

# LR Independent Assurance Statement

## Relating to Trane Technologies GHG & EHS Data Calendar Year 2020

This Assurance Statement has been prepared for Trane Technologies Company LLC (Trane Technologies) in accordance with our contract.

### Terms of Engagement

Lloyd's Register Quality Assurance, Inc. (LR) was commissioned by Trane Technologies to provide independent assurance on its assertion for the Calendar Year 2020 against the assurance criteria below to a limited level of assurance and a materiality based on the verifier's professional judgment using LR's verification procedure for non-GHG data and ISO 14064 - Part 3 for greenhouse gas (GHG) data. LR's verification procedure is based on current best practise and is in accordance with ISAE 3000 and ISAE 3410.

Our assurance engagement covered Trane Technologies' global operations and specifically the following requirements:

- Verifying conformance with:
  - 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 data<sup>1</sup>;
- Confirming specific sites' use of 100% renewable power; and
- Evaluating the accuracy and reliability of data and information for only the selected indicators listed below:
  - Direct (Scope 1), Energy Indirect (Scope 2) and Other Indirect (Scope 3) GHG;
    - Scope 3 GHG emissions verified by LR only include Business Air Travel.
  - Energy Use;
  - Water consumption;
  - Waste generated;
  - VOC Emissions; and
  - Safety Metrics

Our assurance engagement excluded the data and information of Trane Technologies' suppliers, contractors and any third-parties mentioned in the report.

LR's responsibility is only to Trane Technologies. LR disclaims any liability or responsibility to others as explained in the end footnote. Trane Technologies' responsibility is for collecting, aggregating, analysing and presenting all the data and information within the Assertion and for maintaining effective internal controls over the systems from which the Assertion is derived. Ultimately, the Assertion has been approved by, and remains the responsibility of Trane Technologies.

### 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 Trane Technologies 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 Tables 1, 2 and 3 below.

The opinion expressed is formed on the basis of a limited level of assurance<sup>2</sup> and at the materiality of the professional judgement of the verifier.

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<sup>1</sup> <http://www.ghgprotocol.org/>

<sup>2</sup> The extent of evidence-gathering for a limited assurance engagement is less than for a reasonable assurance engagement. 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.

### Basis for Qualified Opinion

Non-hydrofluorocarbons (HFCs) and volatile organic compounds (VOCs) are included in the total direct GHG emissions. The inclusion of these non-Kyoto greenhouse gases is not material.

**Table 1. Summary of GHG Emissions**

Scope	GHG Emissions (Metric Ton CO2e)
Scope 1 GHG Emissions	273,621
Scope 2 GHG Emissions (Location-based)	139,193
Scope 2 GHG Emissions (Market-based)	75,149
Scope 3 – Employee Air Travel	3,788

**Table 2. Summary of Environmental Health and Safety (EHS) Metrics**

EHS Metrics	Value	Units
Fuel Energy	1,621	Billion BTU
Electricity	1,043	Billion BTU
Total (Fuel + Electricity)	2,663	Billion BTU
Total Water Used	734	Million Gallons
Water Used at Stressed Water Locations	59.8	Million Gallons
Hazardous Waste Generated	873	Metric Tons
Non-Hazardous Waste Generated (including recyclables)	30,692	Metric Tons
Direct VOC Air Emissions	213	Metric Tons
Total Days Away From Work (DAFW)	0.07	per 200,000 hours
DAFW Employees	0.08	per 200,000 hours
DAFW Contingent & Temporary	0.05	per 200,000 hours
Total DAFW	0.37	Per million hours
DAFW Employees	0.38	Per million hours
DAFW Contingent & Temporary	0.24	Per million hours
Total Recordable Incident Rate	0.79	
Number of Fatalities	0	
Occupational Illness Frequency Rate	0	

**Table 3. Trane Technologies Sites Operating with 100% Renewable Electricity for CY 2020**

Location	Type	Location	Type
Atlanta, GA, USA	Distribution Center	Hastings, NE, USA	Manufacturing
Bridgeston Enterprise Way, MO, USA	Distribution Center	Kolin, Czech Republic	Manufacturing
Bridgeston, MO, USA	Distribution Center	Pueblo, CO, USA	Manufacturing
Barcelona, Spain	Manufacturing	Shannon, Ireland	Manufacturing
Essen, Germany	Manufacturing	Tyler, TX, USA	Manufacturing
Freemont, OH, USA	Manufacturing	Waco, TX, USA	Manufacturing
Galway, Ireland	Manufacturing	Prague, Czech Republic	Technology Center
Grand Rapid, MI, USA	Manufacturing		

### LR's Approach

LR's assurance engagements are carried out in accordance with our 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 relevant staff of the organization responsible for managing data and records,
- completing a strategic assessment/risk analysis of each data set to determine an adequate sample, 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

Dated: March 22, 2021



Heather I. Moore, P.E.

LR Lead Verifier

On behalf of LRQA, Inc. 1330 Enclave Pkwy #200, Houston, TX 77077

LR reference: UQA00001715 / 4228576

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