

nZero

**Your partner to
achieve net zero**

Organisations are trying to *reach Net Zero by 2050.*

Source: Paris Agreement

WHAT PROBLEMS ARE COMPANIES FACING?

➤ **90%** of firms cannot measure their emissions correctly

Bloomberg

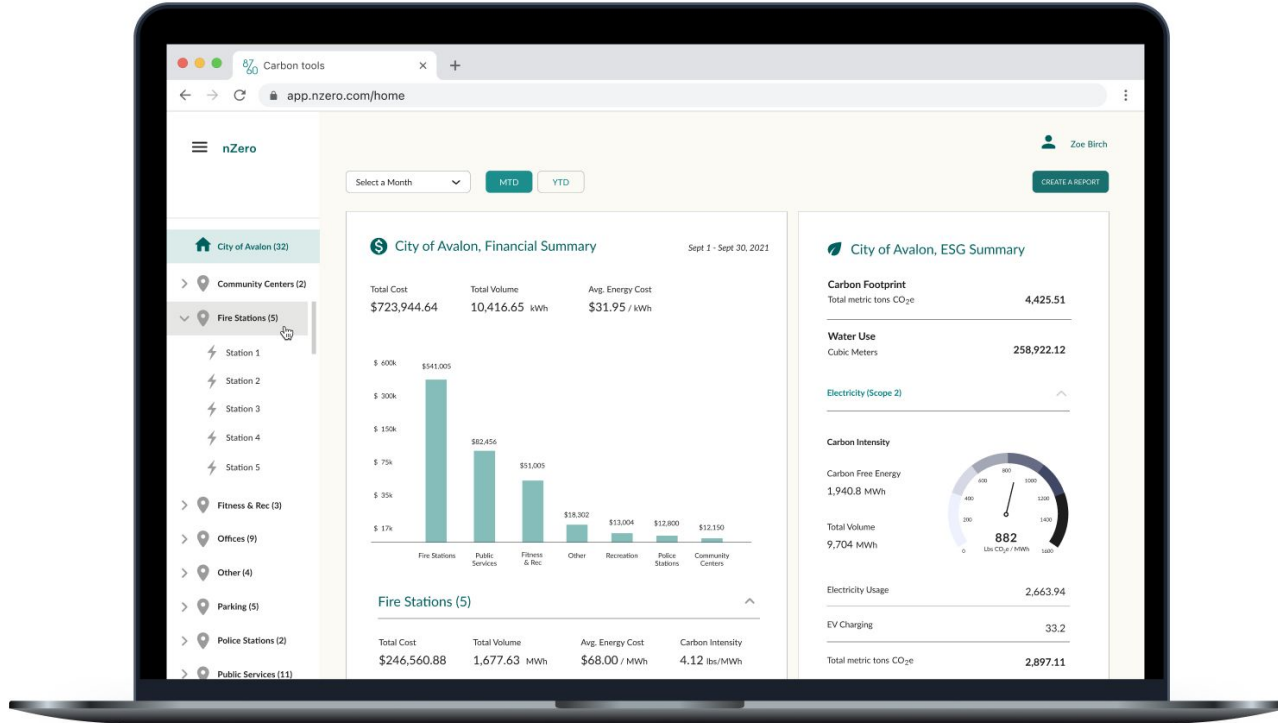
(BCG)

➤ Climate goals are under more scrutiny; **Incorrect reporting are major issues**

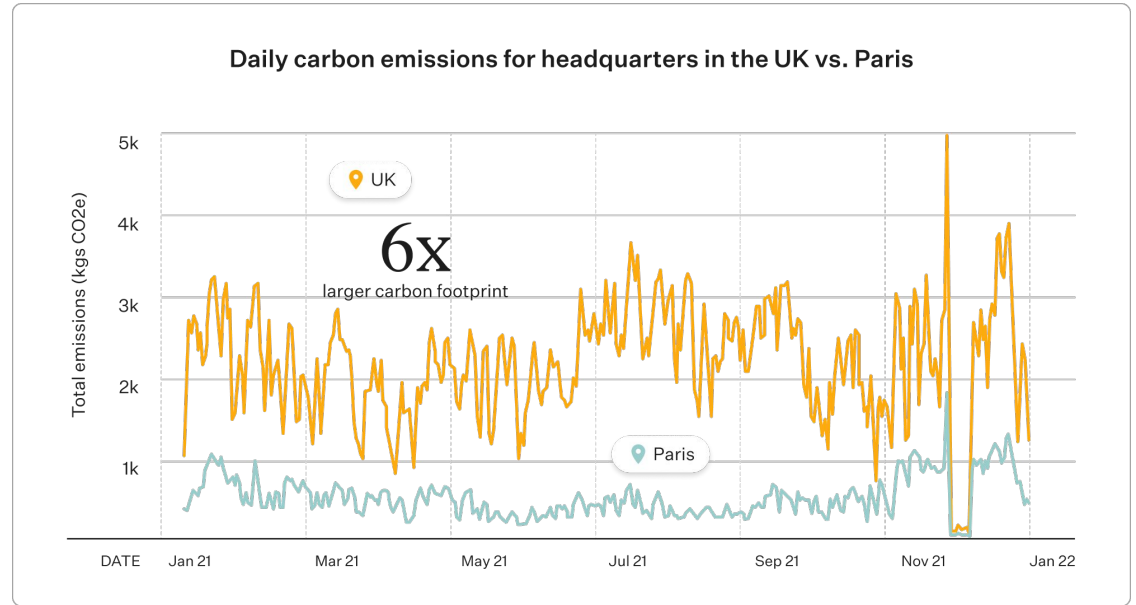
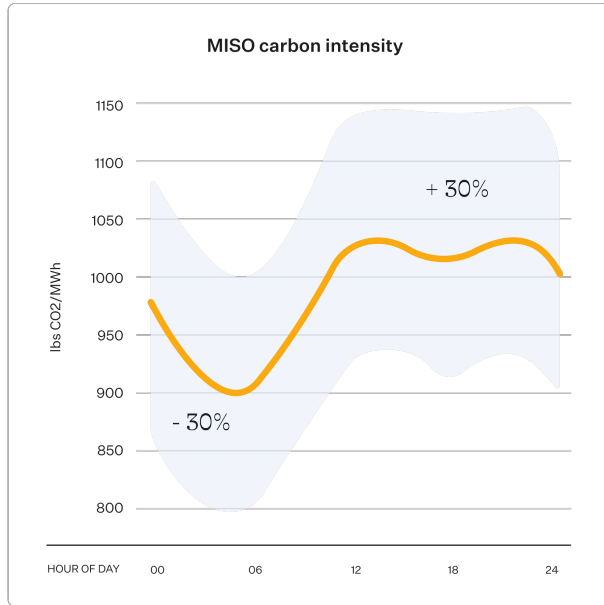
➤ Data is hard to gather, understand and conceptualise accurately and transparently

➤ **Outdated averages are the industry standard**

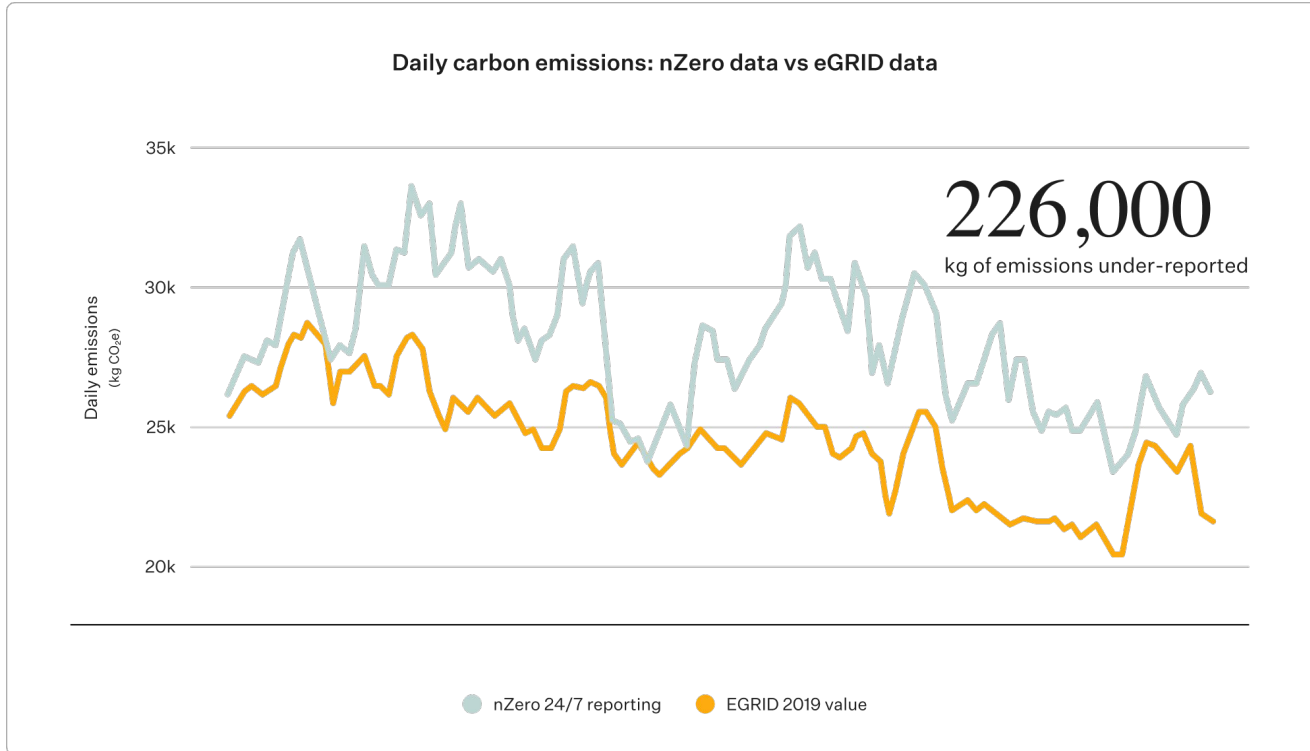
Automated. Accurate. Auditable



Averages don't account for hourly or locational changes in carbon intensity



Resulting in massive miscalculations



THE PROBLEM

Scope 3 emissions are often the largest and hardest to calculate

➤ **95%**
of emissions are scope 3

➤ Your scope 3 is someone
else's scope 1 and 2



Reach your decarbonisation goals with unparalleled transparency



Direct

Reporting company

Scope 1

Automates your data collection and instantly calculate your carbon impacts.



Induced

Upstream activities

Scope 2

Tracks thousands of data points on 24/7 energy use, providing you hourly insights.



Indirect

Upstream activities

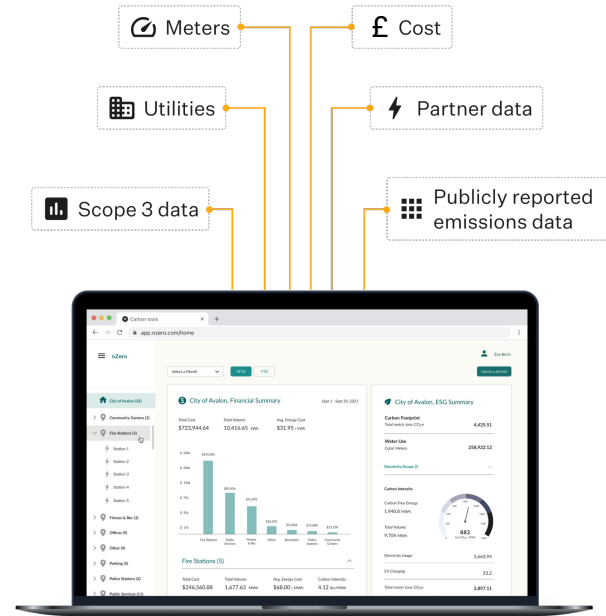
Downstream Activities

Scope 3

Looks upstream & downstream to calculate your carbon, water & waste impacts.

**Emissions factors + definitions follow the GHG Protocol methodology & ISO 14064-1*

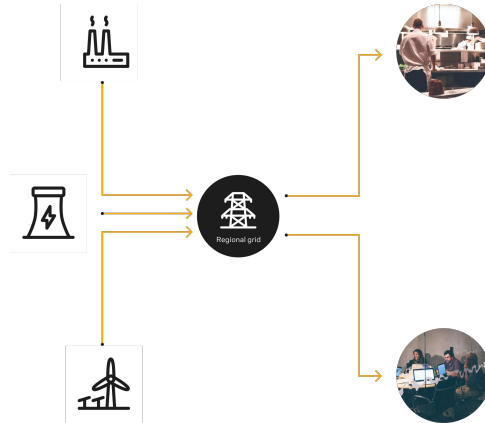
Sync & automate all possible emissions points across all 3 scopes



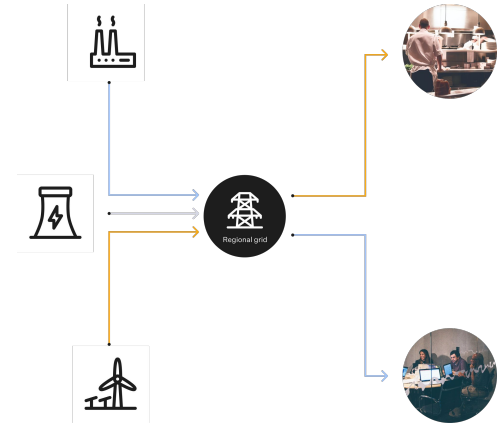
Calculate your *correct* carbon footprint

Confirm **exactly** where your
emissions were sourced

Location-based reporting

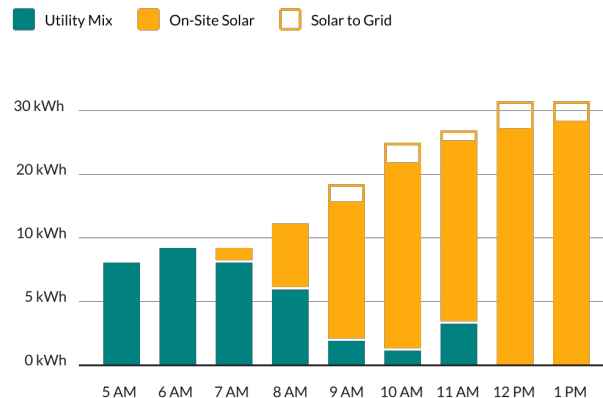
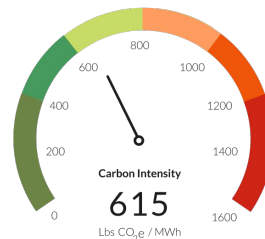


Market-based reporting



Provide 24/7 emissions & financial insights

That enables you to make smarter decisions based on your data



Empower your team & engage key stakeholders



Sustainability

- Identify your actual carbon baseline
- Confidently build impact reports & roadmaps to net zero
- Save time on data collection & calculation



Marketing

- Avoid greenwashing
- Know how & where to tell your carbon story
- Transparently communicate carbon initiatives



Finance

- Mitigate financial risk
- Create auditable reports & engage stakeholders
- Identify data driven sustainability investments



Product

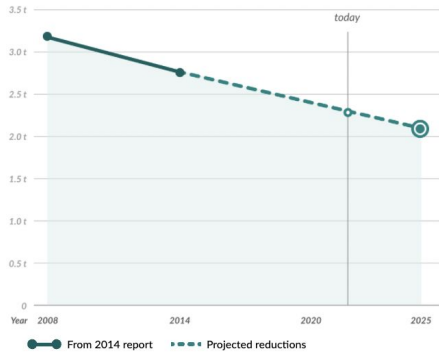
- Make carbon informed LCAs
- Gain visibility across scopes 1, 2 & 3
- Understand & change carbon impacts of operations

Transparently tell your story

What Is The City Of Reno's Climate Goal?

City Wide Emissions Over Time

Metric tons of CO₂e Emitted in the City Of Reno Each Year. (Source: 2014 Report)



City of Reno Operations Tracks Greenhouse Gas Emissions

Scope 1 Emissions

- Natural Gas
- Fuel

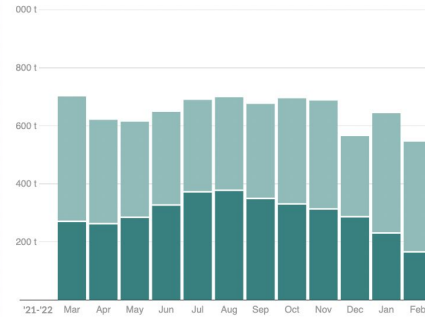
These greenhouse gas (GHG) emissions occur directly from sources owned or controlled by the city. For example fuel combustion in boilers, furnaces and vehicles.

Scope 2 Emissions

- Electricity

Indirect emissions from the generation of purchased energy, from a utility provider. This includes the consumption of electricity, steam, heat, and cooling.

GHG Emissions From City of Reno Operations, Last 12 Months, Powered by nZero



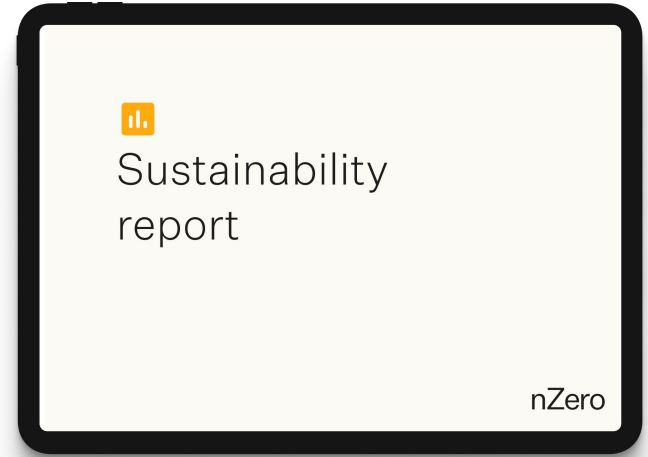
What is a Metric Ton of CO₂e?

A measurement of Greenhouse Gas Emissions equivalent to the emissions from 2,513 miles driven by an average passenger vehicle. (EPA)

THE SOLUTION



Creating reports is hard. nZero makes it easy by pulling it all together for you





Your partner to reach net zero

information@nzero.com

Appendix

ABC Company, Financial Summary 01/01/2022 - 31/01/2022

Total Cost	Total Volume	Avg. Energy Cost
€54.909	529 MWh	€0.09 / MWh

Category	Energy Usage Cost	Total Volume	Avg. Energy Cost
On Prem Data Centers (3)	€28.974	313 MWh	€0.09 / MWh
Retail Stores (3)	€14.437	152 MWh	€0.09 / MWh
Corporate (5)	€11.498	127 MWh	€0.09 / MWh

ABC Company, ESG Summary

Carbon Footprint
Total kg CO2e: **2.373.000**

Water Use
Cubic Meters: **7.045.000**

Electricity (Scope 2)

Carbon Intensity
Near Zero Carbon
10 MWh
Total Volume
253 MWh
697 kg CO2e/MWh

Total kg CO2e: **203.000**

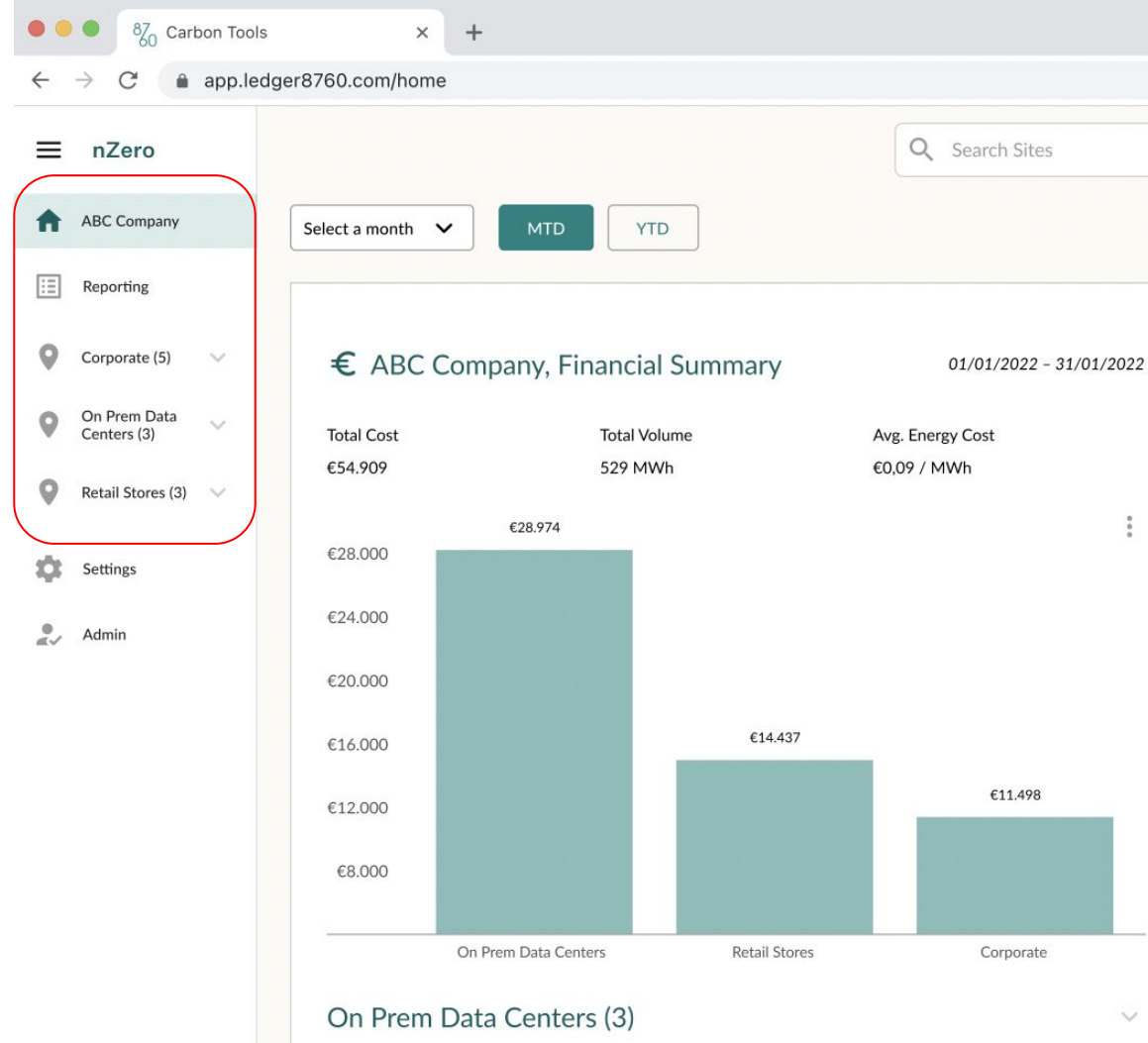
Direct Emissions (Scope 1)

Natural Gas	374.000
Diesel Fuel	180.000
Motor Gasoline	155.000
Refrigerant & others	176.000
Total kg CO2e	885.000

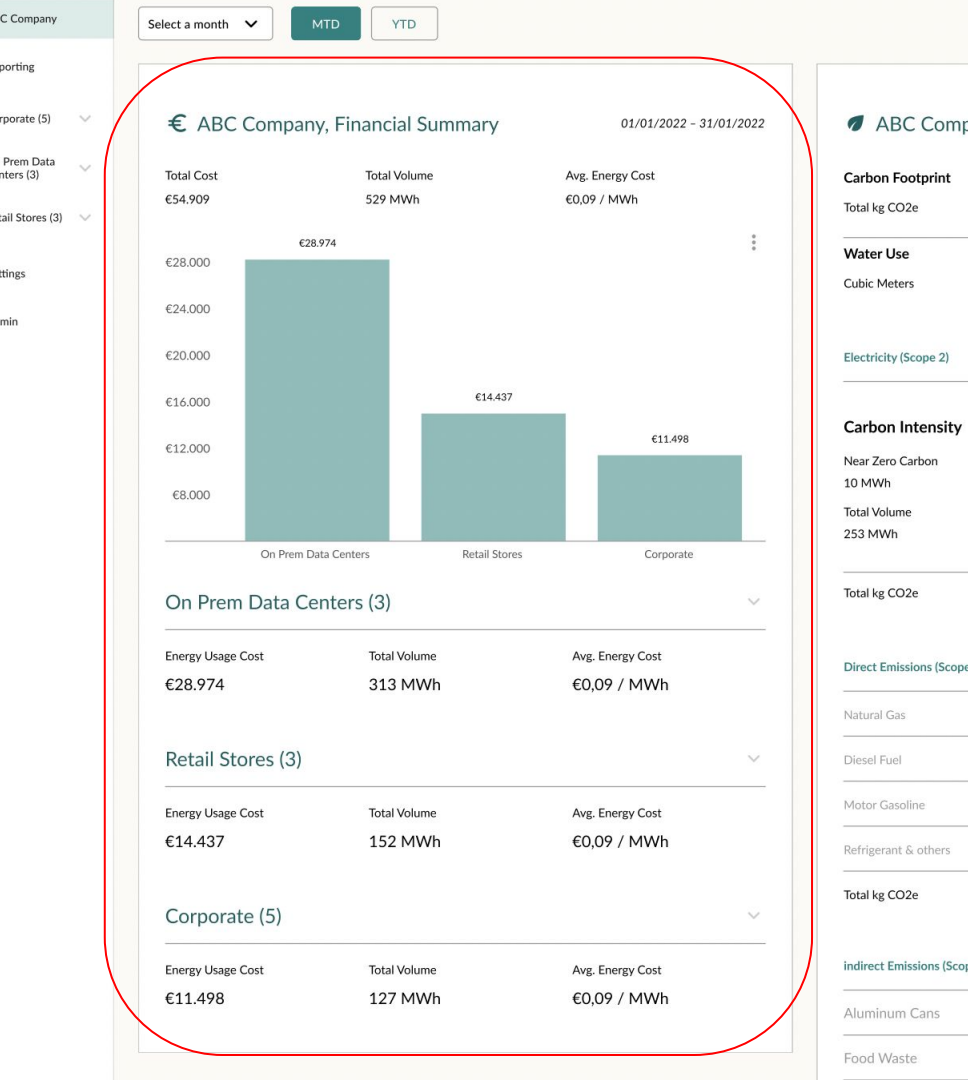
Indirect Emissions (Scope 3)

Aluminum Cans	288.000
Food Waste	435.000
Mixed MSW (municipal solid waste)	275.000
Mixed Recyclables	288.000
Totals kg CO2e	1.285.000

The nZero platform provides a holistic view of your organization's carbon footprint, across scopes 1, 2 and 3.



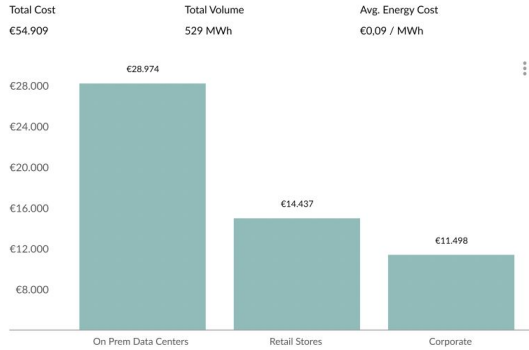
We work with you to organize your data, so it makes the most sense for your teams



And we pair scope 2 data with financials, so you can track, act and report on ROI and ROC initiatives easily

€ ABC Company, Financial Summary

01/01/2022 - 31/01/2022



On Prem Data Centers (3)

Energy Usage Cost	Total Volume	Avg. Energy Cost
€28.974	313 MWh	€0,09 / MWh

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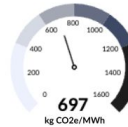
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Mixed Recyclables 288.000

Totals kg CO2e **1.285.000**

Gain visibility to a clear snapshot of your organizations' carbon footprint, water use and carbon intensity.



Centers (3)

Total Volume	Avg. Energy Cost
313 MWh	€0,09 / MWh

Total Volume	Avg. Energy Cost
152 MWh	€0,09 / MWh

Total Volume	Avg. Energy Cost
127 MWh	€0,09 / MWh

Electricity (Scope 2)

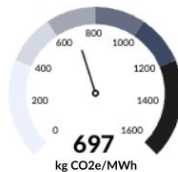
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253 MWh



Total kg CO₂e **203.000**

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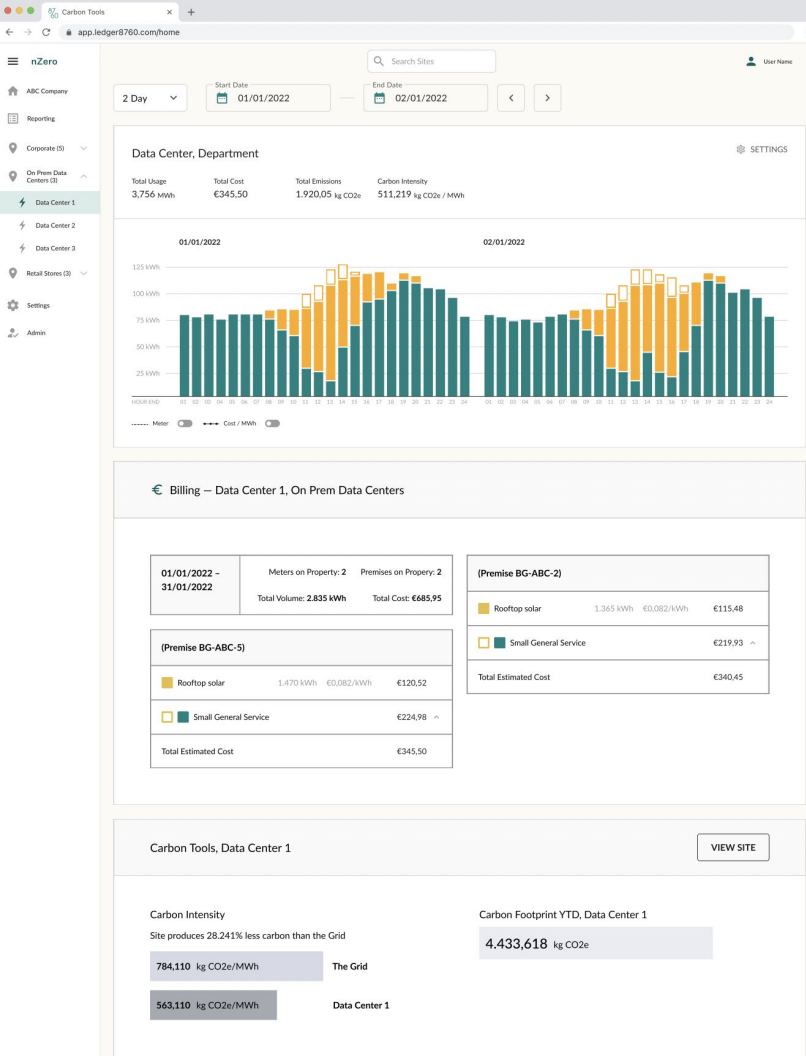
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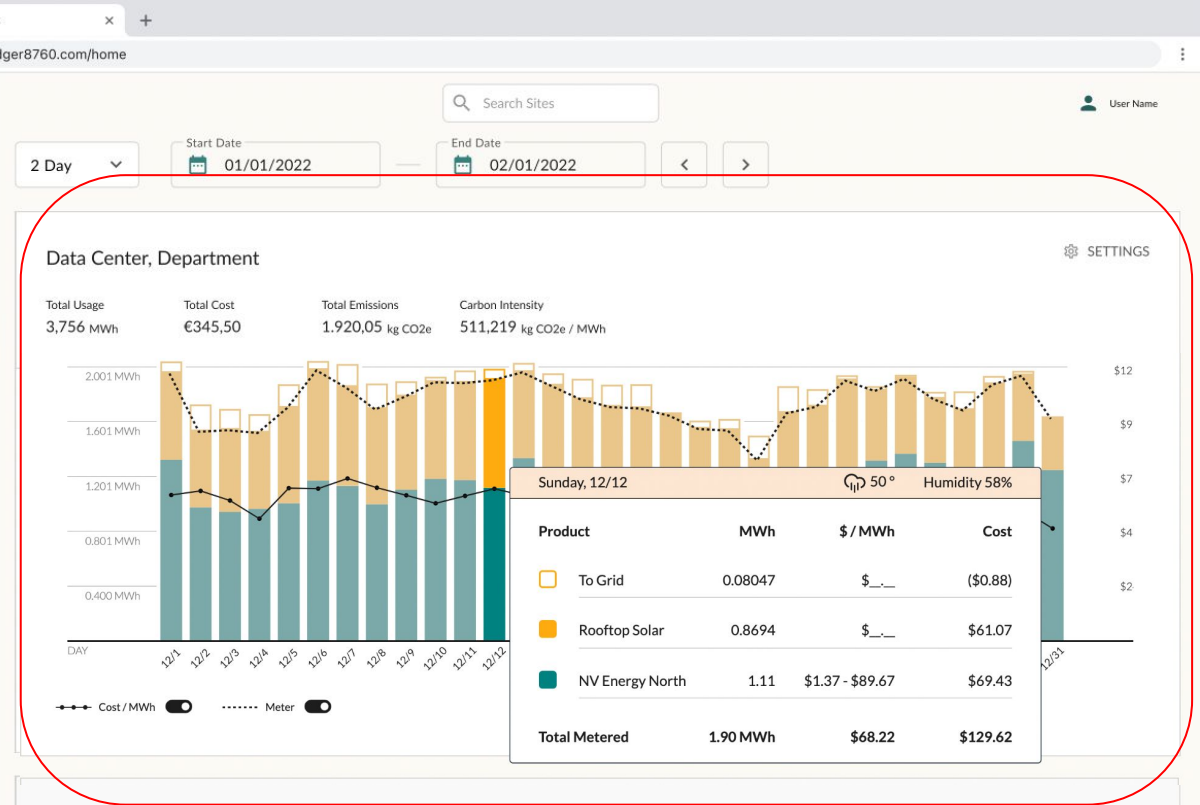
Mixed Recyclables 288.000

Totals kg CO₂e **1.285.000**

You can easily drill down to see what is driving each of your emission scopes.



Click on a department or site to gain more visibility and insights down to an hourly level.



So you can understand and optimize energy mixes.

€ Billing – Data Center 1, On Prem Data Centers

01/01/2022 – 31/01/2022	Meters on Property: 2	Premises on Property: 2
	Total Volume: 2.835 kWh	Total Cost: €685,95

(Premise BG-ABC-2)			
Rooftop solar	1.365 kWh	€0,082/kWh	€115,48
Small Central Cooling			€10,00

€ Billing – Data Center 1, On Prem Data Centers

01/01/2022 –
31/01/2022

Meters on Property: 2 Premises on Property: 2
Total Volume: 2.835 kWh Total Cost: €685,95

(Premise BG-ABC-5)

Rooftop solar 1.470 kWh €0,082/kWh €120,52

Small General Service €224,98 ^

Total Estimated Cost €345,50

(Premise BG-ABC-2)

Rooftop solar 1.365 kWh €0,082/kWh €115,48

Small General Service €219,93 ^

Total Estimated Cost €340,45

Carbon Tools, Data Center 1

[VIEW SITE](#)

Carbon Intensity

Site produces 28.241% less carbon than the Grid

784,110 kg CO2e/MWh

The Grid

563,110 kg CO2e/MWh


Data Center 1



Carbon Footprint YTD, Data Center 1

4.433,618 kg CO2e

And energy costs and tariffs.

01/01/2022 – 31/01/2022	Meters on Property: 2	Premises on Property: 2
	Total Volume: 2.835 kWh	Total Cost: €685,95

(Premise BG-ABC-5)				
	Rooftop solar	1.470 kWh	€0,082/kWh	€120,52
	Small General Service			€224,98 ^
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	Rooftop solar	1.365 kWh	€0,082/kWh	€115,48
	Small General Service			€219,93 ^
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Carbon Tools, Data Center 1

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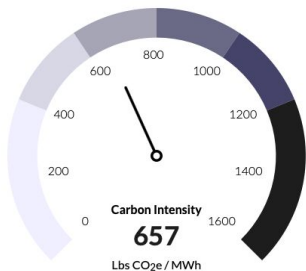
Data Center 1

Carbon Footprint YTD, Data Center 1

4.433,618 kg CO₂e

Easily understand how your location's carbon intensity compares to the grid

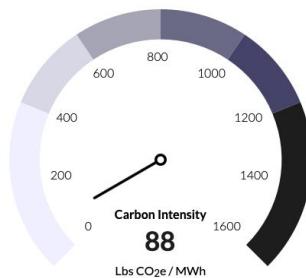
SITE(S): Fire Statik ▾
 START ON: 11 / 11 / 2021 📅
 HOUR: 00 ▾
 END ON: 11 / 11 / 2021 📅
 HOUR: 23 ▾
 EXPORT PDF



Source Type	%	MWh	Lbs CO ₂ e
NV Energy North	53%	0.157	195
City of Reno Rooftop Solar	47%	0.141	---
Totals:		0.298	195

And identify when your locations' carbon intensities are highest and lowest, so you can make carbon-conscious operational decisions

SITE(S): Fire Statik ▾
 START ON: 11 / 11 / 2021 📅
 HOUR: 12 ▾
 END ON: 11 / 11 / 2021 📅
 HOUR: 16 ▾
 EXPORT PDF



Source Type	%	MWh	Lbs CO ₂ e
City of Reno Rooftop Solar	129%	0.060	---
NV Energy North	-29%	-0.014	4
Totals:		0.046	4

Carbon Tools

app.ledger8760.com/home

nZero

ABC Company

Reporting

Corporate (5)

On Prem Data Centers (3)

Retail Stores (3)

Settings

Admin

Search Sites

User Name

Date Range

2021 January - December

Sites By Departments

Corporate Retail Stores On Prem Data Centers

Resources

Electricity Natural Gas Fuel Water Refrigerants Airline Travel Waste-Average Compost

Metrics

Volume GHG

Download as CSV

Site	Site ID	Department	Electricity (Scope 2) Volume (kWh)	Electricity (Scope 2) GHG (kg CO2e)	Natural Gas (Scope 1) Volume (thms)	Natural Gas (Scope 1) GHG (kg CO2e)	Fuel (Scope 1) GHG (kg CO2e)
Totals			592.225,28	447.964,57	825.008,50	17.613,64	737.408,00
General Org (Non-Site)			---	---	825.008,50	17.613,64	---
Fleet			---	---	---	---	737.408,00
Data Center 1	#2240	On Prem Data Cen...	213.350,40	164.795,29	---	---	---
Data Center 2	#2250	On Prem Data Cen...	74.398,04	61.023,17	---	---	---
Data Center 3	#2241	On Prem Data Cen...	59.699,04	46.409,15	---	---	---
Distribution Center	#2245	Corporate	54.046,95	28.783,24	413.633,04	139.699,04	---
Headquarters	#2249	Corporate	20.772,44	16.744,59	122.622,04	410.699,04	---

With our dynamic reporting tool, pull customized reports, so you can access and analyze your emissions data immediately.