

bsi.

Opinion Statement



Greenhouse Gas Emissions Verification Opinion Statement

This is to verify that: ZIG SHENG INDUSTRIAL CO., LTD.
2F, No. 70, Xining N. Rd.
Datong Dist.
Taipei City
103601
Taiwan

集盛實業股份有限公司
台灣
台北市
大同區
西寧北路 70 號 2 樓
103601

Holds Statement No: GHGEV 1901

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 ZIG SHENG INDUSTRIAL CO., LTD. for the period from 2020-01-01 to 2020-12-31 is 168,115.937 tonnes of CO₂ equivalent, including scope 1 emissions 33,378.9105 tonnes of CO₂ equivalent and scope 2 emissions 134,737.0265 tonnes of CO₂ equivalent.
- No material misstatements for the period from 2020-01-01 to 2020-12-31 Greenhouse Gas Emissions calculation were revealed.
- Data quality was considered acceptable in meeting the principles as set out in ISO 14064-1:2006.
- The emission factor for electricity of year 2020 is 0.502 kgCO₂ per kWh.
- The electricity and steam used by DAYUAN 5th Factory district are provided by TA-YUAN COGEN CO., LTD., and the latest emission factor is 0.8155307065 kgCO₂ per kWh and 0.2712699629 tCO₂e per tonne.

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

For and on behalf of BSI:

Managing Director BSI Taiwan, Peter Pu

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Validation and Verification
VB 001

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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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Verification Information

<p>ZIG SHENG INDUSTRIAL CO., LTD. 2F, No. 70, Xining N. Rd., Datong Dist. Taipei City, 103601, Taiwan 集盛實業股份有限公司 103601 台北市大同區西寧北路 70 號 2 樓</p>	<p>The Greenhouse Gas Emissions with ZIG SHENG INDUSTRIAL CO., LTD. for the period from 2020-01-01 to 2020-12-31 is 168,115.937 tonnes of CO₂ equivalent, including scope 1 emissions 33,378.9105 tonnes of CO₂ equivalent and scope 2 emissions 134,737.0265 tonnes of CO₂ equivalent.</p>
<p>KWEI SHAN 1st Factory district No. 60, 60-1, Dongwanshou Rd., Xinling Li, Kweishan Dist. Taoyuan City, 333025, Taiwan 龜山一廠 333025 台灣桃園市龜山區新嶺里東萬壽路 60、60-1 號</p>	<p>The Greenhouse Gas Emissions with KWEI SHAN 1st Factory district for the period from 2020-01-01 to 2020-12-31 is 13,325.2562 tonnes of CO₂ equivalent, including scope 1 emissions 113.8210 tonnes of CO₂ equivalent and scope 2 emissions 13,211.4352 tonnes of CO₂ equivalent.</p>
<p>KUAN YIN 2nd Factory district No. 552, Sec. 1, Chenggong Rd., Kuanyin Dist. Taoyuan City, 328453, Taiwan 觀音二廠 328453 台灣桃園市觀音工業區成功路一段 522 號</p>	<p>The Greenhouse Gas Emissions with KUAN YIN 2nd Factory district for the period from 2020-01-01 to 2020-12-31 is 37,514.4428 tonnes of CO₂ equivalent, including scope 1 emissions 14,305.4386 tonnes of CO₂ equivalent and scope 2 emissions 23,209.0042 tonnes of CO₂ equivalent.</p>
<p>KUAN YIN 3th Factory district (dormitory incl.) No. 506, Sec. 1, Chenggong Rd., Kuanyin Dist. Taoyuan City, 328453, Taiwan 觀音三廠 328453 台灣桃園市觀音工業區成功路一段 506 號</p>	<p>The Greenhouse Gas Emissions with KUAN YIN 3rd Factory district (dormitory incl.) for the period from 2020-01-01 to 2020-12-31 is 65,598.0379 tonnes of CO₂ equivalent, including scope 1 emissions 16,788.1261 tonnes of CO₂ equivalent and scope 2 emissions 48,809.9118 tonnes of CO₂ equivalent.</p>
<p>KUAN YIN 4th Factory district No. 2, Ronggong S. Rd., Kuanyin Dist. Taoyuan City, 328453, Taiwan 觀音四廠 328453 台灣桃園市觀音區榮工南路 2 號</p>	<p>The Greenhouse Gas Emissions with KUAN YIN 4th Factory district for the period from 2020-01-01 to 2020-12-31 is 4,720.2690 tonnes of CO₂ equivalent, including scope 1 emissions 33.6465 tonnes of CO₂ equivalent and scope 2 emissions 4,686.8728 tonnes of CO₂ equivalent.</p>
<p>DAYUAN 5th Factory district No. 17, Dagong Rd., Dayuan Dist. Taoyuan City, 337053, Taiwan 大園五廠 337053 桃園市大園區大工路 17 號</p>	<p>The Greenhouse Gas Emissions with DAYUAN 5th Factory district for the period from 2020-01-01 to 2020-12-31 is 46,957.6808 tonnes of CO₂ equivalent, including scope 1 emissions 2,137.8783 tonnes of CO₂ equivalent and scope 2 emissions 44,819.8025 tonnes of CO₂ equivalent.</p>

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The elected scope 3 emissions 20,866.2064 tonnes of Carbon Dioxide equivalent were also reported and hence verified with limited assurance, which include the following :

Locations	Upstream emissions of purchased electricity (tonnes of CO ₂ e)
KWEI SHAN 1st Factory district 龜山一廠	2,429.1145
KUAN YIN 2nd Factory district 觀音二廠	4,267.3129
KUAN YIN 3rd Factory district (dormitory incl.) 觀音三廠	8,974.4121
KUAN YIN 4th Factory district 觀音四廠	861.7497
DAYUAN 5th Factory district 大園五廠	4,333.6172

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