



# **Environmental Data Disclosure**

## **CiaraTech**

**Civil Year 2021**

**QA and Sustainability**

March 2022

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## 1. General and Introduction

Our environmental responsibility goal at Ciaratech has been always to become more efficient in how we create and deliver technology solutions worldwide. It extends through our supply chain, where we work to ensure the consistency, transparency and environmental stewardship are realized. We aim to reduce our energy consumption, our environmental impact such as our carbon footprint and the reduce of our water consumption.

Ciaratech is committed to continually improving environmental performance while consistently meeting our customer’s requirements as well as applicable legal requirements to our products and services.

Ciaratech aligns processes to achieve compliance with these commitments by implementing and maintaining an Integrated Management System (“IMS”), forming an integral part of the company’s business strategy, and designed to meet the requirements of ISO 9001, ISO 14001 and ISO 45001.

Theses certifications aims to reduce our energy, water and carbon footprint.

We are also committed to report under the ESG score and CDP which allow us to track our metrics and initiate reductions.

Ciaratech facility is also Boma Best certified Gold which an important Canadian Standards for sustainable building and we also are certified in the Supply Chain Responsibility and Bulk Packaging Policy for PC Systems which demonstrate that Ciaratech tackle the sustainability question beyond the scope of the facility.

General Information	
<b>Representative</b>	Ali Khosroshahi, Senior Manager, Quality Assurance and Sustainability <a href="mailto:akhosroshahi@hypertec.com">akhosroshahi@hypertec.com</a> , Tel: 514.707.2236
<b>System</b>	Environmental_ One site
<b>Address</b>	9300 Trans-Canada Highway, Saint-Laurent, Québec, Canada, H4S 1K5
<b>Assessment Scope</b>	Portion of the building located at 9300 Trans-Canada Highway, Saint-Laurent, Québec, Canada, H4S 1K5 where CiaraTech has significant responsibility for the design and manufacture of declared products conforming to the IEEE 1680.1:2018 standard. Consequently, this part of the building excludes portion rented to other companies. Disclosure of standard(s) and/or framework(s) used for the calculations and reporting, where applicable, or the standard or framework used to achieve third party
<b>Assessment Reference/ Criteria</b>	IEEE 1680.1 (2018) standard, requirements of criterion 4.9.2.1. The environmental data reported by Ciara Inc. on the following aspects <ul style="list-style-type: none"> <li>•Water use and/or consumption</li> <li>•Energy use</li> <li>•Scope 1, and Scope 2 greenhouse gas emissions</li> </ul>

	ISO 14064-3 Green gases – Part 3: Specification with guidance for the verification and validation of greenhouse gas statements. GRI 301: Materials, GRI 302: Energy 2016, GRI 303: Water and Effluents 2018, and GRI 305: Emissions 2016
<b>Date</b>	March 30 <sup>th</sup> , 2022

## 2. Site in Evaluation Scope

<b>Company name</b>	<b>Hypertec Ciara Inc.</b>
<b>Address</b>	9300 Trans-Canada Highway, Saint-Laurent, Québec, Canada, H4S 1K5
<b>Locations included</b>	One site only

## 3. Scope of Products

- Astro PB62
- Horizon D10170
- Horizon D10500
- Horizon D10750
- Horizon D11170
- Horizon D11560
- Horizon D11750
- Horizon T10170
- Horizon T10500
- Horizon T10750
- Horizon T11170
- Horizon T11560
- Horizon T11750
- Kronos 540
- Kronos 545

## 4. Facility zones with significant responsibility for design and manufacture of products

The facility located at the 9300 Trans-Canada Highway, Saint-Laurent, Québec, Canada is a CiaraTech’s property.

Measured and monitored information regarding the water consumption, energy use and scope 1, and scope 2 greenhouse gas emissions take exclusive account of the building portion used by CiaraTech’s activities.

All the activities, implemented processes by CiaraTech and building zones used by the organization are included in the monitored information regarding water consumption, energy use, and scope 1 and scope 2 greenhouse gas emissions, that are used for calculations and for reporting. The facility zones are:

- Reception
- Corridors
- Production
- Warehouse
- Utilities
- Cafeteria
- Gym
- Labs
- Shipping and receiving
- Offices

## 5. Standard(s) / framework(s) used to monitor and for the calculations and reporting

All activities and processes implemented by CiaraTech, in addition to all building zones of the organisation identified above are included in the assessment process of water use and/or consumption, energy use and scope 1 and scope 2 greenhouse gas emissions.

Environmental aspect	Assessment Description
<b>Water use and/or consumption</b>	Internal verification made by designated CiaraTech's employee and information on water meter's bills and readings
<b>Energy use</b>	Internal verification made by designated CiaraTech's employee
<b>Scope 1 and Scope 2 greenhouse gas emissions</b>	Internal verification made by designated CiaraTech's employee

## 6. Results

CiaraTech has decided to use the civil year for performance evaluation and reporting timeframe.

### 6.1. Water use and/or consumption (m3)- Results

Civil year	2018	2019	2020	2021
	58 764	57 895	56 108	50 225

Source: Internal verification made by designated CiaraTech's employee, from water meter's readings and existing bills. Full billing is based on annual reporting which was not communicated to the facility as for the full consumption in 2021. Therefore, the annual consumption was calculated by extrapolating the missing data through the previous years' consumption and studying the trend of consumptions in various seasons and periods.

## 6.2. Energy (MWh)- Results

Civil year	2018	2019	2020	2021
	64.6	57.9	51.9	43.45

CiaraTech consumes two sources of energy, electricity, and natural gas. The consumption calculation of these two sources is based on the different systems and facility zones across the organization (e.g., hot water, lighting, ventilation).

### *Energy breakdown by use for 2021*

Use of energy	Consumption (MWheq)
Electricity consumption	42.46
Heating consumption	0.99

### *Energy breakdown by type for 2021*

Type of energy	Consumption
Renewable	42.39
Nonrenewable	1.07

The energy intensity was calculated based on the surface of various zones of Ciara facility and the full amount of energy consumption which equals to **7.17E-04 MWheq/m<sup>2</sup>**

## 6.3. Scope 1 and scope 2 greenhouse gas emissions (tCO<sub>2</sub>)

For GHG emissions, scope 1 and scope 2 were considered. The scope of calculation is based on the operational control. For the scope 1, CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O were considered and for the scope 2, CO<sub>2</sub> was considered.

Civil year		2018	2019	2020	2021
	<b>Scope 1</b>	12.8	10.7	75.54	182.05
	<b>Scope 2</b>	0.0034	0.0028	0.23	21.20

**Calculations were made for the two scopes:**

**Scope 1:** Direct GHG emissions from those sources owned by CiaraTech. This includes the on-site combustion of natural gas and emissions from the three vehicles CiaraTech, uses in operation and the

customer services. The GHG emissions from the diesel generator has been included. CiaraTech does not own forklifts powered by fossil fuel and did not register any refrigerant leaks.

**Scope 2:** Electricity indirect GHG emissions are the emissions resulting from the purchased electricity by CiaraTech from Hydro Quebec. The source of these emissions is at the site from which the electricity is produced.

The GHG intensity which is calculated for the two scopes and the surface occupied by CiaraTech is **0.65 kgCO<sub>2</sub>eq/ m<sup>2</sup>**.

## Annex

### Global Reporting Initiative Disclosure

#### GRI 302: Energy 2016

GRI	Description	Disclosed Information	Link
<b>103-1.2 and 3</b>	Material and Boundary Explanation of Energy, the management approach	Integrated Management Systems Policy	<a href="https://Ciaratech.com/epeat/">https://Ciaratech.com/epeat/</a>
		ISO 14001 Certificate	
		CDP score	
		Boma Best Certificate Gold	
		Supply Chain Responsibility	
		Bulk Packaging Policy for PC Systems	
<b>302-1</b>	Total fuel consumption within the organization from non-renewable sources, in joules or multiples, and including fuel types used.	Table of Annual Consumptions and full report	<a href="https://Ciaratech.com/epeat/">https://Ciaratech.com/epeat/</a>
<b>302-2</b>	Energy consumption outside of the organization, in joules or multiples	Ciara does not track this indicator	-
<b>302-3</b>	Energy intensity ratio for the organization.	Full report	<a href="https://Ciaratech.com/epeat/">https://Ciaratech.com/epeat/</a>
<b>302-4</b>	Amount of reductions in energy consumption achieved as a direct result of conservation and efficiency initiatives, in joules or multiples.	Table of Annual Consumptions_3rd party audit and reports	<a href="https://Ciaratech.com/epeat/">https://Ciaratech.com/epeat/</a>
<b>302-5</b>	Reductions in energy requirements of sold products and services achieved during the reporting period, in joules or multiples.	Ciara does not track this indicator	

#### GRI 303: Water and Effluents 2018

GRI Ref	Description	Disclosed Information	Link
<b>303-1</b>	Interactions with water as a shared resource	Ciara does not track this indicator	-
<b>303-2</b>	Description of water discharge standards	Ciara does not track this indicator	-
<b>303-3</b>	Sources and volumes of water withdrawn	Ciara does not track this indicator	-
<b>303-4</b>	Destinations and volumes of water discharged	Ciara does not track this indicator	-



303-5	Volume of water consumed	Table of annual Consumptions and full report	<a href="https://Ciaratech.com/epeat/">https://Ciaratech.com/epeat/</a>
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## GRI 305: Emissions 2016

GRI Ref	Description	Disclosed Information	Link
103- 1, 2 and 3	Explanation of Emissions as a material topic and its Boundary, the management approach and its components, and the evaluation of the management approach.	Please visit our commitment and approaches in EPEAT menu of the website (full report)	<a href="https://Ciaratech.com/epeat/">https://Ciaratech.com/epeat/</a>
305-1	Gross direct (Scope 1) GHG emissions in metric tons of CO2 equivalent	Table of Consumptions; and Ciara has assessed the scopes 1 and 2. (see full report on website) For scope 3, LCA for products were calculated and published the disclosure under the LCA and Carbon Footprint section of its website.	<a href="https://Ciaratech.com/epeat/">https://Ciaratech.com/epeat/</a>
305-2	Indirect (Scope 2) GHG emissions		
305-3	Gross other indirect (Scope 3) GHG emissions in metric tons of CO2 equivalent		
305-4	GHG emissions intensity ratio for the organization.	The intensity was calculated and published on the website (full report)	<a href="https://Ciaratech.com/epeat/">https://Ciaratech.com/epeat/</a>
305-5	GHG emissions reduced as a direct result of reduction initiatives, in metric tons of CO2 equivalent.	Ciara did not fix a specific target for each scope	
305-6	Emissions of ozone-depleting substances (ODS)	Ciara does not track this indicator	
305-7	Nitrogen oxides (NOX), sulfur oxides (SOX), and other significant air emissions	Ciara does not track this indicator	