

bsi.

Opinion Statement



Greenhouse Gas Emissions Verification Opinion Statement

This is to verify that: **TECO Electric & Machinery Co., Ltd.**
5F
No. 19-9, San Chong Rd.
Nan-Kang Dist.
Taipei City
115601
Taiwan

東元電機股份有限公司
台灣
台北市
南港區
三重路 19-9 號
5 樓
115601

Holds Statement No: **GHGEV 816855**

Verification opinion statement

As a result of carrying out verification and validation procedures in accordance with ISO 14064-3:2019, it is the statement for mixed engagement including reasonable assurance for verification activity, validation and agreed-upon procedures (AUP) contains the following:

- The Greenhouse Gas Emissions with **TECO Electric & Machinery Co., Ltd.** for the period from 2024-01-01 to 2024-12-31 was verified and validated.
- The verified organization-level greenhouse gas emissions include direct greenhouse gas emissions 2,279.6 tonnes of CO₂ equivalent and indirect greenhouse gas emissions from imported energy 15,001.4 tonnes of CO₂ equivalent.
- **TECO Electric & Machinery Co., Ltd.** has defined and explained its own process and pre-determined criteria for significance of indirect Greenhouse Gas Emissions and quantify and report these identified significant emissions accordingly.

For and on behalf of BSI:

Managing Director BSI Taiwan, Peter Pu

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...making excellence a habit.™

The British Standards Institution is independent to the above named client and has no financial interest in the above named client. This Opinion Statement has been prepared for the above named client only for the purposes of verifying its statements relating to its carbon emissions more particularly described in the scope. It was not prepared for any other purpose. The British Standards Institution will not, in providing this Opinion Statement, accept or assume responsibility (legal or otherwise) or accept liability for or in connection with any other purpose for which it may be used or to any person by whom the Opinion Statement may be read. This Opinion Statement is prepared on the basis of review by The British Standards Institution of information presented to it by the above named client. The review does not extend beyond such information and is solely based on it. In performing such review, The British Standards Institution has assumed that all such information is complete and accurate. Any queries that may arise by virtue of this Opinion Statement or matters relating to it should be addressed to the above named client only.

Taiwan Headquarters: 2nd Floor, No. 37, Ji-Hu Rd., Nei-Hu Dist., Taipei 114, Taiwan, R.O.C.
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The Greenhouse Gas Emissions Verification activities are based on reasonable level of assurance:

- The data and information of greenhouse gas emissions are based on historical in nature, and no material misstatements for the period from 2024-01-01 to 2024-12-31 Greenhouse Gas Emissions calculation were revealed.
- Data quality was considered acceptable in meeting the principles as set out in ISO 14064-1:2018.
- According to the intended purpose, the emission factor for electricity 0.494 kgCO₂e per kWh is adopted to quantify indirect greenhouse gas emissions from imported energy

EMISSIONS		Notes	tonnes CO ₂ e
Category 1: Direct GHG emissions and removals			2,279.6
1.1	Stationary combustion		1,216.5
1.2	Mobile combustion		214.8
1.3	Industrial processes (anthropogenic systems)		5.3
1.4	Fugitive (anthropogenic systems)		843.0
1.5	Land use, land use change and forestry		0.0
Direct emissions in tonnes of CO ₂ e from biomass			0.0
Category 2: Indirect GHG emissions from imported energy			15,001.4
2.1	Indirect emissions from imported electricity	location-based approach	15,001.4
2.2	Indirect emissions from imported energy (steam, heating, cooling and compressed air)		0.0

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Agreed upon procedures (AUP)

- AUP are specific types of verification activities, BSI have performed the evidence-gathering procedures for the period from 2024-01-31 to 2024-12-31.
- BSI do not express any assurance on the GHG emissions, removals and storage in listed below.

EMISSIONS		Notes	AUP Item(s)	tonnes CO ₂ e
Category 3: Indirect GHG emissions from transportation				812.1
3.1	Emissions from upstream transport and distribution for goods	Use the Distance-based method	Transportation 4,601,134.9 tkm	812.1
Category 4: indirect GHG emissions from products used by organization				74,537,533.4
4.1	Emissions from Purchased goods	Goods: Use the supplier-specific method Energy & Fuel: Use the Average-data method	Purchased goods 1,690,846.9 tonnes Electricity 30,367.2 MWh Fuel 193.6 KL Natural gas 513.8 KM ³	74,537,334.6
4.3	Emissions from the disposal of solid and liquid waste	Use the waste-type-specific method	Waste disposal 2,355.4 tonnes Waste water treatment 85,884.7 M ³ Waste transportation 171,878.2 tkm	198.8

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Statement No: GHGEV 816855

The direct GHG emissions and removals(cat.1) and indirect GHG emissions from imported energy (cat.2) were verified in selected branches and representative offices, including but not limited to the following:

Location	Verification Information
TECO Electric & Machinery Co., Ltd. Headquarter 5F, No. 19-9, San Chong Rd, Nan-Kang Dist. Taipei City, 115601 Taiwan (R.O.C.) 東元電機股份有限公司總公司 115601 臺灣台北市南港區三重路 19-9 號 5 樓	The Greenhouse Gas Emissions with the TECO Electric & Machinery Co., Ltd. Headquarter for the period from 2024-01-01 to 2024-12-31 was verified, including direct greenhouse gas emissions 3.9 tonnes of CO ₂ equivalent and indirect greenhouse gas emissions from imported energy 1,064.3 tonnes of CO ₂ equivalent.
TECO Electric & Machinery Co., Ltd. Engineering Projects 5F, No. 19-9, Sanchong Rd., Nangang Dist. Taipei City, 115601, Taiwan 東元電機股份有限公司工程處專案 115601 臺北市南港區三重路 19-9 號 5 樓	The Greenhouse Gas Emissions with the TECO Electric & Machinery Co., Ltd. Engineering Projects for the period from 2024-01-01 to 2024-12-31 was verified, including direct greenhouse gas emissions 59.8 tonnes of CO ₂ equivalent and indirect greenhouse gas emissions from imported energy 176.0 tonnes of CO ₂ equivalent.
TECO Electric & Machinery Co., Ltd. Zhongli Plant No. 11, Andong Rd., Zhongli Dist., Taoyuan City 320023, Taiwan 東元電機股份有限公司中壢廠 320023 桃園市中壢區復興里安東路 11 號	The Greenhouse Gas Emissions with the TECO Electric & Machinery Co., Ltd. Zhongli Plant for the period from 2024-01-01 to 2024-12-31 was verified, including direct greenhouse gas emissions 1,357.8 tonnes of CO ₂ equivalent and indirect greenhouse gas emissions from imported energy 12,090.5 tonnes of CO ₂ equivalent.
TECO Electric & Machinery Co., Ltd. Guanyin Plant (include 7 service centers) No. 1568, Sec. 1, Zhongshan Rd., Guanyin Dist. Taoyuan City 328012, Taiwan 東元電機股份有限公司觀音廠(含 7 家電站) 328012 桃園市觀音區金湖里中山路 1 段 1568 號	The Greenhouse Gas Emissions with the TECO Electric & Machinery Co., Ltd. Guanyin Plant (include 7 service centers) for the period from 2024-01-01 to 2024-12-31 was verified, including direct greenhouse gas emissions 108.5 tonnes of CO ₂ equivalent and indirect greenhouse gas emissions from imported energy 636.9 tonnes of CO ₂ equivalent.
TECO Electric & Machinery Co., Ltd. Guanyin Plant II No. 6, Guojian 1st Rd., Guanyin Dist. Taoyuan City, 328453, Taiwan (R.O.C.) 東元電機股份有限公司觀音二廠 328453 台灣桃園市觀音區國建一路 6 號	The Greenhouse Gas Emissions with the TECO Electric & Machinery Co., Ltd. Guanyin Plant II for the period from 2024-01-01 to 2024-12-31 was verified, including direct greenhouse gas emissions 85.5 tonnes of CO ₂ equivalent and indirect greenhouse gas emissions from imported energy 122.3 tonnes of CO ₂ equivalent.
TECO Electric & Machinery Co., Ltd. Hukou Plant No. 15, Zhonghua Rd., Hukou Township Hsinchu County, 303035, Taiwan (R.O.C.) 東元電機股份有限公司湖口廠 303035 台灣新竹縣湖口鄉中華路 15 號	The Greenhouse Gas Emissions with the TECO Electric & Machinery Co., Ltd. Hukou Plant for the period from 2024-01-01 to 2024-12-31 was verified, including direct greenhouse gas emissions 530.0 tonnes of CO ₂ equivalent and indirect greenhouse gas emissions from imported energy 874.2 tonnes of CO ₂ equivalent.
TECO Electric & Machinery Co., Ltd. Tamsui Plant No. 9, Xingren Rd., Tamsui Dist., New Taipei City 251031, Taiwan (R.O.C.) 東元電機股份有限公司淡水廠 251031 台灣新北市淡水區興仁路 9 號	The Greenhouse Gas Emissions with the TECO Electric & Machinery Co., Ltd. Tamsui Plant for the period from 2024-01-01 to 2024-12-31 was verified, including direct greenhouse gas emissions 134.1 tonnes of CO ₂ equivalent and indirect greenhouse gas emissions from imported energy 37.3 tonnes of CO ₂ equivalent.

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温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

No.GHG-INV-12-2025-0082

本核查陈述针对:

This is to verify that:

台安科技（无锡）有限公司

Taian Technology (Wuxi) Co., Ltd.

地址: 江苏省无锡国家高新技术产业开发区 65-C 号地块-新吴区高浪东路 29 号

Add: No.29 Gaolang East Road, Xinwu District-Block 65-C, High New Technology Development Zone, Wuxi City, Jiangsu Province, P.R.China

中国质量认证中心根据相关核查程序发布本核查陈述。

CQC issues a verification statement according to related verification procedures.

中国质量认证中心认为:

CQC here confirms that:

- ◆ 2025 年 3 月 15 日发布的台安科技（无锡）有限公司 2024 年度温室气体报告（版本: **B-2**）表明台安科技（无锡）有限公司在 2024 年 1 月 1 日至 2024 年 12 月 31 日之间温室气体排放量为 **6,991** 吨 CO₂ 当量，温室气体清除量为 **0** 吨 CO₂ 当量。

It's asserted in 2024 Taian Technology (Wuxi) Co., Ltd. Greenhouse Gas Emission Report (Version: **B-2**) published on **Mar. 15th, 2025** that Taian Technology (Wuxi) Co., Ltd. Greenhouse Gas Emissions were **6,991** tonnes CO₂ Equivalent and Greenhouse Gas Removal was **0** tonnes CO₂ Equivalent from **Jan. 1st, 2024** to **Dec. 31st, 2024**.

- ◆ 台安科技（无锡）有限公司温室气体排放和清除的量化、监测和报告遵从 **ISO 14064-1:2018** 的相关要求。

The quantification, monitoring and reporting of Taian Technology (Wuxi) Co., Ltd. Greenhouse Gas emissions and removals comply with the requirement of **ISO 14064-1:2018**.

- ◆ 该声明不存在实质性偏差，达到了合理保证等级的相关要求。

The assertion has no material errors and reaches the requirements of reasonable level of assurance.

签发
SIGNATURE

谢肇煦



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0082

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本证书及附件应同时使用, 信息查验说明见证书页

受台安科技(无锡)有限公司的委托, 中国质量认证中心(CQC)根据 ISO14064-1: 2018 和 ISO14064-3: 2019 对台安科技(无锡)有限公司温室气体排放报告进行了独立的第三方核查。台安科技(无锡)有限公司是一家主要生产配电开关控制设备产品的企业, 位于江苏省无锡国家高新技术产业开发区 65-C 号地块-新吴区高浪东路 29 号。本次核查的温室气体报告覆盖时间段为 2024 年 1 月 1 日至 2024 年 12 月 31 日, 该报告中的温室气体声明是基于适用的技术文献和台安科技(无锡)有限公司的历史活动数据所做出的。台安科技(无锡)有限公司负责本覆盖时间段内的温室气体信息系统, 包括资料的记录和报告程序的运行。

本次核查服务的范围、目的、准则和保证等级是建立在台安科技(无锡)有限公司和中国质量认证中心达成共识的基础之上:

核查范围

中国质量认证中心对台安科技(无锡)有限公司的温室气体报告以及温室气体信息、监测、量化、相关程序进行核查, 包括组织对于参考文件中信息的合理使用。

组织边界	台安科技(无锡)有限公司 (江苏省无锡国家高新技术产业开发区 65-C 号地块-新吴区高浪东路 29 号)	
报告边界	台安科技(无锡)有限公司在配电开关控制设备产品的生产与相关管理过程中产生的直接温室气体排放、能源输入引起的间接温室气体排放、部分交通运输引起的间接温室气体排放和部分组织使用的产品/服务引起的间接温室气体排放	
温室气体源、汇和库	仅涉及温室气体源, 不涉及温室气体汇和库, 参见 2025 年 3 月 15 日发布的台安科技(无锡)有限公司温室气体 2024 年度排放报告(版本: B-2)	
披露范围内温室气体排放	二氧化碳(CO ₂): 6,895.07 吨 CO ₂ 当量 甲烷(CH ₄): 13.17 吨 CO ₂ 当量 氧化亚氮(N ₂ O): 0.66 吨 CO ₂ 当量 氢氟碳化物(HFCs): 81.97 吨 CO ₂ 当量	直接排放: 111.85 吨 CO ₂ 当量 能源输入引起的间接排放: 724.13 吨 CO ₂ 当量 交通运输引起的间接排放: 888.37 吨 CO ₂ 当量 组织使用的产品/服务引起的间接排放: 5,266.52 吨 CO ₂ 当量
覆盖时间段	2024 年 1 月 1 日至 2024 年 12 月 31 日	
基准年信息	2021 年 1 月 1 日至 2021 年 12 月 31 日为台安科技(无锡)有限公司首次进行温室气体量化和报告的年份, 2021 年 1 月 1 日至 2021 年 12 月 31 日为台安科技(无锡)有限公司温室气体排放量化和报告的基准年, 基准年排放状况见 2022 年 7 月 15 日发布的台安科技(无锡)有限公司温室气体 2021 年度排放报告(版本: A-1)。	
证书发布时间	2025 年 4 月 22 日	



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0082

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本证书及附件应同时使用, 信息查验说明见证书页

核查目的

本次核查工作旨在通过客观的证据, 对相关信息提供独立的评价, 包括:

- 温室气体报告中的信息是否符合相关性、完整性、一致性、准确性、透明性的原则;
- 所报告的数据结果是否存在实质性的错误和遗漏;
- 是否满足预定的保证等级。

核查准则

本次核查工作的准则为 ISO14064-1: 2018 和 ISO14064-3: 2019。

保证等级

本次核查的保证等级经双方事先确认为合理保证等级。

核查说明

中国质量认证中心的核查陈述是基于自身对于相关温室气体信息风险的理解和所采取的合理风险控制措施而得出的。

为获取我们认为必需的信息和证据, 以保证台安科技(无锡)有限公司 2024 年 1 月 1 日至 2024 年 12 月 31 日的温室气体报告达到合理保证等级, 中国质量认证中心制定了核查计划, 并履行了该计划。中国质量认证中心采纳的核查证据包括对组织报告的温室气体排放量和相关信息在抽样的基础之上得到的发现。

本核查陈述应当和台安科技(无锡)有限公司 2024 年度温室气体报告同时提供给目标用户。



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

No.GHG-INV-12-2025-0084

本核查陈述针对:

This is to verify that:

无锡东元精密机械有限公司

Wuxi TECO Precision Industry Co., Ltd.

地址: 江苏省无锡市新吴区长江东路 17 号

Add: No. 17 Changjiang East Road, Xinwu District, Wuxi City, Jiangsu Province,
P.R.China

中国质量认证中心根据相关核查程序发布本核查陈述。

CQC issues a verification statement according to related verification procedures.

中国质量认证中心认为:

CQC here confirms that:

- ◆ **2025 年 3 月 17 日**发布的无锡东元精密机械有限公司 2024 年度温室气体报告 (版本: **A2**) 表明无锡东元精密机械有限公司在 **2024 年 1 月 1 日至 2024 年 12 月 31 日**之间温室气体排放量为 **2,830 吨 CO₂ 当量**, 温室气体清除量为 **0 吨 CO₂ 当量**。

It's asserted in 2024 Wuxi TECO Precision Industry Co., Ltd. Greenhouse Gas Emission Report (Version: **A2**) published on **Mar. 17th, 2025** that Wuxi TECO Precision Industry Co., Ltd. Greenhouse Gas Emissions were **2,830 tonnes CO₂ Equivalent** and Greenhouse Gas Removal was **0 tonnes CO₂ Equivalent** from **Jan. 1st, 2024 to Dec. 31st, 2024**.

- ◆ 无锡东元精密机械有限公司温室气体排放和清除的量化、监测和报告遵从 **ISO 14064-1:2018** 的相关要求。

The quantification, monitoring and reporting of Wuxi TECO Precision Industry Co., Ltd. Greenhouse Gas emissions and removals comply with the requirement of **ISO 14064-1:2018**.

- ◆ 该声明不存在实质性偏差, 达到了合理保证等级的相关要求。

The assertion has no material errors and reaches the requirements of reasonable level of assurance.

签发
SIGNATURE

谢肇煦



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0084

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本证书及附件应同时使用, 信息查验说明见证书页

受无锡东元精密机械有限公司的委托, 中国质量认证中心(CQC)根据 ISO14064-1: 2018 和 ISO14064-3: 2019 对无锡东元精密机械有限公司温室气体排放报告进行了独立的第三方核查。无锡东元精密机械有限公司是一家主要生产电机用定子、转子和定/转子冲片产品的企业, 位于江苏省无锡市新吴区长江东路 17 号。本次核查的温室气体报告覆盖时间段为 2024 年 1 月 1 日至 2024 年 12 月 31 日, 该报告中的温室气体声明是基于适用的技术文献和无锡东元精密机械有限公司的历史活动数据所做出的。无锡东元精密机械有限公司负责本覆盖时间段内的温室气体信息系统, 包括资料的记录和报告程序的运行。

本次核查服务的范围、目的、准则和保证等级是建立在无锡东元精密机械有限公司和中国质量认证中心达成共识的基础之上:

核查范围

中国质量认证中心对无锡东元精密机械有限公司的温室气体报告以及温室气体信息、监测、量化、相关程序进行核查, 包括组织对于参考文件中信息的合理使用。

组织边界	无锡东元精密机械有限公司 (江苏省无锡市新吴区长江东路 17 号)	
报告边界	无锡东元精密机械有限公司在电机用定子、转子和定/转子冲片品印刷产品的生产与相关管理过程中产生的直接温室气体排放、能源输入引起的间接温室气体排放、部分交通运输引起的间接温室气体排放、部分组织使用产品导致的间接温室气体排放和部分其他类别的间接温室气体排放	
温室气体源、汇和库	仅涉及温室气体源, 不涉及温室气体汇和库, 参见 2025 年 3 月 17 日发布的无锡东元精密机械有限公司温室气体 2024 年度排放报告 (版本: A2)	
披露范围内温室气体排放	二氧化碳(CO ₂): 2,799.11 吨 CO ₂ 当量 甲烷(CH ₄): 2.80 吨 CO ₂ 当量 氧化亚氮(N ₂ O): 1.81 吨 CO ₂ 当量 氢氟碳化物(HFCs): 25.4 吨 CO ₂ 当量	直接排放: 767.95 吨 CO ₂ 当量 能源输入引起的间接排放: 746.63 吨 CO ₂ 当量 交通运输引起的间接排放: 151.81 吨 CO ₂ 当量 组织使用产品导致的间接排放: 1,163.40 吨 CO ₂ 当量
覆盖时间段	2024 年 1 月 1 日至 2024 年 12 月 31 日	
基准年信息	2021 年 01 月 01 日至 2021 年 12 月 31 日为无锡东元精密机械有限公司首次进行温室气体量化和报告的年份, 2021 年 01 月 01 日至 2021 年 12 月 31 日为无锡东元精密机械有限公司温室气体排放量化和报告的基准年, 基准年排放状况见 2022 年 7 月 13 日发布的无锡东元精密机械有限公司温室气体 2021 年度排放报告书 (版本: A1)。	
证书发布时间	2025 年 4 月 25 日	



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0084

第 2 页 共 2 页

本证书及附件应同时使用, 信息查验说明见证书页

核查目的

本次核查工作旨在通过客观的证据, 对相关信息提供独立的评价, 包括:

- 温室气体报告中的信息是否符合相关性、完整性、一致性、准确性、透明性的原则;
- 所报告的数据结果是否存在实质性的错误和遗漏;
- 是否满足预定的保证等级。

核查准则

本次核查工作的准则为 ISO14064-1: 2018 和 ISO14064-3: 2019。

保证等级

本次核查的保证等级经双方事先确认为合理保证等级。

核查说明

中国质量认证中心的核查陈述是基于自身对于相关温室气体信息风险的理解和所采取的合理风险控制措施而得出的。

为获取我们认为必需的信息和证据, 以保证无锡东元精密机械有限公司 2024 年 1 月 1 日至 2024 年 12 月 31 日的温室气体报告达到合理保证等级, 中国质量认证中心制定了核查计划, 并履行了该计划。中国质量认证中心采纳的核查证据包括对组织报告的温室气体排放量和相关信息在抽样的基础之上得到的发现。

本核查陈述应当和无锡东元精密机械有限公司 2024 年度温室气体报告同时提供给目标用户。



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

No.GHG-INV-12-2025-0123

本核查陈述针对:

This is to verify that:

无锡东精电微电机有限公司

Wuxi Teco Electro Devices Co., Ltd.

地址: 江苏省无锡国家高新技术产业开发区 65-C 号地块

Add: Block65-C, State High & New Technology Industry Development Zone, Wuxi City,
Jiangsu Province, P.R.China

中国质量认证中心根据相关核查程序发布本核查陈述。

CQC issues a verification statement according to related verification procedures.

中国质量认证中心认为:

CQC here confirms that:

- ◆ **2025 年 4 月 1 日**发布的无锡东精电微电机有限公司 2024 年度温室气体报告 (版本: **B-1 版**) 表明无锡东精电微电机有限公司在 **2024 年 1 月 1 日至 2024 年 12 月 31 日**之间温室气体排放量为 **20,402 吨 CO₂ 当量**, 温室气体清除量为 **0 吨 CO₂ 当量**。

It's asserted in 2024 Wuxi Teco Electro Devices Co., Ltd. Greenhouse Gas Emission Report (Version: **B-1**) published on **Apr. 1st, 2025** that Wuxi Teco Electro Devices Co., Ltd. Greenhouse Gas Emissions were **20,402 tonnes CO₂ Equivalent** and Greenhouse Gas Removal was **0 tonnes CO₂ Equivalent** from **Jan. 1st, 2024 to Dec. 31st, 2024**.

- ◆ 无锡东精电微电机有限公司温室气体排放和清除的量化、监测和报告遵从 **ISO 14064-1:2018** 的相关要求。

The quantification, monitoring and reporting of Wuxi Teco Electro Devices Co., Ltd. Greenhouse Gas emissions and removals comply with the requirement of **ISO 14064-1:2018**.

- ◆ 该声明不存在实质性偏差, 达到了合理保证等级的相关要求。

The assertion has no material errors and reaches the requirements of reasonable level of assurance.

签发
SIGNATURE

谢肇煦



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0123

第 1 页 共 2 页

本证书及附件应同时使用, 信息查验说明见证书页

受无锡东精电微电机有限公司的委托, 中国质量认证中心(CQC)根据 ISO14064-1: 2018 和 ISO14064-3: 2019 对无锡东精电微电机有限公司温室气体排放报告进行了独立的第三方核查。无锡东精电微电机有限公司是一家主要生产伺服电机产品的企业, 位于江苏省无锡国家高新技术产业开发区 65-C 号地块。本次核查的温室气体报告覆盖时间段为 2024 年 1 月 1 日至 2024 年 12 月 31 日, 该报告中的温室气体声明是基于适用的技术文献和无锡东精电微电机有限公司的历史活动数据所做出的。无锡东精电微电机有限公司负责本覆盖时间段内的温室气体信息系统, 包括资料的记录和报告程序的运行。

本次核查服务的范围、目的、准则和保证等级是建立在无锡东精电微电机有限公司和中国质量认证中心达成共识的基础之上:

核查范围

中国质量认证中心对无锡东精电微电机有限公司的温室气体报告以及温室气体信息、监测、量化、相关程序进行核查, 包括组织对于参考文件中信息的合理使用。

组织边界	无锡东精电微电机有限公司 (江苏省无锡国家高新技术产业开发区 65-C 号地块)	
报告边界	无锡东精电微电机有限公司在伺服电机的设计生产和管理过程中产生的直接温室气体排放、能源输入引起的间接温室气体排放、部分交通运输引起的间接温室气体排放、部分组织使用的产品/服务引起的间接温室气体排放和部分组织的产品在使用过程中引起的间接温室气体排放	
温室气体源、汇和库	仅涉及温室气体源, 不涉及温室气体汇和库, 参见 2025 年 4 月 1 日发布的无锡东精电微电机有限公司温室气体 2024 年度排放报告 (版本: B-1 版)	
披露范围内温室气体排放	二氧化碳(CO ₂): 20,393.91 吨 CO ₂ 当量 甲烷(CH ₄): 3.85 吨 CO ₂ 当量 氧化亚氮(N ₂ O): 0.51 吨 CO ₂ 当量 氢氟碳化物(HFCs): 3.39 吨 CO ₂ 当量	直接排放: 20.27 吨 CO ₂ 当量 能源输入引起的间接排放: 273.78 吨 CO ₂ 当量 交通运输引起的间接排放: 164.13 吨 CO ₂ 当量 组织使用的产品/服务引起的间接排放: 1,649.84 吨 CO ₂ 当量 组织的产品在使用过程中引起的间接排放: 18,293.65 吨 CO ₂ 当量
覆盖时间段	2024 年 1 月 1 日至 2024 年 12 月 31 日	
基准年信息	2021 年 1 月 1 日至 2021 年 12 月 31 日为无锡东精电微电机有限公司首次进行温室气体量化和报告的年份, 2021 年 1 月 1 日至 2021 年 12 月 31 日为无锡东精电微电机有限公司温室气体排放量化和报告的基准年, 基准年排放状况见 2022 年 8 月 4 日发布的无锡东精电微电机有限公司 2021 年度温室气体盘查报告(版本: A-1)。	
证书发布时间	2025 年 5 月 9 日	



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0123

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本证书及附件应同时使用, 信息查验说明见证书页

核查目的

本次核查工作旨在通过客观的证据, 对相关信息提供独立的评价, 包括:

- 温室气体报告中的信息是否符合相关性、完整性、一致性、准确性、透明性的原则;
- 所报告的数据结果是否存在实质性的错误和遗漏;
- 是否满足预定的保证等级。

核查准则

本次核查工作的准则为 ISO14064-1: 2018 和 ISO14064-3: 2019。

保证等级

本次核查的保证等级经双方事先确认为合理保证等级。

核查说明

中国质量认证中心的核查陈述是基于自身对于相关温室气体信息风险的理解和所采取的合理风险控制措施而得出的。

为获取我们认为必需的信息和证据, 以保证无锡东精电微电机有限公司 2024 年 1 月 1 日至 2024 年 12 月 31 日的温室气体报告达到合理保证等级, 中国质量认证中心制定了核查计划, 并履行了该计划。中国质量认证中心采纳的核查证据包括对组织报告的温室气体排放量和相关信息在抽样的基础之上得到的发现。

本核查陈述应当和无锡东精电微电机有限公司 2024 年度温室气体报告同时提供给目标用户。



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

No.GHG-INV-12-2025-0128

本核查陈述针对:

This is to verify that:

东元(越南)电机责任有限公司平阳分公司

Teco (Vietnam) Electric & Machinery Co., Ltd. Binh Duong Branch

地址: 越南平阳省槟吉市世和坊美福三工业区 A_7B 批

Add: Lot A_7B, My Phuoc 3 Industrial Zone, Thoi Hoa Ward, Ben Cat Town, Binh Duong Province, Vietnam

中国质量认证中心根据相关核查程序发布本核查陈述。

CQC issues a verification statement according to related verification procedures.

中国质量认证中心认为:

CQC here confirms that:

- ◆ 2025 年 4 月 1 日发布的东元(越南)电机责任有限公司平阳分公司 2024 年度温室气体报告 (版本: **A3**) 表明东元(越南)电机责任有限公司平阳分公司在 2024 年 1 月 1 日至 2024 年 12 月 31 日之间温室气体排放量为 **1,411,963** 吨 CO₂ 当量, 温室气体清除量为 **0** 吨 CO₂ 当量。
It's asserted in 2024 Teco (Vietnam) Electric & Machinery Co., Ltd Binh Duong Branch Greenhouse Gas Emission Report (Version: **A3**) published on **Apr. 1st, 2025** that Teco (Vietnam) Electric & Machinery Co., Ltd Binh Duong Branch Greenhouse Gas Emissions were **1,411,963** tonnes CO₂ Equivalent and Greenhouse Gas Removal was **0** tonnes CO₂ Equivalent from **Jan. 1st, 2024** to **Dec. 31st, 2024**.
- ◆ 东元(越南)电机责任有限公司平阳分公司温室气体排放和清除的量化、监测和报告遵从 **ISO 14064-1:2018** 的相关要求。
The quantification, monitoring and reporting of Teco (Vietnam) Electric & Machinery Co., Ltd Binh Duong Branch Greenhouse Gas emissions and removals comply with the requirement of **ISO 14064-1:2018**.
- ◆ 该声明不存在实质性偏差, 达到了合理保证等级的相关要求。
The assertion has no material errors and reaches the requirements of reasonable level of assurance.

签发
SIGNATURE

谢肇煦



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0128

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本证书及附件应同时使用, 信息查验说明见证书页

受东元(越南)电机责任有限公司平阳分公司的委托, 中国质量认证中心(CQC)根据 ISO14064-1: 2018 和 ISO14064-3: 2019 对东元(越南)电机责任有限公司平阳分公司温室气体排放报告进行了独立的第三方核查。东元(越南)电机责任有限公司平阳分公司是一家主要生产电机产品的企业, 位于中国越南平阳省槟吉市世和坊美福三工业区 A_7B 批。本次核查的温室气体报告覆盖时间段为 2024 年 1 月 1 日至 2024 年 12 月 31 日, 该报告中的温室气体声明是基于适用的技术文献和东元(越南)电机责任有限公司平阳分公司的历史活动数据所做出的。东元(越南)电机责任有限公司平阳分公司负责本覆盖时间段内的温室气体信息系统, 包括资料的记录和报告程序的运行。

本次核查服务的范围、目的、准则和保证等级是建立在东元(越南)电机责任有限公司平阳分公司和中国质量认证中心达成共识的基础之上:

核查范围

中国质量认证中心对东元(越南)电机责任有限公司平阳分公司的温室气体报告以及温室气体信息、监测、量化、相关程序进行核查, 包括组织对于参考文件中信息的合理使用。

组织边界	东元(越南)电机责任有限公司平阳分公司 (越南平阳省槟吉市世和坊美福三工业区 A_7B 批)	
报告边界	东元(越南)电机责任有限公司平阳分公司在电机产品的生产与管理过程中产生的直接温室气体排放、能源输入引起的间接温室气体排放、部分交通运输引起的间接温室气体排放、部分组织使用的产品/服务引起的间接温室气体排放和部分组织的产品在使用过程中引起的间接温室气体排放	
温室气体源、汇和库	仅涉及温室气体源, 不涉及温室气体汇和库, 参见 2025 年 4 月 1 日发布的东元(越南)电机责任有限公司平阳分公司温室气体 2024 年度排放报告 (版本: A3)	
披露范围内温室气体排放	二氧化碳(CO ₂): 1,411,943.63 吨 CO ₂ 当量 甲烷(CH ₄): 9.05 吨 CO ₂ 当量 氧化亚氮(N ₂ O): 4.67 吨 CO ₂ 当量 氢氟碳化物(HFCs): 6.09 吨 CO ₂ 当量	直接排放: 128.98 吨 CO ₂ 当量 能源输入引起的间接排放: 1,595.07 吨 CO ₂ 当量 交通运输引起的间接排放: 3,086.91 吨 CO ₂ 当量 组织使用的产品/服务引起的间接排放: 2,002.18 吨 CO ₂ 当量 组织的产品在使用过程中引起的间接排放: 1,405,150.30 吨 CO ₂ 当量
覆盖时间段	2024 年 1 月 1 日至 2024 年 12 月 31 日	
基准年信息	2022 年 1 月 1 日至 2022 年 12 月 31 日为东元(越南)电机责任有限公司平阳分公司首次进行温室气体量化和报告的年份, 2022 年 1 月 1 日至 2022 年 12 月 31 日为东元(越南)电机责任有限公司平阳分公司温室气体量化和报告的基准年, 基准年排放状况见 2022 年 03 月 10 日发布的东元(越南)电机责任有限公司平阳分公司 2022 年度温室气体排放报告书 (版本: A2)。	
证书发布时间	2025 年 5 月 9 日	



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0128

第 2 页 共 2 页

本证书及附件应同时使用, 信息查验说明见证书页

核查目的

本次核查工作旨在通过客观的证据, 对相关信息提供独立的评价, 包括:

- 温室气体报告中的信息是否符合相关性、完整性、一致性、准确性、透明性的原则;
- 所报告的数据结果是否存在实质性的错误和遗漏;
- 是否满足预定的保证等级。

核查准则

本次核查工作的准则为 ISO14064-1: 2018 和 ISO14064-3: 2019。

保证等级

本次核查的保证等级经双方事先确认为合理保证等级。

核查说明

中国质量认证中心的核查陈述是基于自身对于相关温室气体信息风险的理解和所采取的合理风险控制措施而得出的。

为获取我们认为必需的信息和证据, 以保证东元(越南)电机责任有限公司平阳分公司 2024 年 1 月 1 日至 2024 年 12 月 31 日的温室气体报告达到合理保证等级, 中国质量认证中心制定了核查计划, 并履行了该计划。中国质量认证中心采纳的核查证据包括对组织报告的温室气体排放量和相关信息在抽样的基础之上得到的发现。

本核查陈述应当和东元(越南)电机责任有限公司平阳分公司 2024 年度温室气体报告同时提供给目标用户。



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

No.GHG-INV-12-2025-0133

本核查陈述针对:

This is to verify that:

无锡东元电机有限公司

WUXI TECO Electric & Machinery Co.,Ltd

地址: 江苏省无锡市新区长江南路 9 号

Add: No.9 Changjiang South Road, New District, Wuxi City, Jiangsu Province, P.R.China

中国质量认证中心根据相关核查程序发布本核查陈述。

CQC issues a verification statement according to related verification procedures.

中国质量认证中心认为:

CQC here confirms that:

- ◆ 2025 年 4 月 1 日发布的无锡东元电机有限公司 2024 年度温室气体报告 (版本: **B-1**) 表明无锡东元电机有限公司在 **2024 年 1 月 1 日至 2024 年 12 月 31 日** 之间温室气体排放量为 **3,907,858 吨 CO₂ 当量**, 温室气体清除量为 **0 吨 CO₂ 当量**。
It's asserted in 2024 WUXI TECO Electric & Machinery Co.,Ltd Greenhouse Gas Emission Report (Version: **B-1**) published on **Apr. 1st, 2025** that WUXI TECO Electric & Machinery Co.,Ltd Greenhouse Gas Emissions were **3,907,858 tonnes CO₂ Equivalent** and Greenhouse Gas Removal was **0 tonnes CO₂ Equivalent** from **Jan. 1st, 2024 to Dec. 31st, 2024**.
- ◆ 无锡东元电机有限公司温室气体排放和清除的量化、监测和报告遵从 **ISO 14064-1:2018** 的相关要求。
The quantification, monitoring and reporting of WUXI TECO Electric & Machinery Co.,Ltd Greenhouse Gas emissions and removals comply with the requirement of **ISO 14064-1:2018**.
- ◆ 该声明不存在实质性偏差, 达到了合理保证等级的相关要求。
The assertion has no material errors and reaches the requirements of reasonable level of assurance.

签发
SIGNATURE

谢肇煦



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0133

第 1 页 共 2 页

本证书及附件应同时使用, 信息查验说明见证书页

受无锡东元电机有限公司的委托, 中国质量认证中心(CQC)根据 ISO14064-1: 2018 和 ISO14064-3: 2019 对无锡东元电机有限公司温室气体排放报告进行了独立的第三方核查。无锡东元电机有限公司是一家主要生产三相电机、永磁电动机、减速机产品的企业, 位于江苏省无锡市新区长江南路 9 号。本次核查的温室气体报告覆盖时间段为 2024 年 1 月 1 日至 2024 年 12 月 31 日, 该报告中的温室气体声明是基于适用的技术文献和无锡东元电机有限公司的历史活动数据所做出的。无锡东元电机有限公司负责本覆盖时间段内的温室气体信息系统, 包括资料的记录和报告程序的运行。

本次核查服务的范围、目的、准则和保证等级是建立在无锡东元电机有限公司和中国质量认证中心达成共识的基础上:

核查范围

中国质量认证中心对无锡东元电机有限公司的温室气体报告以及温室气体信息、监测、量化、相关程序进行核查, 包括组织对于参考文件中信息的合理使用。

组织边界	无锡东元电机有限公司 (江苏省无锡市新区长江南路 9 号)	
报告边界	无锡东元电机有限公司在三相电机、永磁电动机、减速机的设计生产和管理过程中产生的直接温室气体排放、能源输入引起的间接温室气体排放、部分交通运输引起的间接温室气体排放、部分组织使用的产品/服务引起的间接温室气体排放和部分组织的产品在使用过程中引起的间接温室气体排放	
温室气体源、汇和库	仅涉及温室气体源, 不涉及温室气体汇和库, 参见 2025 年 4 月 1 日发布的无锡东元电机有限公司温室气体 2024 年度排放报告 (版本: B-1)	
披露范围内温室气体排放	二氧化碳 (CO ₂): 3,907,772.99 吨 CO ₂ 当量 甲烷(CH ₄): 26.16 吨 CO ₂ 当量 氧化亚氮(N ₂ O): 1.31 吨 CO ₂ 当量 氢氟碳化物 (HFCs): 57.46 吨 CO ₂ 当量	直接排放: 626.74 吨 CO ₂ 当量 能源输入引起的间接排放: 7,650.30 吨 CO ₂ 当量 交通运输引起的间接排放: 1,189.50 吨 CO ₂ 当量 组织使用的产品/服务引起的间接排放: 7,410.70 吨 CO ₂ 当量 组织的产品在使用过程中引起的间接排放: 3,890,980.67 吨 CO ₂ 当量
覆盖时间段	2024 年 1 月 1 日至 2024 年 12 月 31 日	
基准年信息	2021 年 1 月 1 日至 2021 年 12 月 31 日为无锡东元电机有限公司首次进行温室气体量化和报告的年份, 2021 年 1 月 1 日至 2021 年 12 月 31 日为无锡东元电机有限公司温室气体排放量化和报告的基准年, 基准年排放状况见 2022 年 6 月 10 日发布的无锡东元电机有限公司 2021 年度温室气体盘查报告(版本: A-1)。	
证书发布时间	2025 年 5 月 13 日	



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0133

第 2 页 共 2 页

本证书及附件应同时使用, 信息查验说明见证书页

核查目的

本次核查工作旨在通过客观的证据, 对相关信息提供独立的评价, 包括:

- 温室气体报告中的信息是否符合相关性、完整性、一致性、准确性、透明性的原则;
- 所报告的数据结果是否存在实质性的错误和遗漏;
- 是否满足预定的保证等级。

核查准则

本次核查工作的准则为 ISO14064-1: 2018 和 ISO14064-3: 2019。

保证等级

本次核查的保证等级经双方事先确认为合理保证等级。

核查说明

中国质量认证中心的核查陈述是基于自身对于相关温室气体信息风险的理解和所采取的合理风险控制措施而得出的。

为获取我们认为必需的信息和证据, 以保证无锡东元电机有限公司 2024 年 1 月 1 日至 2024 年 12 月 31 日的温室气体报告达到合理保证等级, 中国质量认证中心制定了核查计划, 并履行了该计划。中国质量认证中心采纳的核查证据包括对组织报告的温室气体排放量和相关信息在抽样的基础之上得到的发现。

本核查陈述应当和无锡东元电机有限公司 2024 年度温室气体报告同时提供给目标用户。



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



TECO-WESTINGHOUSE MOTORS (CANADA) INC.

Address: 18060 109 Avenue, Edmonton, AB T5S 2K2, Canada.

The Greenhouse Gas Emissions Inventory for the **year 2024** has been verified in accordance with the requirements of the

ISO 14064-1:2018

For the following activities:

"Warehousing of Electric Motors and Controls products".

Total GHG Emissions:

Scope 1: 279.870 tons of CO₂ equivalent

Scope 2 – location-based approach: 0.000 tons of CO₂ equivalent

Scope 2 – market-based approach: 86.880 tons of CO₂ equivalent

Scope 3: 0.00 tons of CO₂ equivalent

Separately, 20.700 metric tonnes of CO₂ equivalent of Biogenic emission (Ethanol E85)

Total GHG Emissions 366.740 tons of CO₂ equivalent

Lead Auditor: Bright Kumordzi



Authorized by

Fabio Sianga

SGS do Brasil Ltda

Av. Piracema 1341 – Galpão Horizon - CEP 06460-030, Barueri/SP, Brasil

t +55 11 2664-9595 - www.sgsgroup.com.br



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SGS was hired by TECO-WESTINGHOUSE MOTORS (CANADA) INC. (here called "client"), located at 18060 109 Avenue, Edmonton, AB T5S 2K2, Canada, for the verification of the direct and indirect GHG emissions from agreement with the

ISO 14064-3:2019

As provided in the GHG statement in form of the inventory documented covering the Emissions of GHG of the period of 01/01/2024 to 12/31/2024.

Roles and Responsibilities

The client is responsible for the organization's GHG information system, development and maintenance of records and reporting procedures under that system, including the calculation and determination of emissions of GHG and the report of the emissions of GHG.

It is the responsibility of SGS to express an independent verification opinion of the GHG emissions as provided in the GHG statement.

SGS conducted a Third-Party verification of the GHG statement provided against the principles of ISO 14064-1:2018 and ISO 14064-3:2019 in the period of 01/01/2024 to 12/31/2024. The verification was based on the scope of verification, objectives and criteria as agreed between the client and SGS the 11/29/2024.

Level of assurance

Verification with reasonable level of assurance.

Scope

The client requested independent verification by SGS North America Inc of its GHG statement to establish compliance with the principles of ISO 14064 within the scope of verification as indicated below.

The data and information supporting the GHG statement have been calculated based in monitored and historical data.

This commitment includes verification of emissions from anthropogenic sources of greenhouse gases included in organizational limits and is based on ISO 14064-3:2019.

- The organizational boundary was established following the operational control.
- Title or description of activities: Warehousing of Electric Motors and Controls products.
- Location/boundaries of activities: Office and warehouse operations at Cambridge (Ontario Office only), Cambridge/Ontario (Warehouse), Edmonton/Alberta, Lachine, Quebec (Warehouse/Office). Facilities at 18060 109 Avenue, Edmonton, AB T5S 2K2, Canada and 2130 32e Avenue, Lachine, QC H8T 3H7, Canada.
- Infrastructure physics, activities, technologies, and processes of organization: Office and warehouse for Warehousing of Electric Motors and Controls products.
- GHG sources, sinks and/or reservoir included: this inventory includes GHG emissions Scope 1 and Scope 2 as follows:
 - Scope 1:** Direct GHG emissions: Stationary combustion, mobile combustion and fugitive emissions.
 - Scope 2:** Indirect GHG emissions of energy: Purchased electricity.



- Type of GHG Considered: CO₂, CH₄, N₂O, and CO₂e. The inventory does not include GHG emissions from HFCs, PFCs, NF₃, and SF₆.
- The information from GHG for the period: 01/01/2024 to 12/31/2024.
- GHG Verification Statement users: TECO-WESTINGHOUSE MOTORS (CANADA) INC. and General Public.

Objective

The verification objective is to review objective evidence, and an independent review to determine:

- Whether GHG emissions are as stated by the organization's GHG statement.
- Whether the reported data is correct, complete, consistent, transparent, and free of errors or omissions.

Criteria

Criteria according to which the verification was carried out are the requirements of the ISO 14064:2018.

Materiality

The materiality required for verification was considered by SGS as 10%, according to the need for the GHG statement.

Conclusion

The client provided the GHG statement based on requirements of ISO14064-1:2018. GHG information for the period 01/01/2024 to 12/31/2024, containing the emissions presented below has been verified by SGS to a reasonable level of assurance, consistent with the agreed verification scope, objectives and criteria.

Total emissions Verified across the organization:

Scope 1: 279.870 tons of CO₂ equivalent

Scope 2 – location-based approach: 0.000 tons of CO₂ equivalent

Scope 2 – market-based approach: 86.880 tons of CO₂ equivalent

Scope 3: 0.000 tons of CO₂ equivalent

Separately, 20.700 metric tonnes of CO₂ equivalent of Biogenic emission (Ethanol E85)

Total GHG Emissions 366.740 tons of CO₂ equivalent

SGS's approach is based on an understanding of the risks associated with reporting GHG emissions and the controls to mitigate them. Our analysis included the assessment of relevant evidence, based on tests, relating to the quantities and information of GHG emissions reported by the organization.

We have performed our verification work to obtain the information, explanations and evidence considered necessary to obtain a limited level of assurance that the GHG emissions for the period of 01/01/2024 to 12/31/2024 are fairly stated.

We conducted our verification in accordance with the client's GHG statement including verification of the GHG information system, monitoring and reporting. This verification included that the provisions of the reference protocol were consistently and appropriately applied.



In SGS's opinion, the GHG statement presented:

- Is materially correct and is a fair representation of the GHG data and information, and
- Has been prepared in accordance with ISO14064-1:2018 on GHG quantification, monitoring and reporting.

This GHG Verification Statement shall be interpreted together with the client's GHG statement.

Note: This Verification Statement is issued on behalf of the client by SGS do Brasil LTDA ("SGS") in accordance with its General Conditions for Verification of Greenhouse Gases available at http://www.sgs.com/terms_and_conditions.htm. The results recorded are based on the audit performed by SGS. A full copy of this Verification Statement, the results and the supporting GHG statement can be obtained from the client. This Verification Statement does not relieve the client from compliance with any federal, national or regional statutes and regulations or any directive issued under such regulations. Definitions to the contrary are not binding on SGS and SGS shall have no liability vis-à-vis its client beyond



Greenhouse Gas Verification Opinion

The inventory of Greenhouse Gas emissions in year 2024 of
**TECO ELECTRIC & MACHINERY
PTE LTD**

47 Tuas Avenue 9, Singapore 639190



has been verified in accordance with ISO 14064-3:2019 as
meeting the requirements of

ISO 14064-1:2018

Direct emissions
439.38 tonnes of CO₂e
Indirect emissions
388.93 tonnes of CO₂e
Direct emissions and indirect emissions
828.31 tonnes of CO₂e

Authorized by

A handwritten signature in black ink, appearing to read 'Susan Law'.

Susan Law

SEAP Regional Manager

Date: 21 March 2025

Version 2



SGS International Certification Services Singapore Pte Ltd
30, Boon Lay Way
#03-01, Singapore 609957

The emission of each category is described as below:

Unit: tonnes of CO₂e

Reporting Boundaries			GHG Emissions
Inventory categories		Description	
Direct emissions		Direct emissions from stationary combustion	NIL
		Direct emissions from mobile combustion	315.51
		Direct process emissions and removals from industrial processes	0.37
		Direct fugitive emissions arise from the release of GHGs in anthropogenic systems	123.50
		Direct emissions and removals from land use, land use change and forestry	NIL
Indirect emissions	Imported energy	Purchased Electricity	388.93
Direct emissions and indirect emissions			828.31
Direct emission- Biogenic emissions			42.11

The emission of each site is described as below:

Site	Direct emissions	Indirect emissions	Total GHG emissions
	Category 1	Category 2	
Teco Electric & Machinery Pte Ltd (HQ)	66.83	33.53	100.36
Teco Electric & Machinery Sdn Bhd (TEKM)	81.54	99.29	180.83
PT. Teco Multiguna Elektro (TEKI)	266.10	184.37	450.47
Teco Electric & Machinery (Thai) Co.,Ltd. (TEKT)	22.65	70.00	92.65
TECO Industrial System Pvt Ltd (TEKH)	2.26	1.73	3.98

SGS has been contracted by Teco Electric & Machinery Pte Ltd (hereinafter referred to as “TEKG”), 47 Tuas Avenue 9, Singapore 639190 for the verification of direct and indirect Greenhouse Gas emissions in accordance with

ISO 14064-3:2019

as provided by Teco Electric & Machinery Pte Ltd (hereinafter referred to as “TEKG”), 47 Tuas Avenue 9, Singapore 639190, in the GHG statement in the form of GHG report covering GHG emissions of the period 01 January 2024 to 31 December 2024.

Roles and responsibilities

- The management of TEKG is responsible for the organization’s GHG information system, the development and maintenance of records and reporting procedures in accordance with that system, including the calculation and determination of GHG emissions information and the reported GHG emissions.
- The verification was based on the verification scope, objectives and criteria as agreed between MAPP and SGS on 18 December 2024.
- Verification Criteria: ISO 14064-1:2018 (SAC Accreditation)
- Verification Period: 22 January 2025 to 7 March 2025

This verification opinion supersedes the initial verification opinion issued on 13 March 2025.

Scope

TEKG has commissioned an independent verification by SGS of reported GHG emissions of TEKG arising from assembly and sales of motors, to establish conformance with ISO 14064-1:2018 principles within the scope of the verification as outlined below.

This engagement covers verification of emission from anthropogenic sources of greenhouse gases included within the organization’s boundary and is based on ISO 14064-3:2019.

- The organizational boundary was established following operational control approach.
- Title or description activities: GHG verification for TEKG in year 2024
- Location/boundary of the activities:
 - 47 Tuas Avenue 9, Singapore 639190
 - PLO 52, Jalan Firma 2/1, Kawasan Perindustrian Tebrau 1, 81100 Johor Bahru, Johor. Malaysia
 - 10, Jalan BP 4/4, Bandar Bukit Puchong, 47120 Puchong, Selangor. Malaysia
 - Jl. Bandengan Utara No. 83/1-4, Jakarta 14440, Indonesia

- Jl. Mayor Oking KM 2,7 Gunung Putri Citeureup 16961, Bogor, Indonesia
- Jl. Berbek Industri II No. 21 Sidoarjo 60293, Jawa Timur, Indonesia
- 128/1 M.7 Bangna-Trad RD, KM.18, Bangchalong, Bangplee, Samuthprakarn 10540, Thailand
- No. 351 F.I.E. Patparganj Industrial Area, Delhi 110092, India
- Physical infrastructure, activities, technologies and processes of the organization: Assembly and sales of motors
- GHG sources, sinks and/or reservoirs included: Sources as presented in the inventory spreadsheet provided by TEKG
- Types of GHGs included: CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, and NF₃. CO₂ emissions due to biomass combustion are reported separately.
- The IPCC 2021 AR6 GWP values are applied in this inventory for Category 1 emissions.
- Electricity emission factor:
 - Direct emission: 2006 IPCC Guidelines for National Greenhouse Gas Inventories Volume 2, Chapter 2 and 3 and 2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories Volume 5, Chapter 6
 - Indirect emission:
 - 0.412 kgCO₂e/kWh - SG
(Announced by Energy Market Authority, Singapore in 2024)
 - 0.774 kgCO₂e/kWh - MY
(Announced by Suruhanjaya Tenaga (The Energy Commission), Malaysia in 2024)
 - 0.783 kgCO₂e/kWh - ID
(Announced by The IFI Dataset version by UNFCCC in 2022)
 - 0.399 kgCO₂e/kWh - TH
(Announced by Energy Policy and Planning Office of Thailand in 2024)
 - 0.727 kgCO₂e/kWh - IN
(Announced by Central Electricity Authority, India in 2024)
- GHG information for the following period was verified: 01 January 2024 to 31 December 2024
- Mitigation activities: During reporting period 2024, TEKG has implemented the following GHG mitigation activities:
 - TEKS and TEKM (Jalan Firma Factory) have installed solar panels to reduce emissions from purchased electricity.
- GHG emission reduction targets: None. TEKG is currently conducting a feasibility study and plan to establish quantitative targets in 2025.
- The level of assurance for Category 1 and Category 2 agreed is that of limited assurance.

- Materiality : 10 %
- GHG information for the following period was verified: 01 January 2024 to 31 December 2024
- The version of inventory sheet: TEKG 2024 Greenhouse Gas Inventory List-10 Mar 2025.xlsx
 - 1 TEKI-NEW FILE 2024 TEKI REVISION AFTER AUDIT STAGE2 07.03.25 GHG Emissions statistics 溫室氣體盤查統計表(TEKG).xlsx
 - 2 TEKT-2024 GHG Emissions statistics 溫室氣體盤查統計表(TEKT) 5 Mar 2025_UPDATE_R3.xlsx
 - 3 TEKS-新加坡溫盤統計(含分駐 12 月 _TEKS -(R4)_14.02.2025.xlsx
 - 4 TEKM-2024 年 馬來西亞(TEKM)溫室氣體盤查統計表(中英文) 14 Feb 2025
 - 5 TEKH-14 Feb 2025 TEKH 2024 GHG Emissions statistics.xlsx
- The version of GHG statement: TEKG 2024 Greenhouse Gas Report-10 Mar 2025.docx
- Intended user of the verification opinion: Buyers/Customers, Public, and Employees.

Objective

The purposes of this verification exercise are, by review of objective evidence, to independently review:

- Whether the GHG emissions are as declared by the organization's GHG statement
- The data reported are accurate, complete, consistent, transparent and free of material error or omission.

Conclusion

SGS's approach is risk-based, drawing on an understanding of the risks associated with reporting GHG emissions information and the controls in place to mitigate these. Our examination includes assessment, on a test basis, of evidence relevant to the amounts and disclosures in relation to the organization's reported GHG emissions. We planned and performed our work to obtain the information, explanations and evidence that the GHG emissions are free from material misstatement.

- The greenhouse gas emissions is 828.31 metric tonnes of CO₂ equivalent
- The emissions from the combustion of biomass is 42.11 metric tonnes of CO₂ equivalent

The emission of each category is described as below:

Unit: tonnes of CO₂e

Reporting Boundaries			GHG Emissions
Inventory categories		Description	
Direct emissions		Direct emissions from stationary combustion	NIL
		Direct emissions from mobile combustion	315.51
		Direct process emissions and removals from industrial processes	0.37
		Direct fugitive emissions arise from the release of GHGs in anthropogenic systems	123.50
		Direct emissions and removals from land use, land use change and forestry	NIL
Indirect emissions	Imported energy	Purchased Electricity	388.93
Direct emissions and indirect emissions			828.31
Direct emission- Biogenic emissions			42.11

The emission of each site is described as below:

Site	Direct emissions	Indirect emissions	Total GHG emissions
	Category 1	Category 2	
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Teco Electric & Machinery (Thai) Co.,Ltd. (TEKT)	22.65	70.00	92.65
TECO Industrial System Pvt Ltd (TEKH)	2.26	1.73	3.98

The opinion of SGS is unmodified in accordance with the following described circumstances.

- The verifier has sufficient and appropriate evidence to support the material emissions, removals, or storage.
- The verifier applies appropriate criteria for the material emissions, removals, or storage.

- When the verifier intends to rely on relevant controls, the effectiveness of those controls has been assessed.
- The verifier applies the ISO 14064-1:2018 standard to fairly present greenhouse gas data and information, and SGS obtains appropriate supporting evidence for material emissions and removals.

Confidentiality

The reports and attachments may contain relevantly confidential information of the clients. In addition to being submitted as governmental application or certification documents, the reports and attachments are not allowed to be edited, duplicated, or published without the clients' agreement in written form.

Avoidance of Conflict of Interest

The reports and attachments are completely complied with the standards and procedures that related authorities established. The reports and attachments of auditing process are conducted with fairness and honesty. If not, the auditing institution not only has to bear the relevant compensation duties, but also to receive legal charge and punishment.

This opinion shall be interpreted with the GHG statement of TEKG as a whole.

Verifier Group

Above opinions coincide with verification process with fairness and impartiality and aim at the emission of year 2024 of clients.

Lead Verifier:



Note: This opinion is issued, on behalf of Client, by SGS International Certification Services Pte Ltd. ("SGS") under its General Conditions for Green Gas Verification Services available at http://www.sgs.com/terms_and_conditions.htm. The findings recorded hereon are based upon an audit performed by SGS. A full copy of this opinion, the findings and the supporting GHG Assertion may be consulted at Teco Electric & Machinery Pte Ltd (TEKG), 47 Tuas Avenue 9, Singapore 639190. This opinion does not relieve Client from compliance with any bylaws, federal, national or regional acts and regulations or with any guidelines issued pursuant to such regulations. Stipulations to the contrary are not binding on SGS and SGS shall have no responsibility vis-à-vis parties other than its Client.

温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

No.GHG-INV-12-2025-0015

本核查陈述针对:

This is to verify that:

上海东元德高电机有限公司

Shanghai TECO Electric Machinery Co., Ltd.

地址: 上海市长宁区友乐路 299 号 T2 栋 507 室等

Add: Room 507, Building 2, Aspire, No.299 Youle Road, Changning District, Shanghai City, P.R.China; etc.

中国质量认证中心根据相关核查程序发布本核查陈述。

CQC issues a verification statement according to related verification procedures.

中国质量认证中心认为:

CQC here confirms that:

- ◆ 2025 年 2 月 17 日发布的上海东元德高电机有限公司 2024 年度温室气体报告 (版本: 1.0) 表明上海东元德高电机有限公司在 2024 年 1 月 1 日至 2024 年 12 月 31 日之间温室气体排放量为 298 吨 CO₂ 当量, 温室气体清除量为 0 吨 CO₂ 当量。

It's asserted in 2024 Shanghai TECO Electric Machinery Co., Ltd. Greenhouse Gas Emission Report (Version: 1.0) published on Feb. 17th, 2025 that Shanghai TECO Electric Machinery Co., Ltd. Greenhouse Gas Emissions were 298 tonnes CO₂ Equivalent and Greenhouse Gas Removal was 0 tonnes CO₂ Equivalent from Jan. 1st, 2024 to Dec. 31st, 2024.

- ◆ 上海东元德高电机有限公司温室气体排放和清除的量化、监测和报告遵从 ISO 14064-1:2018 的相关要求。

The quantification, monitoring and reporting of Shanghai TECO Electric Machinery Co., Ltd. Greenhouse Gas emissions and removals comply with the requirement of ISO 14064-1:2018.

- ◆ 该声明不存在实质性偏差, 达到了合理保证等级的相关要求。

The assertion has no material errors and reaches the requirements of reasonable level of assurance.

签发
SIGNATURE

谢肇煦



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0015

第 1 页 共 3 页

本证书及附件应同时使用, 信息查验说明见证书页

受上海东元德高电机有限公司的委托, 中国质量认证中心(CQC)根据 ISO14064-1: 2018 和 ISO14064-3: 2019 对上海东元德高电机有限公司温室气体排放报告进行了独立的第三方核查。上海东元德高电机有限公司是一家主要经营机械电气设备销售等业务的企业, 位于上海市长宁区友乐路 299 号 T2 栋 507 室等 (组织边界详情见附件 1)。本次核查的温室气体报告覆盖时间段为 2024 年 1 月 1 日至 2024 年 12 月 31 日, 该报告中的温室气体声明是基于适用的技术文献和上海东元德高电机有限公司的历史活动数据所做出的。上海东元德高电机有限公司负责本覆盖时间段内的温室气体信息系统, 包括资料的记录和报告程序的运行。

本次核查服务的范围、目的、准则和保证等级是建立在上海东元德高电机有限公司和中国质量认证中心达成共识的基础之上:

核查范围

中国质量认证中心对上海东元德高电机有限公司的温室气体报告以及温室气体信息、监测、量化、相关程序进行核查, 包括组织对于参考文件中信息的合理使用。

组织边界	上海东元德高电机有限公司 (上海市长宁区友乐路 299 号 T2 栋 507 室等, 组织边界详情见附件 1)	
报告边界	上海东元德高电机有限公司在机械电气设备销售等业务的经营与管理过程中产生的直接温室气体排放、能源输入引起的间接温室气体排放、部分交通运输引起的间接温室气体排放和部分组织使用的产品/服务引起的间接温室气体排放	
温室气体源、汇和库	仅涉及温室气体源, 不涉及温室气体汇和库, 参见 2025 年 2 月 17 日发布的上海东元德高电机有限公司温室气体 2024 年度排放报告 (版本: 1.0)	
披露范围内温室气体排放	二氧化碳(CO ₂): 293.31 吨 CO ₂ 当量 甲烷(CH ₄): 4.60 吨 CO ₂ 当量 氧化亚氮(N ₂ O): 0.18 吨 CO ₂ 当量	直接排放: 4.85 吨 CO ₂ 当量 能源输入引起的间接排放: 64.39 吨 CO ₂ 当量 交通运输引起的间接排放: 224.44 吨 CO ₂ 当量 组织使用的产品/服务引起的间接排放: 4.41 吨 CO ₂ 当量
覆盖时间段	2024 年 1 月 1 日至 2024 年 12 月 31 日	
基准年信息	2024 年 1 月 1 日至 2024 年 12 月 31 日为上海东元德高电机有限公司首次进行温室气体量化和报告的年份, 2024 年 1 月 1 日至 2024 年 12 月 31 日为上海东元德高电机有限公司温室气体排放量化和报告的基准年。	
证书发布时间	2025 年 3 月 10 日	



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0015

第 2 页 共 3 页

本证书及附件应同时使用, 信息查验说明见证书页

核查目的

本次核查工作旨在通过客观的证据, 对相关信息提供独立的评价, 包括:

- 温室气体报告中的信息是否符合相关性、完整性、一致性、准确性、透明性的原则;
- 所报告的数据结果是否存在实质性的错误和遗漏;
- 是否满足预定的保证等级。

核查准则

本次核查工作的准则为 ISO14064-1: 2018 和 ISO14064-3: 2019。

保证等级

本次核查的保证等级经双方事先确认为合理保证等级。

核查说明

中国质量认证中心的核查陈述是基于自身对于相关温室气体信息风险的理解和所采取的合理风险控制措施而得出的。

为获取我们认为必需的信息和证据, 以保证上海东元德高电机有限公司 2024 年 1 月 1 日至 2024 年 12 月 31 日的温室气体报告达到合理保证等级, 中国质量认证中心制定了核查计划, 并履行了该计划。中国质量认证中心采纳的核查证据包括对组织报告的温室气体排放量和相关信息在抽样的基础之上得到的发现。

本核查陈述应当和上海东元德高电机有限公司 2024 年度温室气体报告同时提供给目标用户。



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0015

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本证书及附件应同时使用, 信息查验说明见证书页

附件 1 组织边界信息

序号	名称	运营地址
1	上海办公室	上海市长宁区友乐路 299 号T2 栋 507 室 Room 507, Building 2, Aspire, No.299 Youle Road, Changning District, Shanghai City, P.R.China
2	无锡办公室 1	江苏省无锡市新区长江南路 9 号 No.9 South Changjiang Road, New District, Wuxi City, Jiangsu Province, P.R.China
3	无锡办公室 2	江苏省无锡市新区高浪东路 29 号 No.29 East Gaolang Road, Xinwu District, Wuxi City, Jiangsu Province, P.R.China
4	南昌办公室	南昌市高新开发区东元路 189 号 No.189 Dongyuan Road, High-tech Development Zone, Nanchang City, Jiangxi Province, P.R.China
5	东莞办公室	东莞市莞城区莞太大道 120 号金马大厦二楼 201-203 室 Room201-203, No.120, Guantaidadao Road, Guancheng District, Dongguan City, Guangdong Province, P.R.China
6	天津办公室	天津市华苑产业区榕苑路 7 号凯德大厦C座 306 室 Room 306, Block C, Kaide Building, No.7 Rongyuan Road, Huayuan Industrial Zone, Tianjin City, P.R.China
7	厦门办公室	厦门市湖里区火炬东路 11 号创业园伟业楼南区 602 室 Room 602, South Area, Weiye Building, Entrepreneurship Park, No.11 Huoju East Road, Huli District, Xiamen City, Fujian Province, P.R.China



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



財團法人台灣大電力研究試驗中心
溫室氣體查驗意見書



意見書編號：12G0013-20241

茲證明

安欣科技服務股份有限公司

新北市新莊區思源路34號

經本中心依據ISO 14064-3：2019完成查驗並符合下列查證準則

認證依據：ISO 14064-1：2018/CNS 14064-1：2021

查驗範圍：安欣科技服務股份有限公司/國內服務站及資材部

涵蓋期間：2024年1月01日至2024年12月31日

查驗數據：直接溫室氣體排放量	173.8213 公噸二氧化碳當量
間接溫室氣體排放量	283.7256 公噸二氧化碳當量
排放量總計：	457.547 公噸二氧化碳當量

查驗意見：依據本中心查驗執行的過程，發現溫室氣體聲明未違反實質性差異，溫室氣體報告已依ISO 14064-1/CNS 14064-1要求，公正的展現溫室氣體數據及相關資訊，查驗結果符合合理保證等級及查證準則。

簽署人： **曾倩玉**

西元 2025 年 04 月 07日

本查驗意見書須完整版本使用視為有效，且續頁須與首頁一併使用。

若需進一步查詢本查驗意見書之任何資訊，本中心聯絡資訊：財團法人台灣大電力研究試驗中心(桃園市觀音區草漯里榮工南路6-6號)，TEL：03-4839090。(74T-10-0101A)

頁數：第1頁/共4頁

意見書編號： 12G0013-20241



本中心類型及查驗目標：安欣科技服務股份有限公司確保組織溫室氣體系統之程序已符合標準要求，並負責報告溫室氣體聲明/排放量資訊，本中心秉持第三方查證機構角色，依據ISO 14064-1：2018及ISO 14064-3：2019等要求，對其提供之歷史資訊，以客觀查驗之證據蒐集為基礎，執行溫室氣體查驗活動，並提出溫室氣體查驗意見。

詳細查驗範圍：

• 各類別溫室氣體排放量

單位：公噸二氧化碳當量

報告邊界		溫室氣體排放量
直接溫室氣體排放		173.8213
間 接 溫 室 氣 體 排 放	輸入能源溫室氣體排放	237.0038
	運輸溫室氣體排放	-
	組織使用的產品溫室氣體排放	46.7218
	使用組織的產品衍生之溫室氣體排放	-
	其他來源溫室氣體排放	-
排放量總計		457.547

- 排放溫室氣體種類：二氧化碳(CO₂)、甲烷(CH₄)、氧化亞氮(N₂O)、氫氟碳化物(HFCs)、全氟碳化物(PFCs)、三氟化氮(NF₃)及六氟化硫(SF₆)。

- 全球暖化潛勢(GWP)：引用IPCC 2021 評估報告。

- 排放係數來源：

直接溫室氣體排放：環境部溫室氣體排放係數管理表 6.0.4

間接溫室氣體排放：輸入電力引用經濟部能源署 113 年公布之 112 電力排
碳係數 0.494 公斤二氧化碳當量/度計算

本查驗意見書須完整版本使用視為有效，且續頁須與首頁一併使用。

若需進一步查詢本查驗意見書之任何資訊，本中心聯絡資訊：財團法人台灣大電力研究試驗中心(桃園市觀音區草漯里榮工
南路 6-6 號)，TEL：03-4839090。(74T-10-0101A)

頁數：第 2 頁/共 4 頁

意見書編號： 12G0013-20241

- 盤查清冊版本：2025年03月28日 (版次V3)
- 盤查報告版本：2025年04月07日 (版次V4)

實質性差異門檻：

5%，本中心依此為確認溫室氣體揭露資訊之遺漏或錯誤程度。

查驗方法：

本中心以書面審查、赴廠訪談、兩階段查驗等方式，查驗組織範圍內具充分代表性之主要重大排放源，並取得查驗意見需要之資訊及相關佐證，確保溫室氣體排放量之準確性。

查驗小組：

主導查驗員： 

查驗員： 

核發日期： 2025 年 04月 07 日

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頁數：第 3 頁/共 4 頁

安欣科技服務股份有限公司據點及地址清單

項次	服務站名稱	地址
1	IAA 台東服務站	台東市新展街 41 號
2	IAB 花蓮服務站	花蓮市美工路 55 號
3	IAC 宜蘭服務站	宜蘭縣五結鄉五濱路一段 233 號
4	IAD 基隆服務站	基隆市安樂區安一路 311 之 37 號 1 樓
5	IAE 中山服務站	台北市中山區重慶南路三段 60 之 1 號
6	IAH 新莊服務站	新北市新莊區思源路 34 號
7	IBA 桃園服務站	桃園市桃園區建國路 186 號 1 樓
8	IBB 中壢服務站	桃園市大園區中正東路三段 2 號
9	IBC 新竹服務站	新竹市香山區埔前路 260 號
10	IBD 苗栗服務站	苗栗縣公館鄉玉谷村 5 鄰向陽 9 號
11	ICA 台中服務站	台中市南屯區工業區二十三路 26 號 2 樓
12	ICB 草屯服務站	南投縣草屯鎮太平路二段 88 號
13	ICC 彰化服務站	彰化市新平路 74 號
14	ICD 雲林服務站	雲林縣斗南鎮延平路一段 220 號
15	ICE 嘉義服務站	嘉義市八德路 292 號
16	IDA 新營服務站	台南市柳營區柳營路二段 200 號
17	IDB 台南服務站	台南市南區新平路 2 號
18	IDC 高雄服務站	高雄市仁武區鳳仁路 397 號
19	IDD 苓雅服務站	高雄市苓雅區中正一路 434 號
20	IDE 屏東服務站	屏東市建南路 9 號
21	資材部	桃園市觀音鄉金湖村中山路一段 1568-1 號

本查驗意見書須完整版本使用視為有效，且續頁須與首頁一併使用。

若需進一步查詢本查驗意見書之任何資訊，本中心聯絡資訊：財團法人台灣大電力研究試驗中心(桃園市觀音區草漯里榮工南路 6-6 號)，TEL：03-4839090。(74T-10-0101A)

頁數：第 4 頁/共 4 頁



財團法人

金屬工業研究發展中心

METAL INDUSTRIES RESEARCH &
DEVELOPMENT CENTRE

溫室氣體查證意見

GHG Verification Opinion

安華機電工程股份有限公司
YATEC ENGINEERING CORPORATION

台北市南港區三重路 19-8 號 2 樓
2F, No.19-8, Sanchong Rd., Nangang Dist., Taipei City

經本中心依據 ISO 14064-3:2019 完成查證並符合下列標準要求

Has been verified in accordance with ISO 14064-3:2019 as meeting the requirements of

ISO 14064-1:2018

直接溫室氣體排放量

Direct greenhouse gas emission

5.2707 公噸二氧化碳當量(CO₂e)

間接溫室氣體排放量

Indirect greenhouse gas emission

111.7058 公噸二氧化碳當量(CO₂e)

直接與間接溫室氣體排放總量

Direct and indirect GHG emissions

116.977 公噸二氧化碳當量(CO₂e)

溫室氣體排放量期間：2024 年 01 月 01 日至 2024 年 12 月 31 日

The GHG emissions information for the period from 2024-01-01 to 2024-12-31

意見編號

Opinion No

: MIRDC-2025-03G

簽署日期

Approved Date

: 2025.04.21

簽署人

Signatory

林仁益



MIRDC
ISO 14064-1

- 本查證意見不可單頁使用，須與查證範圍、目標、準則及結論頁面共同使用始具效力。
- 本查證意見僅為客戶溫室氣體聲明所需資訊之雙方協議提供，因此 MIRDC 無法保證此聲明的準確性或正確性。MIRDC 不接受或承擔任一方使用本意見作為決策之任何責任。
- This Opinion is not valid without the full verification scope, objectives, criteria and findings available on the Opinion.
- This Verification Opinion is based on the information made available to us and the engagement conditions detailed above. Hence, MIRDC cannot guarantee the accuracy or correctness of this information. MIRDC cannot be held liable by any party relying or acting upon this Verification.

責任

安華機電工程股份有限公司管理階層確保溫室氣體資訊系統之發展、紀錄維護及文件化程序已符合標準要求，負責評估、決定及報告溫室氣體排放量資訊，並提供支持溫室氣體聲明所需之其他資訊。

財團法人金屬工業研究發展中心(MIRDC)秉持第三方查證機構之準則，經雙方達成協議，並根據溫室氣體盤查報告書涵蓋期間(2024 年 01 月 01 日至 2024 年 12 月 31 日)之聲明，並且於 2025 年 02 月 27 日至 2025 年 03 月 25 日期間，執行組織層級溫室氣體排放量查證活動，提出溫室氣體查證意見。

範圍

- 查驗範圍為安華機電工程股份有限公司，包含：
 - 台北辦公室 (地址：台北市南港區三重路 19-8 號 2 樓)
 - 高雄辦公室 (地址：高雄市苓雅區新光路 38 號 9 樓之 2)
 - 越南辦公室 (地址：胡志明市平新郡平治東 B 坊 7A 號路 136-138 號 4 樓)
- 採用 2023 年電力排放因子 0.494 公噸二氧化碳當量，全球暖化潛勢(GWP)引用 IPCC 2021 第六次評估報告之全球暖化潛勢值，排放量查證結果如下表：

排量源	內容說明	排放量(公噸二氧化碳當量)
類別一	直接溫室氣體排放	5.2707
類別二	由輸入能源產生之間接溫室氣體排放	92.5507
類別三	由運輸產生之間接溫室氣體排放	N.S.
類別四	由組織使用的產品所產生之間接溫室氣體排放	19.1551
類別五	與組織的產品使用相關連之間接溫室氣體排放	N.S.
類別六	由其他來源產生的間接溫室氣體排放	N.S.

N.S. : Non significant (非重大)

結論

上述查證意見係 MIRDC 依據公正之查驗過程，針對安華機電工程股份有限公司之 2024 年溫室氣體聲明所提出之意見。MIRDC 依據查證準則執行查證程序，證據結果顯示安華機電工程股份有限公司提出之溫室氣體聲明，符合實質性門檻，為合理保證等級。

● 本查證意見不可單獨使用，須與查證範圍、目標、準則及結論頁面共同使用始具效力。
● 本查證意見僅為客戶溫室氣體聲明所需資訊之雙方協議提供，因此 MIRDC 無法保證此聲明的準確性或正確性。MIRDC 不接受或承擔任何一方使用本意見作為決策之任何責任。
● This Opinion is not valid without the full verification scope, objectives, criteria and findings available on the Opinion.
● This Verification Opinion is based on the information made available to us and the engagement conditions detailed above. Hence, MIRDC cannot guarantee the accuracy or correctness of this information. MIRDC cannot be held liable by any party relying or acting upon this Verification.

Opinion Statement

Greenhouse Gas Emissions Verification Opinion Statement

This is to verify that: TAIAN-ECOBAR TECHNOLOGY CO., LTD.
No. 158, Xinjiang Rd.
Yangmei Dist.
Taoyuan City
326007
Taiwan

安達康科技股份有限公司
臺灣
桃園市
楊梅區
新江路 158 號
326007

Holds Statement No: GHGEV 792290

Verification opinion statement

As a result of carrying out verification and validation procedures in accordance with ISO 14064-3:2019, it is the statement for mixed engagement including reasonable assurance for verification activity as well as validation and agreed-upon procedures (AUP) contains the following:

- The Greenhouse Gas Emissions with TAIAN-ECOBAR TECHNOLOGY CO., LTD. for the period from 2024-01-01 to 2024-12-31 was verified and validated.
- The verified organization-level greenhouse gas emissions include direct greenhouse gas emissions 29.0947 tonnes of CO₂ equivalent and indirect greenhouse gas emissions from imported energy 349.5821 tonnes of CO₂ equivalent.
- TAIAN-ECOBAR TECHNOLOGY CO., LTD. has defined and explained its own process and pre-determined criteria for significance of indirect Greenhouse Gas Emissions and quantify and report these identified significant emissions accordingly.

For and on behalf of BSI:



Managing Director BSI Taiwan, Peter Pu

Originally Issue: 2025-04-02

Latest Issue: 2025-04-02

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...making excellence a habit.™

The British Standards Institution is independent to the above named client and has no financial interest in the above named client. This Opinion Statement has been prepared for the above named client only for the purposes of verifying its statements relating to its carbon emissions more particularly described in the scope. It was not prepared for any other purpose. The British Standards institution will not, in providing this Opinion Statement, accept or assume responsibility (legal or otherwise) or accept liability for or in connection with any other purpose for which it may be used or to any person by whom the Opinion Statement may be read. This Opinion Statement is prepared on the basis of review by The British Standards Institution of information presented to it by the above named client. The review does not extend beyond such information and is solely based on it. In performing such review, The British Standards Institution has assumed that all such information is complete and accurate. Any queries that may arise by virtue of this Opinion Statement or matters relating to it should be addressed to the above name client only.

Taiwan Headquarters: 2nd Floor, No. 37, Ji-Hu Rd., Nei-Hu Dist., Taipei 114, Taiwan, R.O.C.

BSI Taiwan is a subsidiary of British Standards Institution.

The Greenhouse Gas Emissions Verification activities are based on reasonable level of assurance:

- The data and information of greenhouse gas emissions are based on historical in nature, and no material misstatements for the period from 2024-01-01 to 2024-12-31 Greenhouse Gas Emissions calculation were revealed.
- Data quality was considered acceptable in meeting the principles as set out in ISO 14064-1:2018.
- The emission factor for electricity for the year 2024 is not published by Taiwan government so far, the emission factor used for electricity is 0.494 kgCO₂e per kWh instead which may potentially result in different Greenhouse Gas Emission estimates.

EMISSIONS		Notes	tonnes CO ₂ e
Category 1: Direct GHG emissions and removals			29.0947
1.1	Stationary combustion		0.4877
1.2	Mobile combustion		5.2585
1.3	Industrial processes (anthropogenic systems)		5.7723
1.4	Fugitive (anthropogenic systems)		17.5762
1.5	Land use, land use change and forestry		0.0000
Direct emissions in tonnes of CO ₂ e from biomass			0.0000
Category 2: Indirect GHG emissions from imported energy			349.5821
2.1	Indirect emissions from imported electricity	location-based approach	349.5821
2.2	Indirect emissions from imported energy (steam, heating, cooling and compressed air)		0.0000

Agreed-upon procedures (AUP)

- AUP are specific types of verification activities, BSI have performed the evidence-gathering procedures for the period from 2024-01-01 to 2024-12-31.
- BSI do not express any assurance on the GHG emissions, removals and storage in listed below.

EMISSIONS		Notes	AUP Item(s)	tonnes CO ₂ e
Category 4: Indirect GHG emissions from products used by organization				7,993.6551
4.1	Emissions from Purchased goods	Goods and raw material : Average-data method (Only the primary raw materials for electrical busbars [copper plates and aluminium plates] are included) Energy & Fuel: Use the Average-data method	Goods and raw material: 1,599.2536 mt Imported electricity: 707.6560 MWh Tap water: 1.1259 km ³ C ₂ H ₂ cylinder: 1.692 mt O ₂ cylinder: 1.4364 mt	7,979.8071
4.3	Emissions from the disposal of solid and liquid waste	Use the waste-type- specific method (Only waste code D-1801, D-2527; paper bags and waste plastic products are included.)	Solid waste: 302.5970 mt	13.8480

The British Standards Institution is independent to the above named client and has no financial interest in the above named client. This Opinion Statement has been prepared for the above named client only for the purposes of verifying its statements relating to its carbon emissions more particularly described in the scope. It was not prepared for any other purpose. The British Standards institution will not, in providing this Opinion Statement, accept or assume responsibility (legal or otherwise) or accept liability for or in connection with any other purpose for which it may be used or to any person by whom the Opinion Statement may be read. This Opinion Statement is prepared on the basis of review by The British Standards Institution of information presented to it by the above named client. The review does not extend beyond such information and is solely based on it. In performing such review, The British Standards Institution has assumed that all such information is complete and accurate. Any queries that may arise by virtue of this Opinion Statement or matters relating to it should be addressed to the above name client only.

Taiwan Headquarters: 2nd Floor, No. 37, Ji-Hu Rd., Nei-Hu Dist., Taipei 114, Taiwan, R.O.C.
 BSI Taiwan is a subsidiary of British Standards Institution.

Holds Statement No: GHGEV 792290

The direct GHG emissions and removals(cat.1) and indirect GHG emissions from imported energy emissions(cat.2) were verified in selected branches and representative offices, including but not limited to the following:

Location	Verification Information
TAIAN-ECOBAR TECHNOLOGY CO., LTD. No. 158, Xinjiang Rd. Yangmei Dist. Taoyuan City 326007 Taiwan 安達康科技股份有限公司 臺灣 桃園市 楊梅區 新江路 158 號 326007	The Greenhouse Gas Emissions with TAIAN-ECOBAR TECHNOLOGY CO., LTD. for the period from 2024-01-01 to 2024-12-31 was verified, including direct greenhouse gas emissions 29.0947 tonnes of CO ₂ equivalent and indirect greenhouse gas emissions from imported energy 349.5821 tonnes of CO ₂ equivalent.



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The British Standards Institution is independent to the above named client and has no financial interest in the above named client. This Opinion Statement has been prepared for the above named client only for the purposes of verifying its statements relating to its carbon emissions more particularly described in the scope. It was not prepared for any other purpose. The British Standards institution will not, in providing this Opinion Statement, accept or assume responsibility (legal or otherwise) or accept liability for or in connection with any other purpose for which it may be used or to any person by whom the Opinion Statement may be read. This Opinion Statement is prepared on the basis of review by The British Standards Institution of information presented to it by the above named client. The review does not extend beyond such information and is solely based on it. In performing such review, The British Standards Institution has assumed that all such information is complete and accurate. Any queries that may arise by virtue of this Opinion Statement or matters relating to it should be addressed to the above name client only.

Taiwan Headquarters: 2nd Floor, No. 37, Ji-Hu Rd., Nei-Hu Dist., Taipei 114, Taiwan, R.O.C.
BSI Taiwan is a subsidiary of British Standards Institution.

温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

No.GHG-INV-12-2025-0007

本核查陈述针对:

This is to verify that:

江西东元电机有限公司

Jiangxi Teco Electric&Machinery Co., Ltd.

地址: 江西省南昌市高新开发区东元路 189 号

Add: No.189 Dongyuan Road, High-Tech Industrial Development Zone, Nanchang City,
Jiangxi Province, P.R.China

中国质量认证中心根据相关核查程序发布本核查陈述。

CQC issues a verification statement according to related verification procedures.

中国质量认证中心认为:

CQC here confirms that:

- ◆ **2025 年 1 月 10 日**发布的江西东元电机有限公司 2024 年度温室气体报告 (版本: **V2**) 表明江西东元电机有限公司在 **2024 年 1 月 1 日至 2024 年 12 月 31 日**之间温室气体排放量为 **909,820 吨 CO₂ 当量**, 温室气体清除量为 **0 吨 CO₂ 当量**。
It's asserted in 2024 Jiangxi Teco Electric&Machinery Co., Ltd. Greenhouse Gas Emission Report (Version: **V2**) published on **Jan. 10th, 2025** that Jiangxi Teco Electric&Machinery Co., Ltd. Greenhouse Gas Emissions were **909,820 tonnes CO₂ Equivalent** and Greenhouse Gas Removal was **0 tonnes CO₂ Equivalent** from **Jan. 1st, 2024 to Dec. 31st, 2024**.
- ◆ 江西东元电机有限公司温室气体排放和清除的量化、监测和报告遵从 **ISO 14064-1:2018** 的相关要求。
The quantification, monitoring and reporting of Jiangxi Teco Electric&Machinery Co., Ltd. Greenhouse Gas emissions and removals comply with the requirement of **ISO 14064-1:2018**.
- ◆ 该声明不存在实质性偏差, 达到了合理保证等级的相关要求。
The assertion has no material errors and reaches the requirements of reasonable level of assurance.

签发
SIGNATURE

谢肇煦



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0007

第 1 页 共 2 页

本证书及附件应同时使用, 信息查验说明见证书页

受江西东元电机有限公司的委托, 中国质量认证中心(CQC)根据 ISO14064-1: 2018 和 ISO14064-3: 2019 对江西东元电机有限公司温室气体排放报告进行了独立的第三方核查。江西东元电机有限公司是一家主要生产电动机及相关产品、发电设备及相关零部件产品的企业, 位于江西省南昌市高新开发区东元路 189 号。本次核查的温室气体报告覆盖时间段为 2024 年 1 月 1 日至 2024 年 12 月 31 日, 该报告中的温室气体声明是基于适用的技术文献和江西东元电机有限公司的历史活动数据所做出的。江西东元电机有限公司负责本覆盖时间段内的温室气体信息系统, 包括资料的记录和报告程序的运行。

本次核查服务的范围、目的、准则和保证等级是建立在江西东元电机有限公司和中国质量认证中心达成共识的基础之上:

核查范围

中国质量认证中心对江西东元电机有限公司的温室气体报告以及温室气体信息、监测、量化、相关程序进行核查, 包括组织对于参考文件中信息的合理使用。

组织边界	江西东元电机有限公司 (江西省南昌市高新开发区东元路 189 号)	
报告边界	江西东元电机有限公司在电动机及相关产品、发电设备及相关零部件产品的生产与相关管理过程中产生的直接温室气体排放、能源输入引起的间接温室气体排放、部分交通运输引起的间接温室气体排放、部分组织使用的产品/服务引起的间接温室气体排放和部分组织的产品在使用过程中引起的间接温室气体排放	
温室气体源、汇和库	仅涉及温室气体源, 不涉及温室气体汇和库, 参见 2025 年 1 月 10 日发布的江西东元电机有限公司温室气体 2024 年度排放报告 (版本: V2)	
披露范围内温室气体排放	二氧化碳(CO ₂): 909,788.43 吨 CO ₂ 当量 甲烷(CH ₄): 7.86 吨 CO ₂ 当量 氧化亚氮(N ₂ O): 0.68 吨 CO ₂ 当量 氢氟碳化物和含氢氯氟烃(HFCs、HCFCs): 23.52 吨 CO ₂ 当量	直接排放: 67.21 吨 CO ₂ 当量 能源输入引起的间接排放: 1,973.21 吨 CO ₂ 当量 交通运输引起的间接排放: 402.08 吨 CO ₂ 当量 组织使用的产品/服务引起的间接排放: 1,669.61 吨 CO ₂ 当量 组织的产品在使用过程中引起的间接排放: 905,708.37 吨 CO ₂ 当量
覆盖时间段	2024 年 1 月 1 日至 2024 年 12 月 31 日	
基准年信息	2021 年 1 月 1 日至 2021 年 12 月 31 日为江西东元电机有限公司首次进行温室气体量化和报告的年份, 2021 年 1 月 1 日至 2021 年 12 月 31 日为江西东元电机有限公司温室气体排放量化和报告的基准年, 基准年排放状况见 2022 年 7 月 28 日发布的江西东元电机有限公司 2021 年度温室气体排放报告书 (版本: A1)。	
证书发布时间	2025 年 2 月 18 日	



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0007

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本证书及附件应同时使用, 信息查验说明见证书页

核查目的

本次核查工作旨在通过客观的证据, 对相关信息提供独立的评价, 包括:

- 温室气体报告中的信息是否符合相关性、完整性、一致性、准确性、透明性的原则;
- 所报告的数据结果是否存在实质性的错误和遗漏;
- 是否满足预定的保证等级。

核查准则

本次核查工作的准则为 ISO14064-1: 2018 和 ISO14064-3: 2019。

保证等级

本次核查的保证等级经双方事先确认为合理保证等级。

核查说明

中国质量认证中心的核查陈述是基于自身对于相关温室气体信息风险的理解和所采取的合理风险控制措施而得出的。

为获取我们认为必需的信息和证据, 以保证江西东元电机有限公司 2024 年 1 月 1 日至 2024 年 12 月 31 日的温室气体报告达到合理保证等级, 中国质量认证中心制定了核查计划, 并履行了该计划。中国质量认证中心采纳的核查证据包括对组织报告的温室气体排放量和相关信息在抽样的基础之上得到的发现。

本核查陈述应当和江西东元电机有限公司 2024 年度温室气体报告同时提供给目标用户。



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

No.GHG-INV-12-2025-0008

本核查陈述针对:

This is to verify that:

江西东元西屋马达线圈有限公司

Jiangxi Teco-Westinghouse Motor Coil Co., Ltd.

地址: 江西省南昌市高新开发区东元路 189 号

Add: No.189 Dongyuan Road, High-Tech Industrial Development Zone, Nanchang City, Jiangxi Province, P.R.China

中国质量认证中心根据相关核查程序发布本核查陈述。

CQC issues a verification statement according to related verification procedures.

中国质量认证中心认为:

CQC here confirms that:

- ◆ **2025 年 1 月 10 日**发布的江西东元西屋马达线圈有限公司 2024 年度温室气体报告 (版本: **V2**) 表明江西东元西屋马达线圈有限公司在 **2024 年 1 月 1 日至 2024 年 12 月 31 日**之间温室气体排放量为 **531 吨 CO₂ 当量**, 温室气体清除量为 **0 吨 CO₂ 当量**。
It's asserted in 2024 Jiangxi Teco-Westinghouse Motor Coil Co., Ltd. Greenhouse Gas Emission Report (Version: **V2**) published on **Jan. 10th, 2025** that Jiangxi Teco-Westinghouse Motor Coil Co., Ltd. Greenhouse Gas Emissions were **531 tonnes CO₂ Equivalent** and Greenhouse Gas Removal was **0 tonnes CO₂ Equivalent** from **Jan. 1st, 2024 to Dec. 31st, 2024**.
- ◆ 江西东元西屋马达线圈有限公司温室气体排放和清除的量化、监测和报告遵从 **ISO 14064-1:2018** 的相关要求。
The quantification, monitoring and reporting of Jiangxi Teco-Westinghouse Motor Coil Co., Ltd. Greenhouse Gas emissions and removals comply with the requirement of **ISO 14064-1:2018**.
- ◆ 该声明不存在实质性偏差, 达到了合理保证等级的相关要求。
The assertion has no material errors and reaches the requirements of reasonable level of assurance.

签发
SIGNATURE

谢肇煦



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0008

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本证书及附件应同时使用, 信息查验说明见证书页

受江西东元西屋马达线圈有限公司的委托, 中国质量认证中心(CQC)根据 ISO14064-1: 2018 和 ISO14064-3: 2019 对江西东元西屋马达线圈有限公司温室气体排放报告进行了独立的第三方核查。江西东元西屋马达线圈有限公司是一家主要生产电机、线圈及相关产品和零部件产品的企业, 位于江西省南昌市高新开发区东元路 189 号。本次核查的温室气体报告覆盖时间段为 2024 年 1 月 1 日至 2024 年 12 月 31 日, 该报告中的温室气体声明是基于适用的技术文献和江西东元西屋马达线圈有限公司的历史活动数据所做出的。江西东元西屋马达线圈有限公司负责本覆盖时间段内的温室气体信息系统, 包括资料的记录和报告程序的运行。

本次核查服务的范围、目的、准则和保证等级是建立在江西东元西屋马达线圈有限公司和中国质量认证中心达成共识的基础之上:

核查范围

中国质量认证中心对江西东元西屋马达线圈有限公司的温室气体报告以及温室气体信息、监测、量化、相关程序进行核查, 包括组织对于参考文件中信息的合理使用。

组织边界	江西东元西屋马达线圈有限公司 (江西省南昌市高新开发区东元路 189 号)		
报告边界	江西东元西屋马达线圈有限公司在电机、线圈及相关产品和零部件产品的生产与相关管理过程中产生的直接温室气体排放、能源输入引起的间接温室气体排放、部分部分交通运输引起的间接温室气体排放和部分组织使用的产品/服务引起的间接温室气体排放		
温室气体源、汇和库	仅涉及温室气体源, 不涉及温室气体汇和库, 参见 2025 年 1 月 10 日发布的江西东元西屋马达线圈有限公司温室气体 2024 年度排放报告 (版本: V2)		
披露范围内温室气体排放	二氧化碳(CO ₂): 529.37 吨 CO ₂ 当量 甲烷(CH ₄): 1.40 吨 CO ₂ 当量	直接排放: 1.40 吨 CO ₂ 当量 能源输入引起的间接排放: 158.98 吨 CO ₂ 当量 交通运输引起的间接排放: 40.16 吨 CO ₂ 当量 组织使用的产品/服务引起的间接排放: 330.24 吨 CO ₂ 当量	
覆盖时间段	2024 年 1 月 1 日至 2024 年 12 月 31 日		
基准年信息	2023 年 1 月 1 日至 2023 年 12 月 31 日为江西东元西屋马达线圈有限公司首次进行温室气体量化和报告的年份, 2023 年 1 月 1 日至 2023 年 12 月 31 日为江西东元西屋马达线圈有限公司温室气体排放量化和报告的基准年, 基准年排放状况见 2024 年 3 月 20 日发布的江西东元西屋马达线圈有限公司 2023 年度温室气体排放报告 (版本: V2)。		
证书发布时间	2025 年 2 月 19 日		



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0008

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本证书及附件应同时使用, 信息查验说明见证书页

核查目的

本次核查工作旨在通过客观的证据, 对相关信息提供独立的评价, 包括:

- 温室气体报告中的信息是否符合相关性、完整性、一致性、准确性、透明性的原则;
- 所报告的数据结果是否存在实质性的错误和遗漏;
- 是否满足预定的保证等级。

核查准则

本次核查工作的准则为 ISO14064-1: 2018 和 ISO14064-3: 2019。

保证等级

本次核查的保证等级经双方事先确认为合理保证等级。

核查说明

中国质量认证中心的核查陈述是基于自身对于相关温室气体信息风险的理解和所采取的合理风险控制措施而得出的。

为获取我们认为必需的信息和证据, 以保证江西东元西屋马达线圈有限公司 2024 年 1 月 1 日至 2024 年 12 月 31 日的温室气体报告达到合理保证等级, 中国质量认证中心制定了核查计划, 并履行了该计划。中国质量认证中心采纳的核查证据包括对组织报告的温室气体排放量和相关信息在抽样的基础之上得到的发现。

本核查陈述应当和江西东元西屋马达线圈有限公司 2024 年度温室气体报告同时提供给目标用户。



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

No.GHG-INV-12-2025-0093

本核查陈述针对:

This is to verify that:

江西东成空调设备有限公司

TECO (Jiang Xi) Air Conditioning Equipment Co., Ltd.

地址: 江西省南昌市高新开发区东元路 169 号

Add: No.169 Dongyuan Road, High-Tech Industrial Development Zone, Nanchang City,
Jiangxi Province, P.R.China

中国质量认证中心根据相关核查程序发布本核查陈述。

CQC issues a verification statement according to related verification procedures.

中国质量认证中心认为:

CQC here confirms that:

- ◆ 2025 年 2 月 24 日发布的江西东成空调设备有限公司 2024 年度温室气体报告 (版本: **A1**) 表明江西东成空调设备有限公司在 2024 年 1 月 1 日至 2024 年 12 月 31 日之间温室气体排放量为 **13,229** 吨 CO₂ 当量, 温室气体清除量为 **0** 吨 CO₂ 当量。
It's asserted in 2024 TECO (Jiang Xi) Air Conditioning Equipment Co., Ltd. Greenhouse Gas Emission Report (Version: **A1**) published on **Feb. 24th, 2025** that TECO (Jiang Xi) Air Conditioning Equipment Co., Ltd. Greenhouse Gas Emissions were **13,229** tonnes CO₂ Equivalent and Greenhouse Gas Removal was **0** tonnes CO₂ Equivalent from **Jan. 1st, 2024** to **Dec. 31st, 2024**.
- ◆ 江西东成空调设备有限公司温室气体排放和清除的量化、监测和报告遵从 **ISO 14064-1:2018** 的相关要求。
The quantification, monitoring and reporting of TECO (Jiang Xi) Air Conditioning Equipment Co., Ltd. Greenhouse Gas emissions and removals comply with the requirement of **ISO 14064-1:2018**.
- ◆ 该声明不存在实质性偏差, 达到了合理保证等级的相关要求。
The assertion has no material errors and reaches the requirements of reasonable level of assurance.

签发
SIGNATURE

谢肇煦



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0093

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本证书及附件应同时使用, 信息查验说明见证书页

受江西东成空调设备有限公司的委托, 中国质量认证中心(CQC)根据 ISO14064-1: 2018 和 ISO14064-3: 2019 对江西东成空调设备有限公司温室气体排放报告进行了独立的第三方核查。江西东成空调设备有限公司是一家主要生产空调设备产品的企业, 位于江西省南昌市高新开发区东元路 169 号。本次核查的温室气体报告覆盖时间段为 2024 年 1 月 1 日至 2024 年 12 月 31 日, 该报告中的温室气体声明是基于适用的技术文献和江西东成空调设备有限公司的历史活动数据所做出的。江西东成空调设备有限公司负责本覆盖时间段内的温室气体信息系统, 包括资料的记录和报告程序的运行。

本次核查服务的范围、目的、准则和保证等级是建立在江西东成空调设备有限公司和中国质量认证中心达成共识的基础之上:

核查范围

中国质量认证中心对江西东成空调设备有限公司的温室气体报告以及温室气体信息、监测、量化、相关程序进行核查, 包括组织对于参考文件中信息的合理使用。

组织边界	江西东成空调设备有限公司 (江西省南昌市高新开发区东元路 169 号)	
报告边界	江西东成空调设备有限公司在空调设备产品的生产与相关管理过程中产生的直接温室气体排放、能源输入引起的间接温室气体排放、部分交通运输引起的间接温室气体排放、部分组织使用的产品/服务引起的间接温室气体排放和部分组织的产品在使用过程中引起的间接温室气体排放	
温室气体源、 汇和库	仅涉及温室气体源, 不涉及温室气体汇和库, 参见 2025 年 2 月 24 日发布的江西东成空调设备有限公司温室气体 2024 年度排放报告 (版本: A1)	
披露范围内 温室气体排放	二氧化碳(CO ₂): 12,151.35 吨 CO ₂ 当量 甲烷(CH ₄): 3.78 吨 CO ₂ 当量 氧化亚氮(N ₂ O): 1.11 吨 CO ₂ 当量 氢氟碳化物(HFCs): 1,073.19 吨 CO ₂ 当量	直接排放: 1,201.83 吨 CO ₂ 当量 能源输入引起的间接排放: 390.61 吨 CO ₂ 当量 交通运输引起的间接排放: 221.24 吨 CO ₂ 当量 组织使用的产品/服务引起的间接排放: 737.81 吨 CO ₂ 当量 组织的产品在使用过程中引起的间接排放: 10,677.95 吨 CO ₂ 当量
覆盖时间段	2024 年 1 月 1 日至 2024 年 12 月 31 日	
基准年信息	2021 年 1 月 1 日至 2021 年 12 月 31 日为江西东成空调设备有限公司首次进行温室气体量化和报告的年份, 2021 年 1 月 1 日至 2021 年 12 月 31 日为江西东成空调设备有限公司温室气体排放量化和报告的基准年, 基准年排放状况见 2022 年 7 月 27 日发布的江西东成空调设备有限公司温室气体 2021 年度排放报告 (版本: A1)。	
证书发布时间	2025 年 4 月 15 日	



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

证书编号: GHG-INV-12-2025-0093

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本证书及附件应同时使用, 信息查验说明见证书页

核查目的

本次核查工作旨在通过客观的证据, 对相关信息提供独立的评价, 包括:

- 温室气体报告中的信息是否符合相关性、完整性、一致性、准确性、透明性的原则;
- 所报告的数据结果是否存在实质性的错误和遗漏;
- 是否满足预定的保证等级。

核查准则

本次核查工作的准则为 ISO14064-1: 2018 和 ISO14064-3: 2019。

保证等级

本次核查的保证等级经双方事先确认为合理保证等级。

核查说明

中国质量认证中心的核查陈述是基于自身对于相关温室气体信息风险的理解和所采取的合理风险控制措施而得出的。

为获取我们认为必需的信息和证据, 以保证江西东成空调设备有限公司 2024 年 1 月 1 日至 2024 年 12 月 31 日的温室气体报告达到合理保证等级, 中国质量认证中心制定了核查计划, 并履行了该计划。中国质量认证中心采纳的核查证据包括对组织报告的温室气体排放量和相关信息在抽样的基础之上得到的发现。

本核查陈述应当和江西东成空调设备有限公司 2024 年度温室气体报告同时提供给目标用户。



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



温室气体核查陈述

VERIFICATION STATEMENT OF GREENHOUSE GAS EMISSION

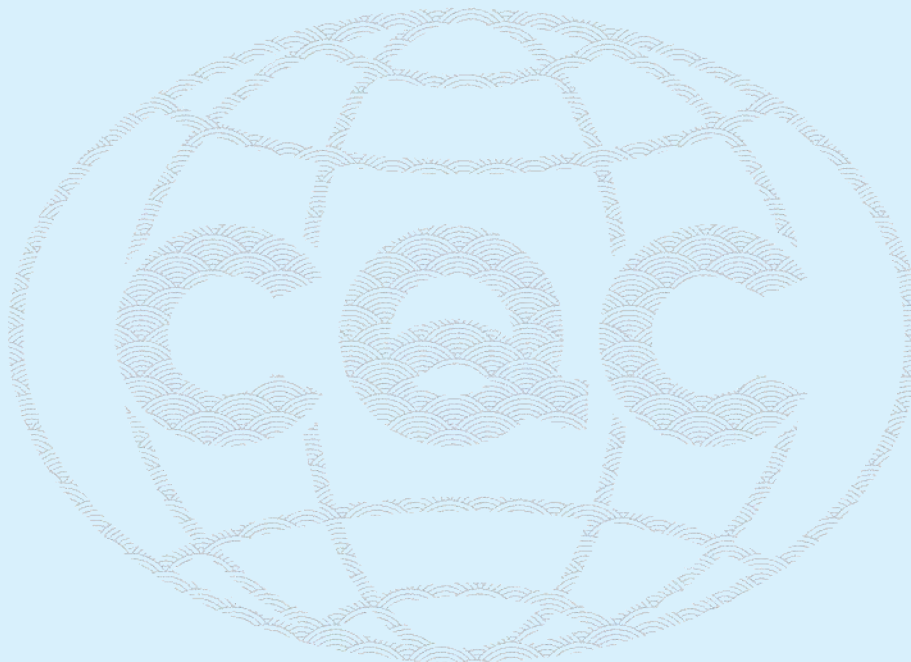
证书编号: GHG-INV-12-2025-0093

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本证书及附件应同时使用, 信息查验说明见证书页

附件 1 组织边界信息

序号	名称	运营地址
1	江西东成空调设备有限公司	江西省南昌市高新开发区东元路 169 号
2	南昌东元电机有限公司	江西省南昌市高新开发区东元路 169 号
3	东莞东成空调设备有限公司	江西省南昌市高新开发区东元路 169 号



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



財團法人台灣大電力研究試驗中心
溫室氣體查驗意見書



意見書編號：08G0006-20241

茲證明

東勝電氣股份有限公司

桃園市觀音區金湖里中山路一段1568之1號A、B棟

經本中心依據ISO 14064-3：2019完成查驗並符合下列查證準則

認證依據：ISO 14064-1：2018/CNS 14064-1：2021

查驗範圍：桃園市觀音區金湖里中山路一段1568之1號A、B棟

涵蓋期間：2024年1月01日至2024年12月31日

查驗數據：直接溫室氣體排放量	4,565.5718 公噸二氧化碳當量
間接溫室氣體排放量	78,050.9287 公噸二氧化碳當量
排放量總計：	82,616.501 公噸二氧化碳當量

查驗意見：依據本中心查驗執行的過程，發現溫室氣體聲明未違反實質性差異，溫室氣體報告已依ISO 14064-1/CNS 14064-1要求，公正的展現溫室氣體數據及相關資訊，查驗結果符合合理保證等級及查證準則。

簽署人：**曾倩玉**

西元 2025 年 03 月 31 日

本查驗意見書須完整版本使用視為有效，且續頁須與首頁一併使用。

若需進一步查詢本查驗意見書之任何資訊，本中心聯絡資訊：財團法人台灣大電力研究試驗中心(桃園市觀音區草漯里榮工南路6-6號)，TEL：03-4839090。(74T-10-0101A)

頁數：第1頁/共3頁

意見書編號： 08G0006-20241



本中心類型及查驗目標：東勝電氣股份有限公司確保組織溫室氣體系統之程序已符合標準要求，並負責報告溫室氣體聲明/排放量資訊，本中心秉持第三方查證機構角色，依據ISO 14064-1：2018及ISO 14064-3：2019等要求，對其提供之歷史資訊，以客觀查驗之證據蒐集為基礎，執行溫室氣體查驗活動，並提出溫室氣體查驗意見。

詳細查驗範圍：

• 各類別溫室氣體排放量

單位：公噸二氧化碳當量

報告邊界		溫室氣體排放量
直接溫室氣體排放		4,565.5718
間 接 溫 室 氣 體 排 放	輸入能源溫室氣體排放	1,731.7933
	運輸溫室氣體排放	61.5679
	組織使用的產品溫室氣體排放	76,257.5675
	使用組織的產品衍生之溫室氣體排放	-
	其他來源溫室氣體排放	-
排放量總計		82,616.501

• 排放溫室氣體種類：二氧化碳(CO₂)、甲烷(CH₄)、氧化亞氮(N₂O)、氫氟碳化物(HFCs)、全氟碳化物(PFCs)、三氟化氮(NF₃)及六氟化硫(SF₆)。

• 全球暖化潛勢(GWP)：引用IPCC 2021 評估報告。

• 排放係數來源：

直接溫室氣體排放：環境部溫室氣體排放係數管理表 6.0.4

間接溫室氣體排放：輸入電力引用經濟部能源署 113 年公布之 112 電力排
碳係數 0.494 公斤二氧化碳當量/度計算

本查驗意見書須完整版本使用視為有效，且續頁須與首頁一併使用。

若需進一步查詢本查驗意見書之任何資訊，本中心聯絡資訊：財團法人台灣大電力研究試驗中心(桃園市觀音區草漯里榮工
南路 6-6 號)，TEL：03-4839090。(74T-10-0101A)

頁數：第 2 頁/共 3 頁

意見書編號： 08G0006-20241

- 盤查清冊版本：2025年02月21日 (版次V2)
- 盤查報告版本：2025年03月25日 (版次V2)

實質性差異門檻：

5%，本中心依此為確認溫室氣體揭露資訊之遺漏或錯誤程度。

查驗方法：

本中心以書面審查、赴廠訪談、兩階段查驗等方式，查驗組織範圍內具充分代表性之主要重大排放源，並取得查驗意見需要之資訊及相關佐證，確保溫室氣體排放量之準確性。

查驗小組：

主導查驗員：

趙俊智

查驗員：

吳祖南

核發日期： 2025 年 03 月 31 日

本查驗意見書須完整版本使用視為有效，且續頁須與首頁一併使用。

若需進一步查詢本查驗意見書之任何資訊，本中心聯絡資訊：財團法人台灣大電力研究試驗中心(桃園市觀音區草漯里榮工南路 6-6 號)，TEL：03-4839090。(74T-10-0101A)

頁數：第 3 頁/共 3 頁

TECO-WESTINGHOUSE MOTORS COMPANY (TWMC)

Address: 5100 N Interstate Hwy 35 A, Round Rock, Texas, 78681, United States of America.

The Greenhouse Gas Emissions Inventory for the period 01/01/2024 to 12/31/2024 has been verified in accordance with the requirements of the

ISO 14064-1:2018

For the following activities:

"Manufacture, service and sales of electric motors, generators and drives, including stock products and accessories"

Total GHG Emissions: 5399.84 tons of CO₂ equivalent

Scope 1: 596.25 tons of CO₂ equivalent

Scope 2 - Location-based approach: 4803.59 tons of CO₂ equivalent

Lead Auditor: Bright Kumordzi

Verification Statement Date: May 23, 2025



Authorized by
Fabio Sianga
SGS do Brasil Ltda
Av. Piracema 1341 – Galpão Horizon – Zip Code 06460-030, Barueri/SP, Brazil
t +55 11 2664-9595 - www.sgsgroup.com.br



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SGS was hired by TECO-WESTINGHOUSE MOTORS COMPANY (TWMC) (here called "client"), located at 5100 N Interstate Hwy 35 A, Round Rock, Texas, 78681, United States of America, for the verification of the direct and indirect GHG emissions from agreement with the

ISO 14064-3:2019

As provided in the GHG statement in form of the inventory documented covering the Emissions of GHG of the period of 01/01/2024 to 12/31/2024.

Roles and Responsibilities

The client is responsible for the organization's GHG information system, development and maintenance of records and reporting procedures under that system, including the calculation and determination of emissions of GHG and the report of the emissions of GHG.

It is the responsibility of SGS to express an independent verification opinion of the GHG emissions as provided in the GHG statement.

SGS conducted a Third-Party verification of the GHG statement provided against the principles of ISO 14064-1:2018 and ISO 14064-3:2019 in the period of 01/01/2024 to 12/31/2024. The verification was based on the scope of verification, objectives and criteria as agreed between the client and SGS in 04/09/2025.

Level of assurance

Verification with reasonable level of assurance.

Scope

The client requested independent verification by SGS North America Inc of its GHG statement to establish compliance with the principles of ISO 14064 within the scope of verification as indicated below.

The data and information supporting the GHG statement have been calculated based in monitored and historical data.

This commitment includes verification of emissions from anthropogenic sources of greenhouse gases included in organizational limits and is based on ISO 14064-3:2019.

- The organizational boundary was established following the operational control.
- Title or description of activities: Manufacture, service and sales of electric motors, generators and drives, including stock products and accessories.
- Location/boundaries of activities: 5100 N Interstate Hwy 35 A, Round Rock, Texas, 78681, United States of America. The site was visited this year but other warehouses located in the US were not included.
- Infrastructure physics, activities, technologies, and processes of organization: Manufacturing, administration and warehousing. The TWMC-Round Rock facility is owned by TECO Electric and Machinery Co. Ltd.
- GHG sources, sinks and/or reservoir included: GHG emissions Scope 1, and Scope 2 as follows:
Scope 1: Direct emissions from stationary sources (combustion of natural gas), mobile combustion and fugitive emissions.
Scope 2: Indirect emissions derived from the consumption of electrical energy acquired from third parties.



- Type of GHG Considered: CO₂, CH₄, N₂O, HFC, PFC, SF₆ and NF₃.
- Exclusions: Scope 3 is not reported, as the company did not carry out a survey of indirect emissions that are significant to the organization.
- The information from GHG for the period: 01/01/2024 to 12/31/2024.
- GHG Verification Statement users: TECO-WESTINGHOUSE MOTORS (CANADA) INC. and General Public.

Objective

The verification objective is to review objective evidence, and an independent review to determine:

- Whether GHG emissions are as stated by the organization's GHG statement.
- Whether the reported data is correct, complete, consistent, transparent, and free of errors or omissions.

Criteria

Criteria according to which the verification was carried out are the requirements of the ISO 14064:2018.

Materiality

The materiality required for verification was considered by SGS as 5%, according to the need for the GHG statement.

Conclusion

The client provided the GHG statement based on requirements of ISO14064-1:2018. GHG information for the period 01/01/2024 to 12/31/2024, containing the emissions presented below has been verified by SGS to a reasonable level of assurance, consistent with the agreed verification scope, objectives and criteria.

Total emissions Verified across the organization:

Scope 1: 596.251 tons of CO₂ equivalent

Scope 2 – location-based approach: 4,803.590 tons of CO₂ equivalent

Scope 2 – market-based approach: 0.000 tons of CO₂ equivalent

Total Emissions: 5,399.841 tons of CO₂ equivalent

SGS's approach is based on an understanding of the risks associated with reporting GHG emissions and the controls to mitigate them. Our analysis included the assessment of relevant evidence, based on tests, relating to the quantities and information of GHG emissions reported by the organization.

We have performed our verification work to obtain the information, explanations and evidence considered necessary to obtain a limited level of assurance that the GHG emissions for the period of 01/01/2024 to 12/31/2024 are fairly stated.

We conducted our verification in accordance with the client's GHG statement including verification of the GHG information system, monitoring and reporting. This verification included that the provisions of the reference protocol were consistently and appropriately applied.



In SGS's opinion, the GHG statement presented:

- Is materially correct and is a fair representation of the GHG data and information, and
- Has been prepared in accordance with ISO14064-1:2018 on GHG quantification, monitoring and reporting.

This GHG Verification Statement shall be interpreted together with the client's GHG statement.

Note: This Verification Statement is issued on behalf of the client by SGS do Brasil LTDA ("SGS") in accordance with its General Conditions for Verification of Greenhouse Gases available at http://www.sgs.com/terms_and_conditions.htm. The results recorded are based on the audit performed by SGS. A full copy of this Verification Statement, the results and the supporting GHG statement can be obtained from the client. This Verification Statement does not relieve the client from compliance with any federal, national or regional statutes and regulations or any directive issued under such regulations. Definitions to the contrary are not binding on SGS and SGS shall have no liability vis-à-vis its client beyond



Independent Reasonable Assurance Opinion to TECO Australia on Scope 1 and 2 GHG Emissions for Calendar Year 2024

To the management of TECO Australia

Introduction

Intertek Assuris ("Intertek") was engaged by TECO Australia ("TECO") for independent third-party verification of their Scope 1 and 2 Greenhouse Gas (GHG) Emissions (the "GHG Statement") for the calendar year 2024 (i.e., from 1st January 2024 to 31st December 2024). The verification was performed in accordance with ISO 14064-3: 2019 *Specification with Guidance for the Verification and Validation of Greenhouse Gas Statements*.

Objective

The objective of this verification exercise was to review whether TECO's Scope 1 and 2 GHG emissions are as declared by the organization's GHG assertions, and the data reported are reasonably accurate, complete, consistent, transparent, and free of material errors or omissions.

Intended Users

The intended users of this assurance statement are the management and stakeholders of TECO. Our responsibility in performing this task was limited to the verification of the GHG Statement, in accordance with the agreed scope of work. This assurance engagement is based on the assumption that the data and information provided to us is authentic and complete.

Responsibilities

The management of TECO is solely responsible for the organization's GHG emissions information system, data maintenance and reporting procedures in accordance with that system, including the data collection, inventory, calculation and determination of GHG emissions for the organization.

As agreed with the management of TECO, Intertek's responsibility was to provide assurance and express an opinion on the GHG Statement based on our verification following the assurance scope and criteria given below. Intertek does not accept or assume any responsibility for any other purpose or to any other person or organization. This document represents Intertek's independent and balanced opinion on the content and accuracy of the information and data held within.

Assurance Scope

The organizational boundary was established following the operational control approach. The scope of this engagement covered GHG emissions sources for six locations in Australia and New Zealand for the period of 1st January 2024 to 31st December 2024. The details are provided below:

- Site 1: TECO Australia - Sydney
- Site 2: TECO Australia - Melbourne
- Site 3: TECO Australia - Brisbane
- Site 4: TECO Australia - Perth
- Site 5: FCR - Melbourne
- Site 6: TECO New Zealand - Auckland

The verification included Scope 1 and 2 data, as follows:

- Scope 1: Direct GHG Emissions
- Scope 2: Purchased Electricity – both Location- and Market-based

The GHG Statement follows the criteria of ISO 14064-1.

Assurance Criteria

Intertek conducted the verification work in accordance with requirements of 'Reasonable Assurance' procedures as per the following standards:

- ISO 14064-3: 2019 *Specification with Guidance for the Verification and Validation of Greenhouse Gas Statements*

The criteria in which the GHG Statement was compared against were:

- ISO 14064-1: 2018 *Specification with Guidance at the Organization Level for Quantification and Reporting of Greenhouse Gas Emissions and Removals*

A reasonable assurance engagement involves performing procedures to obtain evidence about the quantification of emissions and related information in the GHG Statement. Source data verification was also undertaken during the assurance process.

A materiality level of 5% was applied.

Assessment of compliance and materiality was undertaken against the stated calculation methodology and criteria.

Methodology

Intertek performed verification work using risk-based approach to obtain the information, explanations and evidence that was considered necessary to provide a reasonable level of assurance. The verification was conducted by desk review and site visits with regard to the GHG Statement, including reporting and supporting records for 2024. Data and information supporting the GHG Statement were proven by evidence. Our assurance task was planned and carried out from December 2024 to March 2025. The assessment included the following:

- Review of processes and systems used to gather and consolidate data.
- Examined and reviewed documents, data and other information made available digitally.
- Conducted physical site visits with managers responsible for data management from 3rd to 5th March 2025.
- Assessment of appropriateness of various assumptions, estimations, emission factors and thresholds used by TECO for data analysis.
- Review of input data on sample basis for the duration of 1st January 2024 to 31st December 2024 through TECO's calculation files and data and information.
- Recalculation of GHG emissions based on the data provided.
- Appropriate documentary evidence was obtained to support our conclusions on the information and data reviewed.

Findings

Intertek has found that sufficient and appropriate evidence were provided to support material emissions. The criteria were applied appropriately for material emissions. TECO was informed of Intertek's findings and have subsequently taken corrective actions to the identified errors. Intertek has verified that all errors and corrective actions identified during the verification process have been duly corrected.

Conclusions

Intertek reviewed selected GHG activities, production and energy data of TECO Australia ("TECO") for the reporting period of 1st January 2024 to 31st December 2024 to a reasonable level of assurance. The verification activities applied in a reasonable level of assurance verification provides a reasonable, but not absolute, level of assurance that the responsible party's statement is materially correct.

Based on the data and information provided by TECO, Intertek concludes with reasonable assurance that the GHG Statement is materially correct, is a fair representation of the GHG emissions data and information, as well as is prepared in accordance with ISO 14064-1: 2018 *Specification with Guidance at the Organization Level for Quantification and Reporting of Greenhouse Gas Emissions and Removals*.

The reported GHG emissions for 2024 are equal to:

Scope 1 (tonne CO ₂ e)	Scope 2 (Location-based) (tonne CO ₂ e)	Scope 2 (Market-based) (tonne CO ₂ e)
252.5	218.5	199.2

This opinion shall be interpreted with the GHG Statement of TECO as a whole.

Intertek's Competence and Independence

Intertek ensures the selection of appropriately qualified and impartial individuals as the verifiers. The selected verifiers have over 10 years of experience working on GHG accounting and verification projects. They were not involved in the preparation of TECO's GHG Statement.

Intertek adheres to the requirements of ISO 14064-3 in its GHG verification works. The verification was internally reviewed to ensure that the approach applied was rigorous and transparent. The verification team was not involved in any other Intertek projects with TECO.

No member of the verification team has a business relationship with TECO, its Directors or Managers beyond that is required of this assignment. No form of bribe has been accepted before, throughout and after performing the verification. The verification team has not been intimidated to agree to do this work, change and/or alter the results of the verification. The verification team has not participated in any form of nepotism, self-dealing and/or tampering. If any concerns or conflicts were identified, appropriate mitigation measures were put in place, documented and presented with the final report. The process followed during the verification is based on the principles of impartiality, evidence, fair presentation and documentation. The documentation received and reviewed supports the conclusion reached and stated in this opinion.

For Intertek Assuris



Ridzwan Nazimuddin

Senior Consultant – Climate Change & Sustainability
Intertek Assuris



Kin Seng Wong

Consultant – Climate Change & Sustainability
Intertek Assuris



Yi Hang Yu

Senior Manager – Climate Change & Sustainability
Intertek Assuris

12 March 2025



Italia

OPINIONE DI VERIFICA VERIFICATION OPINION

Nr. IT-VER-0050 Rev. 00

SI ATTESTA CHE / THIS IS TO CERTIFY THAT

L'INVENTARIO DI GAS SERRA PREDISPOSTO DALL'ORGANIZZAZIONE:
THE GREENHOUSE GAS INVENTORY DRAFTED BY THE ORGANIZATION:**MOTOVARIO S.p.A.**

SEDE LEGALE:

REGISTERED OFFICE:

VIA QUATTRO PASSI 1/3 IT - 41043 FORMIGINE (MO)

DESCRITTO NEL RAPPORTO GHG:

DESCRIBED IN THE GHG REPORT:

GHG Accounting ISO 14064-1 Anno 2024, Rev. 04 del 2025-04-02

OTTEMPERA AI PRINCIPI E AI REQUISITI DELLA NORMA

IS COMPLIANT WITH THE PRINCIPLES AND REQUIREMENTS OF STANDARD

ISO 14064-1:2018LA VERIFICA È STATA COMPIUTA AI SENSI DELLA UNI EN ISO 14064-3, DELLA UNI EN ISO 14065, E DEL
REGOLAMENTO DI ACCREDITAMENTO DI ACCREDIA PER L'ACCREDITAMENTO DELLE VERIFICHE IN MERITO
ALLE
EMISSIONI GHG.

IL VALORE DI EMISSIONI TOTALI

THE TOTAL VALUE OF EMISSION

È RISULTATO PARI A / IS EQUAL TO: **51.951 tCO₂E**

PERIODO DI RIFERIMENTO DELLO STUDIO / REFERENCE ANNO 2024 / YEAR 2024

PERIOD OF THE STUDY:

LIVELLO DI GARANZIA / LEVEL OF ASSURANCE:

RAGIONEVOLE / REASONABLE



N° 0008VV

Membro degli Accordi di Mutuo Riconoscimento
EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual
Recognition AgreementsPer l'Organismo di Verifica
For the Verification Body
TÜV Italia S.r.l.**Francesco Scarlata**Direttore Divisione Business Assurance
Business Assurance Division Manager

Data emissione / Issuing Date

2025-04-30La presente opinione non è da considerarsi valido se non accompagnato dall'Allegato 1, in cui sono indicate informazioni di dettaglio relativamente a
Responsabilità, Obiettivi, Criteri di verifica e Conclusioni dell'attività di verifica.This opinion is not to be considered valid unless accompanied by Annex 1, which provides detailed information regarding the Responsibilities,
Objectives, Verification Criteria and Conclusions of the verification activity.



Italia

Allegato alla Opinione di Verifica nr. IT-VER-0050 Rev.00 del 2025-04-30**TIPOLOGIA DI INCARICO:**

MOTOVARIO S.p.A. ha incaricato TÜV Italia s.r.l. per la Verifica dell'Inventario di gas serra di organizzazione in conformità ai requisiti della norma ISO 14064-1:2018.

I dettagli relativi a obiettivi, metodologie e calcoli sono riportati nel Rapporto GHG redatto da **MOTOVARIO S.p.A.: GHG Accounting ISO 14064-1 Anno 2024, Rev. 04 del 2025-04-02**

RESPONSABILITÀ:

MOTOVARIO S.p.A. è responsabile della redazione dell'Inventario di gas serra di organizzazione oggetto della presente Opinione e di tutte le informazioni in esso contenute.

TÜV Italia s.r.l. è l'Organismo di verifica (VB) responsabile dell'attività di verifica dell'Inventario di gas serra di organizzazione oggetto della presente Opinione in conformità ai requisiti della norma ISO 14064-1:2018 e alla norma ISO 14064-3:2018.

Sulla base della verifica effettuata, TÜV Italia s.r.l. è responsabile della formulazione della presente Opinione.

OBIETTIVI DELLA VERIFICA:

Gli obiettivi della presente attività di verifica indipendente sono stati:

1. Verificare che i dati riportati siano accurati, completi, coerenti, trasparenti e privi di errori materiali od omissioni;
2. Verificare che il risultato dei calcoli delle emissioni di gas serra oggetto dello studio sia coerente rispetto ai dati utilizzati e ai criteri definiti nell'Inventario;
3. Verificare che l'Inventario di gas serra e il Rapporto **GHG Accounting ISO 14064-1 Anno 2024, Rev. 04 del 2025-04-02** siano conformi ai requisiti della norma ISO 14064-1.

INFORMAZIONI CIRCA LA VERIFICA:

La verifica è stata svolta in riferimento ai criteri indicati nelle norme ISO 14064-1:2018 e ISO 14064-3:2018.

Le date di conduzione della verifica sono state: **2025/04/01-03**

Il Rapporto **GHG Accounting ISO 14064-1 Anno 2024, Rev. 04 del 2025-04-02** è stato redatto sulla base di un Inventario di gas serra preparato in conformità alla norma ISO 14064-1.

Il periodo temporale di riferimento dello studio è: **Anno 2024**

I confini organizzativi sono i seguenti:

- **MOTOVARIO S.p.A.**, limitatamente alle attività e processi oggetto della presente Opinione
- sito/i compresi nella Opinione:
 - o Stabilimento produttivo di via Quattro Passi, 1/3 – 41043 – Formigine (MO)
 - o Magazzino prodotto finito e materia prima di via Giardini, 45 – 41042 – Ubersetto di Fiorano (MO)
 - o Motovario SAS (42, Rue de l'Avenir 69740 Genas - Francia)
 - o Motovario SAU (Pol. Industrial Camí del Plà - C/Costa del Plà, n.3 - 08297 Castellgalí - Spagna)
 - o Motovario GmbH (Pfützenstr. 75 64347 Griesheim - Germania)
 - o Motovario LTD (Rushock Trading Estate WR9 0NR Droitwich, Worcestershire - Regno Unito)
 - o Motovario Power Transmission (Wuxi) Co.Ltd (Room 1102, Building A, Number 568 HuaXuHighWay, QingPu District, Shanghai)
 - o Motovario Gear Solutions Private Limited (B2-12/15, Budge Budge Trunk Road, Mahestala, Kolkata – 700 143 - West Bengal - India)
 - o Motovario Corporation (1440 Bluegrass Lakes Parkway GA 30004 Alpharetta - Stati Uniti d'America)

Nella tabella di seguito si riportano le emissioni e rimozioni di gas serra oggetto di verifica suddivise per categoria di emissione:

Categorie di emissioni	tCO ₂ e	%
Emissioni e rimozioni dirette	2.168	4%
Emissioni indirette da energia importata	1.738	3%
Emissioni indirette dai trasporti	7.022	14%
Emissioni indirette dai prodotti utilizzati dall'organizzazione	41.012	79%
Emissioni indirette associate all'utilizzo dei prodotti realizzati dall'organizzazione	-	
Emissioni indirette da altre sorgenti	-	
Totale	51.951	100%

CONCLUSIONI:

Obiettivo della presente verifica è quello di fornire alle parti interessate, con un **ragionevole** livello di garanzia e una soglia di rilevanza del **0%** un giudizio professionale e indipendente che l'Inventario di gas serra di organizzazione descritto nel Rapporto GHG redatto da **MOTOVARIO S.p.A.: GHG Accounting ISO 14064-1 Anno 2024, Rev. 04 del 2025-04-02** è conforme ai requisiti della Norma ISO 14064-1 e priva di omissioni e di errori tali da determinare inesattezze rilevanti.

L'attività di verifica di TÜV Italia s.r.l. è basata su un campione rappresentativo di evidenze oggettive raccolte relativamente a quanto indicato nel Rapporto sopra indicato.

Sulla base del processo e delle procedure condotti TÜV Italia s.r.l. conclude, con livello di garanzia ragionevole e una soglia di rilevanza del **0%**, che l'asserzione relativa ai gas serra:

- è sostanzialmente corretta ed è una giusta rappresentazione dei dati e delle informazioni di GHG;
- è preparata secondo le pertinenti norme internazionali sulla quantificazione, monitoraggio e rendicontazione di GHG o sulle norme o prassi nazionali pertinenti;

L'inventario è stato sviluppato in accordo alla ISO 14064-1. Sono stati tuttavia formalizzati dei commenti che si raccomanda di prendere in considerazione per future attività della stessa tipologia.

Nota: il rilascio della presente Opinione non esonera il cliente dal rispetto delle leggi comunitarie, nazionali o locali applicabili all'attività oggetto di verifica.

Annex to the Verification Opinion nr. IT-VER-0050 Rev.00 date 2025-04-30**TYPE OF ASSIGNMENT:**

MOTOVARIO S.p.A. has appointed TÜV Italia s.r.l. for the Verification of the Greenhouse gas Inventory of the organization in compliance with the requirements of ISO 14064-1: 2018.

Details of objectives, methodologies and calculations can be found in the **MOTOVARIO S.p.A.** GHG Report:

GHG Accounting ISO 14064-1 Anno 2024, Rev. 04 del 2025-04-02

RESPONSIBILITY:

MOTOVARIO S.p.A. is responsible for the preparation of the organizational GHG Inventory covered by this Statement and for all the information contained therein.

TÜV Italia s.r.l. is the Verification Body (VB) responsible for the verification activity of the organizational GHG Inventory covered by this Statement in compliance with the requirements of ISO 14064-1: 2018 and ISO 14064-3:2018 standards.

On the basis of the verification carried out, TÜV Italia s.r.l. is responsible for formulating this Opinion.

OBJECTIVES OF THE VERIFICATION:

The objectives of this independent verification activity were:

1. Verify that the data reported are accurate, complete, consistent, transparent and free from material errors or omissions;
2. Verify that the result of the calculations of GHG emissions under study is consistent with the data used and the criteria defined in the Inventory;
3. Verify that the GHG Inventory and the Report **GHG Accounting ISO 14064-1 Anno 2024, Rev. 04 del 2025-04-02** comply with the requirements of ISO 14064-1.

INFORMATION ABOUT VERIFICATION:

The verification was carried out with reference to the criteria indicated in ISO 14064-1: 2018 and ISO 14064-3:2018.

The dates of the audit were: **2025/04/01-03**

The Report **GHG Accounting ISO 14064-1 Anno 2024, Rev. 04 del 2025-04-02**, has been prepared on the basis of a GHG Inventory prepared in accordance with ISO 14064-1.

The reference time period of the study is: **Year 2024**

The organizational boundaries are:

- **MOTOVARIO S.p.A.**, limited to the activities and processes covered by this Opinion
- Site(s) included in the Opinion:
 - o Stabilimento produttivo di via Quattro Passi, 1/3 – 41043 – Formigine (MO)
 - o Magazzino prodotto finito e materia prima di via Giardini, 45 – 41042 – Ubersetto di Fiorano (MO)
 - o Motovario SAS (42, Rue de l'Avenir 69740 Genas - Francia)
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 - o Motovario Corporation (1440 Bluegrass Lakes Parkway GA 30004 Alpharetta - Stati Uniti d'America)

The table below shows the verified greenhouse gas emissions and removals by emission category:

Emission Category	tCO ₂ e	%
Direct emission and removals	2.168	4%
Indirect emissions from imported energy	1.738	3%
Indirect emissions from transportation	7.022	14%
Indirect emissions from products used by an organization	41.012	79%
Indirect emissions associated with the use of products from the organization	-	
Indirect emissions from other sources	-	
Total	51.951	100%

CONCLUSIONS:

The objective of this audit is to provide to the interested parties, with a **reasonable** level of assurance and a **0%** materiality threshold, with a professional and independent judgment, that the organizational GHG Inventory described in the GHG Report drafted by **MOTOVARIO S.p.A.** **GHG Accounting ISO 14064-1 Anno 2024, Rev. 04 del 2025-04-02** complies with the requirements of ISO 14064-1 and is free from pervasive omissions and errors that can cause material inaccuracies.

The verification activity of TÜV Italia s.r.l. is based on a representative sample of objective evidence collected in relation to the data in the above-mentioned report.

Based on the process and procedures conducted, TÜV Italia s.r.l. concludes, with a reasonable level of assurance and a materiality threshold of **0%**, that the GHG assertion

- is substantially correct and is a fair representation of GHG data and information;
- is prepared in accordance with relevant international standards on GHG quantification, monitoring and reporting or relevant national standards or practices;

The inventory was developed in accordance with ISO 14064-1. However, some comments have been formalized which are recommended to be taken into consideration for future activities of the same type.

Note: the issue of this statement does not exempt the customer from compliance with EU, national or local laws applicable to the activity being audited.

Allegato all'Opinione di Verifica / Annex to Verification Opinion

nr. IT-VER-0050 Rev. 00 del 2025-04-30

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