

Independent Assurance Report

Mr. Takashi Iizumi
Representative Director and President
Hitachi High-Tech Corporation

We, SOCOTEC Certification Japan (hereafter “SOCOTEC”), have performed a limited assurance engagement, in relation to Hitachi High-Tech Corporation (hereafter “the Company”) in order to provide an opinion as to whether the subject matter information (“Calculation Report of Hitachi High-Tech Corporation FY2021 GHG Emissions and Environmental Performance Data (Guaranteed)” (period: 1 April 2021 to 31 March 2022)) of the Company meets the criteria in all material respects.

1 Subject Matter Information and Criteria

The subject matter information for our assurance is “a report on GHG Emissions and Environmental Performance Data (shown in APPENDIX)” covering the operations and activities of the Company’s domestic sites and consolidated domestic and overseas group companies described in “Calculation Report of Hitachi High-Tech Corporation FY2021 GHG Emissions and Environmental Performance Data (Guaranteed)” (period: 1 April 2021 to 31 March 2022).

The criteria for preparing subject matter information is “GHG Emissions Calculation Rule (Ver2.3)”.

2 Management Responsibility

“Calculation Report of Hitachi High-Tech Corporation FY2021 GHG Emissions and Environmental Performance Data (Guaranteed)” (period: 1 April 2021 to 31 March 2022) was prepared by the management of the Company, who is responsible for the integrity of the assertions, statements, and claims made therein (including the assertions over which we have been engaged to provide limited assurance), the collection, quantification and presentation of all data and information in the report, and applied criteria, analysis and publication.

The management of the Company is responsible for maintaining adequate records and internal controls that are designed to support the reporting process and ensure that “Calculation Report of Hitachi High-Tech Corporation FY2021 GHG Emissions and Environmental Performance Data (Guaranteed)” (period: 1 April 2021 to 31 March 2022) is free from material misstatement whether due to fraud or error.

3 Assurance Practitioner’s Responsibility

The responsibility of SOCOTEC is to express a limited assurance conclusion as to whether the subject matter information has been prepared in compliance with the criteria in all material respects.

SOCOTEC performed limited assurance engagement in accordance with the verification procedures stipulated by SOCOTEC and “ISO14064-3: Specification with guidance for the verification and validation of greenhouse gas statements” and the International Standard on Assurance Engagements (ISAE) 3000 (Revised), “Assurance Engagements Other than Audits or Reviews of Historical Financial Information” of International Auditing and Assurance Standards Board (IAASB).

The procedures implemented in the limited assurance engagement are limited in their type, timing and scope as compared to the procedures implemented in the reasonable assurance engagement. As a result, our limited assurance engagement does not provide as high assurance as reasonable assurance engagement.

Our procedures performed depend on the assurance professional practitioner’s judgement, including the risk of material misstatement, whether due to fraud or error. Our conclusion was not designed to provide assurance on internal controls. We believe that we have obtained the evidence to provide a basis for the conclusion for limited assurance.

4 Assurance Procedures

The procedures that SOCOTEC has conducted are based on professional judgment and include, but are not limited to:

- Evaluation of policies and procedures created by the Company in relation to subject matter information
- Questions to the Company personnel to understand the above policies and procedures
- Verification that the target project meets eligibility requirements
- Matching with the basis data by trial calculation and recalculation
- Obtaining and collating material for important assumptions and other data
- We visited Head Office of the Company, Hitachi High-Tech Fine Systems Corporation, Hitachi High-Tech Manufacturing & Service Corporation and Hitachi High-Tech Solutions Corporation Mito Division as verification sites in order to confirm the calculation structure and procedures, data collection and implementation status of record control.

5 Statement of Our Independence, Quality Control and Competence

SOCOTEC has introduced and maintained a comprehensive management system that conforms to the accreditation requirements of "ISO17021 Conformity assessment – Requirements for bodies providing audit and certification of management systems". In addition, we have also established a management system according to "ISO14065 Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition". These meet the requirements of International Standard on Quality Control 1 by the International Auditing and Assurance Standards Board and Code of Ethics for Professional Accountants by International Ethics Standards Board for Accountants. We maintain a comprehensive quality control system that includes ethical rules, professional standards and documented policies and procedures for compliance with applicable laws and regulations.

The SOCOTEC Group is a comprehensive third-party organisation in inspection, testing and certification operations, and conducts management system certification services and training services related to quality, environment, labour and information security in countries around the world. Engaged in performance data and sustainability report assurance of environmental and social information, SOCOTEC affirms that it is independent of the organisation that has ordered the assurance engagement, its affiliated companies, and stakeholders, and that there is no possibility of impairing impartiality or conflict of interest.

We assure that the team engaged in the assurance is selected based on knowledge, experience in the relevant industry, and the competence requirements for this assurance engagement.

6 Use of Report

Our responsibility in performing our limited assurance activities is to the management of the Company only in accordance with the terms for this engagement as agreed with the Company. We do not therefore assume any responsibility for any other purpose or to any other person or organisation.

7 Our Conclusion

On the basis of our procedures performed and evidence obtained nothing has come to our attention that causes us to believe that the subject matter information is not, in all material respects, prepared and reported in accordance with the stated criteria.

SOCOTEC Certification Japan



Seigo Futaba
Managing Director
25 July 2022

GHG Emissions and Environmental Performance Data

Table 1 GHG emissions (Scope 1, 2, 3)

Scope	Location-based [t-CO ₂ e]	Market-based [t-CO ₂ e]
Scope 1	7,004	—
Scope 2	52,268	36,321
Scope 2(domestic)	43,907	28,413
Scope 2 (outside Japan)	8,361	7,908
Scope 3	1,733,038	—

Table 2 GHG emissions (Scope 3 breakdown by category)

* The Scope 3 values are the aggregate results for each category, including values smaller than decimal place, and do not apparently match the aggregate results for each category.

Category No.	Category	Emissions [t-CO ₂ e]
Category 1	Purchased goods and services	874,226
Category 2	Capital goods	48,578
Category 3	Fuel-and-energy-related activities (not included in Scope 1 or 2)	8,650
Category 4	Upstream transportation and distribution	7,172
Category 5	Waste generated in operations	721
Category 6	Business travel	1,469
Category 7	Employee commuting	6,589
Category 9	Downstream transportation and distribution	5,828
Category 11	Use of sold products	774,264
Category 12	End of life treatment of sold products	5,540
Total	—	1,733,038

Table 3 Environmental performance data

Category	Subject	Volumes	Unit
GHG	Volume of CO2 emissions from domestic sites (CO2 form energy sources) [Market-based]	29,383	t-CO2e
	Volume of CO2 emissions outside Japan (CO2 form energy sources)	8,863	t-CO2e
	Energy usage in Japan (Crude oil equivalent)	26,465	kL
	Energy usage outside Japan (Crude oil equivalent)	5,351	kL
Waste	Volume of waste generated from manufacturing sites in Japan	2,147	t
	Waste disposal ratio in Japan	0.06	%
	Volume of waste generated outside Japan	55	t
Water	Water withdrawals from domestic sites	401,227	m ³
	Water withdrawals outside Japan	83,782	m ³
	Water discharges from domestic sites (including consumption)	401,227	m ³
	Water discharges outside Japan (including consumption)	83,782	m ³
	Water withdrawals from domestic sites - volumes by source	401,227	m ³
	Water discharges from domestic sites (including consumption) - volumes by destination	401,227	m ³
	Water withdrawals outside Japan - volumes by source	83,782	m ³
	Water discharges outside Japan (including consumption) - volumes by destination	83,782	m ³
Chemicals	Volume of VOC emissions in Japan	3.8	t