Opinion Statement

Greenhouse Gas Emissions
Verification Opinion Statement

This is to verify that: Advanced Semiconductor Engineering Inc.
Chung-Li Branch
No. 550
Chung-Hwa Rd. Sec. 1
Chung-Li Dist.
Taoyuan City
320411
Taiwan

日月光半導體製造股份有限公司
中壢分公司
臺灣
桃園市
中壢區
中華路一段
550 號
320411

Holds Statement No: GHGEV 1885

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 Advanced Semiconductor Engineering Inc. Chung-Li Branch for the period from 2020-01-01 to 2020-12-31 was verified, including direct greenhouse gas emissions 2,933.1989 tonnes of CO_2 equivalent and indirect greenhouse gas emissions from imported energy emissions 249,620.3463 tonnes of CO_2 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 14064-1:2018.
- The emission factor for electricity for the year 2020 is not published by Taiwan government so far, the emission factor used for electricity is 0.509 kilograms of Carbon Dioxide equivalent per kWh 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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The greenhouse gas emissions information reported by the organization for the period from 2020-01-01 to 2020-12-31 is as follows:

EMISSIONS		Notes	tonnes CO_2e
Category 1: Direct GHG emissions and removals			**2,933.1989**
1.1	Stationary combustion		279.9588
1.2	Mobile combustion		175.4121
1.3	Industrial processes(anthropogenic systems)		1,299.6526
1.4	Fugitive(anthropogenic systems)		1,178.1754
1.5	Land use, land use change and forestry		0.000
Direct emissions in tonnes of CO_2e from biomass			0.000
Category 2: Indirect GHG emissions from imported energy			**249,620.3463**
2.1	Indirect emissions from imported electricity	location-based approach	249,620.3463
2.2	Indirect emissions from imported energy (steam, heating, cooling and compressed air)		0.0000
Category 3: Indirect GHG emissions from transportation			**18,178.9486**
3.1	Emissions from upstream transport and distribution for goods	Estimated based on the organization's own methodology	14,990.3602
3.2	Emissions from Downstream transport and distribution for goods	land transportation only	91.7880
3.3	Emissions from Employee commuting		3,075.3512
3.4	Emissions from Client and visitor transport	NS	-
3.5	Emissions from Business travels		21.4493
Category 4: indirect GHG emissions from products used by organization			**719,219.2827**
4.1	Emissions from Purchased goods	Estimated based on the organization's own methodology	600,974.6178
		Fuel- and energy-related activities (not included in scope 1 or scope 2)	53,573.0862
4.2	Emissions from Capital goods		63,187.8490
4.3	Emissions from the disposal of solid and liquid waste	Waste transportation included	1,443.9402
4.4	Emissions from the use of assets		39.7895
4.5	Emissions from the use of services that are not described in the above subcategories	N/A	N/A

* NS: Non significant; N/A: Not applicable

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Location	Verification Information
Advanced Semiconductor Engineering Inc. Chung-Li Branch No. 550 Chung-Hwa Rd. Sec. 1 Chung-Li Dist. Taoyuan City 320411 Taiwan 日月光半導體製造股份有限公司 中壢分公司 臺灣 桃園市 中壢區 中華路一段 550 號 320411	The Greenhouse Gas Emissions with Advanced Semiconductor Engineering Inc. Chung-Li Branch for the period from 2020-01-01 to 2020-12-31 was verified, including direct greenhouse gas emissions 2,933.1989 tonnes of CO_2 equivalent and indirect greenhouse gas emissions from imported energy emissions 249,620.3463 tonnes of CO_2 equivalent.

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