

LR Independent Assurance Statement

Relating to Synopsys Inc's GHG Inventory for Calendar Year 2020

This Assurance Statement has been prepared for Synopsys Inc. (Synopsys)

Terms of Engagement

Lloyd's Register Quality Assurance (LR) was commissioned to provide independent assurance of Synopsys' greenhouse gas (GHG) emissions inventory and energy data for Calendar Year 2020 ("the Inventory"). The assurance engagement was performed against the criteria listed below to a limited level of assurance and materiality of the professional judgement of the verifier. The assurance standards used were ISO 14064 - Part 3 for GHG emissions and LR's verification procedure for non-GHG data. LR's verification procedure is based on current best practice and is in accordance with ISAE 3000.

Our assurance engagement covered Synopsys' worldwide operations and activities. The objectives of the engagement were to:

- Verify conformance with the following criteria:
 - Synopsys' reporting methodologies for the selected data sets;
 - World Resources Institute / World Business Council for Sustainable Development Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard, Revised Edition (otherwise referred to as the WRI/WBCSD GHG Protocol) for the GHG data¹.
- Evaluate the accuracy and reliability of data and information for the selected indicators listed below:
 - Direct (Scope 1), Energy Indirect (Scope 2) and Other Indirect (Scope 3) GHG emissions;
 - Scope 3 GHG emissions included Business Travel only
 - Energy Use from Purchased Electricity

LR's responsibility is only to Synopsys through our contract for the engagement. LR disclaims any liability or responsibility to others as explained in the end footnote. Synopsys' responsibility is for collecting, aggregating, analysing and presenting the Inventory Data and for maintaining effective internal controls over the systems from which the Inventory is derived. Ultimately, the Inventory has been approved by, and remains the responsibility of, Synopsys.

LR's Opinion

Based on LR's approach, except for the effect of the matters described in the Basis for Qualified Opinion, nothing has come to our attention that would cause us to believe that Synopsys has not, in all material respects:

- Met the requirements of the criteria listed above; and
- Disclosed accurate and reliable performance data and information as summarized in the Tables 1 below.

The opinion expressed is formed on the basis of a limited level of assurance, in accordance with ISO 14064 - Part 3² and at the materiality of the professional judgement of the verifier.

Basis for Qualified Opinion

Synopsys omitted to include data for two sites under operational control for two months of the calendar year. The results of the omission do not materially affect the reported inventory.

¹ <http://www.ghgprotocol.org/>

² The extent of evidence-gathering for a limited assurance engagement is less than for a reasonable assurance engagement. As set forth in ISO 14064 - Part 3, limited assurance engagements focus on aggregated data rather than physically checking source data at sites. Consequently, the level of assurance obtained in a limited assurance engagement is lower than the assurance that would have been obtained had a reasonable assurance engagement been performed.

Table 1. Summary of Synopsys' GHG Emissions for CY2020:

Scope of GHG emissions	Quantity	Units
Scope 1 GHG emissions	2,749	Tonnes CO ₂ e
Scope 2 GHG emissions (Location-based)	29,865	Tonnes CO ₂ e
Scope 2 GHG emissions (Market-based)	22,244	Tonnes CO ₂ e
Scope 3 GHG emissions - Business Travel	6,190	Tonnes CO ₂ e
Energy Use from Purchased Electricity	98,568	MWh
Note 1: Scope 2, Location-based and Scope 2, Market-based are defined in the WRI/WBCSD GHG Protocol Scope 2 Guidance, 2015		

LR's Approach

LR's assurance engagements are carried out in accordance with ISAE 3000 verification procedure. The following tasks were undertaken as part of the evidence gathering process for this assurance engagement:

- reviewing of organizational boundaries, operational boundaries, and data management processes,
- interviewing representatives of the organization responsible for managing data and records,
- completing a strategic assessment/risk analysis of each data set to determine an adequate sample,
- recalculating sampled sources to confirm accuracy and conformance with the reporting criteria; and
- verifying data and records at an aggregated level for Calendar Year 2020.

LR's Standards, Competence and Independence

LR implements and maintains a comprehensive management system that meets accreditation requirements for ISO 14065 *Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition* and ISO/IEC 17021 *Conformity assessment – Requirements for bodies providing audit and certification of management systems* that are at least as demanding as the requirements of the International Standard on Quality Control 1 and comply with the *Code of Ethics for Professional Accountants* issued by the International Ethics Standards Board for Accountants.

LR ensures the selection of appropriately qualified individuals based on their qualifications, training and experience. The outcome of all verification and certification assessments is then internally reviewed by senior management to ensure that the approach applied is rigorous and transparent.

Signed



David Hadlet

Dated: 26 July 2021

On behalf of Lloyd's Register Quality Assurance, Inc., 1330 Enclave Parkway, Suite 200, Houston, TX 77077
LR reference: UQA00001885 / 4551980

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