:



中小型製造業低碳輔導計畫
碳盤查報告

公司名稱	宸言科技有限公司
案件編號	A2-113-027

主辦單位：經濟部產業發展署

診斷單位：財團法人台灣產業服務基金會

診斷人員：楊耀緯 工程師

←

診斷期間：自中華民國 113 年 11 月 12 日

至中華民國 113 年 11 月 12 日

彙整表二、全廠七大溫室氣體排放量統計表								
	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	NF ₃	七種溫室氣體年總排放當量 ^註
排放當量	112.9047	0.1367	0.4368	0.9203	0.0000	0.0000	0.0000	114.399
氣體別占比	98.69%	0.12%	0.38%	0.80%	0.00%	0.00%	0.00%	100.00%

註：依溫室氣體排放量盤查登錄管理辦法第二條第一款規定，溫室氣體排放量以公噸二氧化碳當量(公噸CO₂e)表示，並四捨五入至小數點後第三位。

彙整表三、類別1 七大溫室氣體排放量統計表								
	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	NF ₃	範疇一七種溫室氣體年總排放當量
排放當量	13.6290	0.1367	0.4368	0.9203	0.0000	0.0000	0.0000	15.1228
氣體別占比	90.12%	0.90%	2.89%	6.09%	0.00%	0.00%	0.00%	100.00%

彙整表四、全廠溫室氣體範疇別及類別1排放型式排放量統計表						
	類別1				類別2	總排放當量 ^註
	固定排放	製程排放	移動排放	逸散排放	能源間接排放	
排放當量 (公噸CO ₂ e/年)	0.0000	0.0000	14.2025	0.9203	99.2757	114.399
氣體別占比 (%)	0.00%	0.00%	12.41%	0.80%	86.78%	100.00%

註：依溫室氣體排放量盤查登錄管理辦法第二條第一款規定，溫室氣體排放量以公噸二氧化碳當量(公噸CO₂e)表示，並四捨五入至小數點後第三位。

Carbon Management Strategies and Reduction Planning:

This is the carbon neutrality path planned for PLAB Technology Co., Ltd. from 1.1 in 2023 ~ 12.31 in 2023, and the first carbon neutrality reporting period is from January 1, 2023 to December 31, 2023, which belongs to the initial stage.

Schedule	Reduction plan	Reduction plan (goals)	Goals to Achieve
Now	<ul style="list-style-type: none"> Replace high-emission equipment with LED lamps, variable frequency air conditioners, etc. 	2025 : <ul style="list-style-type: none"> Phased out one of our own old company car, rent one that meets environmental emission standards, and encourage our colleagues to share corporate taxis Water-cooled air conditioner → Chiller Reduce office paper consumption by 5% Mineral water order quantity decreased by 5% 	2025 : <ul style="list-style-type: none"> Office paper usage Mineral water order quantity Adjustment of electric contract capacity
Long-Term	<ul style="list-style-type: none"> Reduce emergency generator diesel use Continuously replace high-emission equipment Implement negative carbon emission technology (carbon sink) 	2030 : <ul style="list-style-type: none"> Emergency generator diesel fuel consumption and carbon emissions reduced by 4% Replace fixed-frequency air compressors with variable-frequency air compressors Phased out water-cooled air conditioners that have exceeded the service life year by year Reduce office paper consumption by 10% Mineral water order quantity reduced by 10% 2050: <ul style="list-style-type: none"> Achieve net zero emissions 	2030 : <ul style="list-style-type: none"> Emergency generator diesel usage Office paper usage Mineral water order quantity 2050: <ul style="list-style-type: none"> Execution status of carbon negative technology

Carbon offset strategies

In addition to replacing energy-saving, low-carbon equipment, implementing low-carbon procurement, and other reduction measures to achieve organizational greenhouse gas reduction, the implementation of carbon neutrality will be carried out through CDM, VCS and Gold Standard, and with the goal of improving energy efficiency, the relevant carbon credits (Energy Efficiency Domestic, Solar Thermal Electricity, Biogas) will be purchased to complete the carbon offset of retained emissions.

The Company has established the Taiwan Carbon Solution Exchange (TCX)

Open a carbon credit account, including simple type and removal type: green carbon and blue carbon (removal type: afforestation) to provide global customers with carbon neutrality.