



# LRQA Independent Assurance Statement

## Relating to Trane Technologies GHG & EHS Data Calendar Year 2021

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

### Terms of Engagement

LRQA was commissioned by Trane Technologies to provide independent assurance on its assertion for the Calendar Year 2021 against the assurance criteria below to a limited level of assurance and a materiality based on the verifier's professional judgment using LRQA's verification procedure for non-GHG data and ISO 14064 - Part 3 for greenhouse gas (GHG) data. LRQA'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 the 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>;
- Reviewing whether the assertion has taken account of the GRI Standards for non-GHG data;
- 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 include Business Air Travel and Use of Products Sold.
  - Energy Use;
  - Water consumption;
  - Waste generated;
  - VOC Emissions; and
  - Safety Metrics

LRQA's responsibility is only to Trane Technologies. LRQA 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.

Based on LRQA'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 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 the Tables 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/>



**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 for CY 2021**

Scope	Value	Units
<b>Scope 1 GHG Emissions</b>	257,632	Metric Ton CO2e
<b>Scope 2 GHG Emissions (Location-based)</b>	137,264	Metric Ton CO2e
<b>Scope 2 GHG Emissions (Market-based)</b>	61,086	Metric Ton CO2e
<b>Scope 3 – Business Air Travel</b>	1,895	Metric Ton CO2e
<b>Scope 3 – Use of Products Sold</b>	366	Million Metric Ton CO2e

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

EHS Metrics	Value	Units
<b>Fuel Energy</b>	1,712	Billion BTU
<b>Electricity</b>	1,079	Billion BTU
<b>Total (Fuel + Electricity)</b>	2,791	Billion BTU
<b>Total Water Used</b>	767	Million Gallons
<b>Water Used at Stressed Water Locations</b>	64	Million Gallons
<b>Hazardous Waste Generated</b>	1,043	Metric Tons
<b>Non-Hazardous Waste Generated (including recyclables)</b>	31,826	Metric Tons
<b>Direct VOC Air Emissions</b>	211	Metric Tons
<b>Total Days Away From Work (DAFW)</b>	0.10	per 200,000 hours
<b>DAFW Employees</b>	0.09	per 200,000 hours
<b>DAFW Contingent &amp; Temporary</b>	0.23	per 200,000 hours
<b>Total DAFW</b>	0.51	Per million hours
<b>DAFW Employees</b>	0.44	Per million hours
<b>DAFW Contingent &amp; Temporary</b>	1.17	Per million hours
<b>Total Recordable Incident Rate</b>	0.95	per 200,000 hours
<b>Number of Fatalities</b>	0	
<b>Occupational Illness Frequency Rate</b>	0	

**Table 3. Trane Technologies Sites Operating with 100% Renewable Electricity for CY 2021**

Location	Type	Location	Type
Grand Rapids, MI, USA	Manufacturing	Bridgeton Enterprise Way, MO, USA	Warehouse
Lynn Haven, FL, USA	Manufacturing	Bridgeton, MO-USA	Warehouse
Newberry, SC, USA	Manufacturing	Arecibo, Puerto Rico	Manufacturing
Pueblo, CO, USA	Manufacturing	Freemont, OH, USA	Manufacturing

<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.



Location	Type	Location	Type
Rushville, IN, USA	Manufacturing	Hastings, NE, USA	Manufacturing
Waco, TX, USA	Manufacturing	Barcelona, Spain	Manufacturing
Prague, Czech Republic	Technology Center	Essen, Germany	Manufacturing
Tyler, TX, USA	Manufacturing	Galway, Ireland	Manufacturing
Vidalia, GA, USA	Manufacturing	Kolin, Czech Republic	Manufacturing
Atlanta, GA, USA	Warehouse	Shannon, Ireland	Warehouse

**LRQA’s Approach**

LRQA’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 2021.

**LRQA’s Standards, Competence and Independence**

LRQA 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.

LRQA 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: 29 March 2022

Marisol Bacong  
 LRQA Lead Verifier  
 On behalf of LRQA, Inc. 1330 Enclave Pkwy #200, Houston, TX 77077  
 LRQA reference: UQA00001715 / 4978766

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