

证书

测算标准 **ISO 14064-1:2018**
证书登记号码 **CF 50632257 0001**
报告号码 **48246707 001**

证书持有者:

元山科技工业股份有限公司
台湾 81449 高雄市仁武区凤仁路 329 号
所包括场址已列于证书附件上
台湾德国莱茵技术监护顾问股份有限公司

审定与核查场址:

ISO 14064-3:2019

审定与核查机构:

审定与核查标准:

基准年:

- 2023 (2023.01.01~2023.12.31)

审定与核查年度:

- 2023 (2023.01.01~2023.12.31)

方案:

- 自愿性温室气体方案

核查保证等级:

- 合理保证

汇总方法:

- 营运控制权法

实质性:

- 5%

温室气体种类:

- CO₂、CH₄、N₂O、HFCs、PFCs、SF₆、NF₃

审定与核查范围:

基于取得的资讯进行评估之结论:

- 全球暖化潜势(GWP): IPCC 2021, AR6

- 碳排放总量为 929.313 吨二氧化碳当量(tCO₂e)

- 类别一 直接排放为 20.1850 吨/二氧化碳当量(tCO₂e)

- 类别二 间接 输入能源排放为 486.0781 吨/二氧化碳当量(tCO₂e)

- 类别三 间接 运输排放为 5.6545 吨/二氧化碳当量(tCO₂e)

- 类别四 间接 组织使用产品排放为 417.3952 吨/二氧化碳当量(tCO₂e)

- 类别五 间接 与使用组织产品有关排放为 未量化

- 类别六 间接 其他排放为 未量化

- 数据与资讯:

- 历史性资料: 类别一 / 类别二

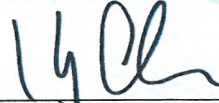
- 历史性资料及情境模型: 类别三 / 类别四

- 因核查期间 2023 年电力排碳因子尚未公告, 故使用 2022 年排放因子进行测算

有效性:

本证书仅对年度测算的排放数据进行核查, 非对管理系统进行认证

2024-07-29


台湾德国莱茵技术监护顾问股份有限公司
台湾 105 台北市八德路四段 758 号 11 楼

This verification and validation is based on the information made available to TÜV Rheinland and the engagement conditions detailed above. Therefore, TÜV Rheinland cannot guarantee the accuracy or correctness of this information. TÜV Rheinland cannot be held liable by any party relying or acting upon this verification and validation

证书附件

测算标准	ISO 14064-1:2018
证书登记号码	CF 50632257 0001
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- 审定与核查场址：
- 中国 523129 广东省东莞市东坑镇塔岗路久远工业区东兴东路 315 号
- 核查：
- 场址访视、人员访谈、确认操作行为与程序、所有权评估、资料与资讯积累过程、追踪与取样、管制与估计测试、生产与排放间的分析程序、数据验算与文件审查
- 核查意见：
- 合理保证
- 经修改的意见
 - 具充分且适当的证据支持实质性的排放量、移除量或储存
 - 对实质的排放量或储存采取适当的准则
 - 查证者欲依靠管制时，其管制有效性已被评估
 - 经修改的程序，计算方法，数据，系数或文件，对实质性，预期使用者对温室气体宣告的理解影响不重要 (修改的详细项目请见查验发现报告) 修改了：
 - 程序、数据、系数、文件

Certificate

Inventory Standard **ISO 14064-1:2018**
Certificate Registr. No. **CF 50632257 0001**
Report No. **48246707 001**

Certificate Holder: **Yen Sun Technology Corp.**
No.329, Fengren Road, Renwu District, Kaohsiung City 81449 Taiwan

Validation & Verification Site: **Including the sites according to annex**

Validation & Verification Body: **TÜV Rheinland Taiwan Ltd.**

Validation & Verification Standard: **ISO 14064-3:2019**

Base year:

- 2023 (2023.01.01~2023.12.31)

Validation & Verification year:

- 2023 (2023.01.01~2023.12.31)

Programme:

- Voluntary GHG scheme

Level of Assurance:

- Reasonable

Consolidation methodology:

- Operational Control

Materiality:

- 5%

Type of Greenhouse Gases:

- CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃

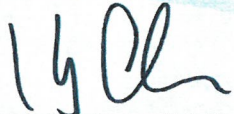
Validation & Verification Scope: **Based on the information we have received and evaluated that:**

- Global warming potential (GWP): IPCC 2021, AR6
 - The total carbon emission is 929.313 tonnes CO₂ equivalent (tCO₂e)
 - Category 1 Direct emission is 20.1850 tCO₂e
 - Category 2 Indirect Imported energy emission is 486.0781 tCO₂e
 - Category 3 Indirect Transportation emission is 5.6545 tCO₂e
 - Category 4 Indirect Products used by organization emission is 417.3952 tCO₂e
 - Category 5 Indirect Associated with the use of products from the organization emission is not quantified
 - Category 6 Indirect Other sources emission is not quantified
- Data and information
 - Historical in nature: Category 1 / 2
 - Historical in nature with scenario models: Category 3 / 4
- 2023 electricity carbon emission factor had not yet been published during the verification, the 2022's factor for GHGs calculation was used for the inventory.

Validity:

This certificate only reviewed the emissions data of inventory year, this certificate is not for the management systems certification.

2024-07-29


TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd., Taipei
105, Taiwan

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Annex to certificate

Inventory Standard **ISO 14064-1:2018**

Certificate Registr. No. **CF 50632257 0001**

Report No. **48246707 001**

Validation & Verification Site:

- No.315, Dongxing East Road, JiuYuan Industrial Zone, Tagang Road, Dongkeng Town, DongGuan City, Guangdong Province 523129,P.R.China

Verification Method:

- Site visit, Interview, confirm operational behavior and procedures, Evaluation of ownership, Data and information aggregation process, trail, sampling, Control and estimate testing, Analytical procedures between production and emissions, Re-calculation and document review

Verification opinions:

Reasonable Assurance

- Modified opinion
 - there is sufficient and appropriate evidence to support material emissions, removals or storage;
 - the criteria are applied appropriately for material emissions, removals or storage;
 - the effectiveness of controls has been evaluated when the verifier intends to rely on those controls.
 - modified procedures, calculation methods, data, factors or documents, there are have insignificant impact on materiality, intended users' understanding of GHG claims, modified (Please refer to the finding report for the detail revised items):
 - Procedures, Data, Factors, Documents