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Opinion Statement



Greenhouse Gas Emissions Verification Opinion Statement

This is to verify that: Hu Lane Associate Inc.
No. 68, Huanhe St.
Xizhi Dist.
New Taipei City
221014
Taiwan

胡連精密股份有限公司
臺灣
新北市
汐止區
環河街 68 號
221014

Holds Statement No: GHGEV 797152

Verification opinion statement

As a result of carrying out verification procedures in accordance with ISO 14064-3:2006, it is the opinion of BSI with reasonable assurance that:

- The Greenhouse Gas Emissions with Hu Lane Associate Inc. for the period from 2022-01-01 to 2022-12-31 was verified, including direct greenhouse gas emissions 933.360 tonnes of CO₂ equivalent and indirect greenhouse gas emissions from imported energy 18,004.464 tonnes of CO₂ equivalent.
- No material misstatements for the period from 2022-01-01 to 2022-12-31 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 of year 2022 is 0.495 kgCO₂ per kWh.
- The emission factor for electricity of China (2022) is 0.570 kgCO₂ per kWh.
- The emission factor for electricity for Indonesia year 2022 is not published so far, the emission factor used for electricity is 0.622 kilograms of Carbon Dioxide equivalent per kWh (2021) instead which may potentially result in different Greenhouse Gas Emission estimates.
- The emission factor for electricity for Vietnam year 2022 is not published so far, the emission factor used for electricity is 0.722 kilograms of Carbon Dioxide equivalent per kWh (2021) instead which may potentially result in different Greenhouse Gas Emission estimates.

The other selected indirect GHG emissions listed in the attached table on the next page were also reported and thus verified with limited assurance, and data quality was not considered unacceptable in meeting the principles as set out in ISO 14064-1: 2018.

For and on behalf of BSI:

Managing Director BSI Taiwan, Peter Pu

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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 information reported by the organization for the period from 2022-01-01 to 2022-12-31 are as follows:

EMISSIONS		Notes	tonnes CO ₂ e
Category 1: Direct GHG emissions and removals			933.360
1.1	Stationary combustion		3.7875
1.2	Mobile combustion		321.1005
1.3	Industrial processes(anthropogenic systems)		0.0000
1.4	Fugitive(anthropogenic systems)		608.4719
1.5	Land use, land use change and forestry	N/A	-
Direct emissions in tonnes of CO ₂ e from biomass			0.0000
Category 2: Indirect GHG emissions from imported energy			18,004.464
2.1	Indirect emissions from imported electricity	location-based approach	18,004.4644
2.2	Indirect emissions from imported energy (steam, heating, cooling and compressed air)	N/A	-
Category 3: Indirect GHG emissions from transportation			2,164.270
3.1	Emissions from upstream transport and distribution for goods	air, sea and road transportation	438.5269
3.2	Emissions from Downstream transport and distribution for goods	air, sea and road transportation	1,302.3178
3.3	Emissions from Employee commuting	Estimate based on employee personnel information	395.5395
3.4	Emissions from Client and visitor transport	NS	
3.5	Emissions from Business travels	Estimated based on business travel expenses	27.8860
Category 4: indirect GHG emissions from products used by organization			40,492.058
4.1	Emissions from Purchased goods	Upstream emissions of purchased electricity, diesel, gasoline, Copper, wire, plastic, rubber	40,303.6574
4.2	Emissions from Capital goods	NS	
4.3	Emissions from the disposal of solid and liquid waste	Solid waste only	188.4002
4.4	Emissions from the use of assets	NS	
4.5	Emissions from the use of services that are not described in the above subcategories	NS	

* **NS: Non significant; N/A: Non available.**

The total emissions were verified in selected branches and representative offices, including but not limited to the following:

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Location

<p>Hu Lane Associate Inc. (Headquarters) No. 1, Ln. 342, Fude 1st Rd., Xizhi Dist. New Taipei City, 221010, Taiwan 胡連精密股份有限公司(營業地址) 221014 臺灣新北市汐止區福德一路 342 巷 1 號</p>	<p>The Greenhouse Gas Emissions with Hu Lane Associate Inc. (Headquarters) for the period from 2022-01-01 to 2022-12-31 was verified, including direct greenhouse gas emissions 173.870 tonnes of CO₂ equivalent and indirect greenhouse gas emissions from imported energy 3,408.175 tonnes of CO₂ equivalent.</p>
<p>Hu Lane Associate Inc. Hong Kong Branch. Unit 28, 20/F, Blk B, Wan Lok Ind Centre, 31 Shan Mei Street, Fo Tan, Shatin, N.T. Hong Kong 胡連精密股份有限公司-香港分公司 香港新界沙田火炭山尾街 31 號華樂工業中心 B 座 20 樓 28 室</p>	<p>The Greenhouse Gas Emissions with Hu Lane Associate Inc. Hong Kong Branch. for the period from 2022-01-01 to 2022-12-31 was verified, including direct greenhouse gas emissions 0.086 tonnes of CO₂ equivalent and indirect greenhouse gas emissions from imported energy 2.238 tonnes of CO₂ equivalent.</p>
<p>Shang Ho Industrial Co., Ltd. 6・7F., No. 268, Sec. 3, Beishen Rd., Shenkeng Dist. New Taipei City, Taiwan (R.O.C.) 上河工業股份有限公司 新北市深坑區北深路 3 段 268 號 6・7 樓</p>	<p>The Greenhouse Gas Emissions with Hu Lane Associate Inc. (Headquarters) for the period from 2022-01-01 to 2022-12-31 was verified, including direct greenhouse gas emissions 14.921 tonnes of CO₂ equivalent and indirect greenhouse gas emissions from imported energy 65.070 tonnes of CO₂ equivalent.</p>
<p>Hu Lane Electronic (Nanjing) Co., Ltd. (Business address) No.28, Laifeng Rd, Lukou Town, Jiangning Dist., Nanjing, Jiangsu, China 胡連電子(南京)有限公司(營業地址) 中華人民共和國江蘇省南京市江寧區 祿口街道來鳳路 28 號</p>	<p>The Greenhouse Gas Emissions with Hu Lane Electronic (Nanjing) Co., Ltd. for the period from 2022-01-01 to 2022-12-31 was verified, including direct greenhouse gas emissions 231.033 tonnes of CO₂ equivalent and indirect greenhouse gas emissions from imported energy 8,736.526 tonnes of CO₂ equivalent.</p>
<p>Dongguan Hu Lane Electronic Technology Co., Ltd. No.5, Gongao Yi Rd., Xiangshan Industrial Park, Xiniupo Village, Dalang Town, Dongguan, Guangdong, China 東莞胡連電子科技有限公司 中華人民共和國廣東省東莞市大朗鎮犀牛陂村 象山工業園公四一路 5 號</p>	<p>The Greenhouse Gas Emissions with Dongguan Hu Lane Electronic Technology Co., Ltd. for the period from 2022-01-01 to 2022-12-31 was verified, including direct greenhouse gas emissions 139.885 tonnes of CO₂ equivalent and indirect greenhouse gas emissions from imported energy 3,495.323 tonnes of CO₂ equivalent.</p>
<p>Dongguan Hu Lane Puguang Trading Co., Ltd. No.7, Gongao Yi Rd., Xiangshan Industrial Park, Xiniupo Village, Dalang Town, Dongguan, Guangdong, China 東莞胡連普光貿易有限公司 中華人民共和國廣東省東莞市大朗鎮犀牛陂村象山工業園公四一路 7 號</p>	<p>The Dongguan Hu Lane Puguang Trading Co., Ltd. with Hu Lane Associate Inc. for the period from 2022-01-01 to 2022-12-31 was verified, including direct greenhouse gas emissions 170.537 tonnes of CO₂ equivalent and indirect greenhouse gas emissions from imported energy 20.146 tonnes of CO₂ equivalent.</p>
<p>Jiaxing Shang Ho Electrics Technology Co., Ltd. No. 68, Taojing Road, Xiuzhou District, Jiaxing City, Zhejiang Province, China 嘉興上河電子科技有限公司 中華人民共和國浙江省嘉興市秀洲區陶涇路 68 號</p>	<p>The Greenhouse Gas Emissions with Jiaxing Shang Ho Electrics Technology Co., Ltd. for the period from 2022-01-01 to 2022-12-31 was verified, including direct greenhouse gas emissions 67.815 tonnes of CO₂ equivalent and indirect greenhouse gas emissions from imported energy 220.507 tonnes of CO₂ equivalent.</p>
<p>Hu Lane Electronic (Vietnam) Co., Ltd. Lot XN 28 and 32, Dai An Industrial Zone, Tu Minh Ward, Hai Duong City, Hai Duong Province, Viet Nam 胡連電子(越南)責任有限公司 越南海陽省海陽市四明坊大安工業區 XN 28 和 32 號</p>	<p>The Greenhouse Gas Emissions with Hu Lane Electronic (Vietnam) Co., Ltd. for the period from 2022-01-01 to 2022-12-31 was verified, including direct greenhouse gas emissions 68.143 tonnes of CO₂ equivalent and indirect greenhouse gas emissions from imported energy 1,837.277 tonnes of CO₂ equivalent.</p>
<p>PT. HuLane Tech Manufacturing Jl. Jababeka II E Blok C No. 16 I-J, Cikarang Industrial Estate Phase 1, Cikarang Bekasi 17530 Jawa Barat, Indonesia 胡連科技製造有限責任公司 C 座 16I-J 號, Jababeka II E 路, 北西卡朗地區, 貝卡西攝政, 西瓜哇, 印度尼西亞, 17530</p>	<p>The Greenhouse Gas Emissions with PT. HuLane Tech Manufacturing for the period from 2022-01-01 to 2022-12-31 was verified, including direct greenhouse gas emissions 67.070 tonnes of CO₂ equivalent and indirect greenhouse gas emissions from imported energy 219.203 tonnes of CO₂ equivalent.</p>