

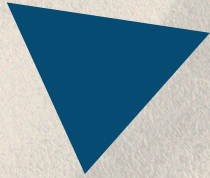


ZUNO
CARBON

To Zero and Beyond

Taking the toil out of sustainability

Being sustainable **isn't** easy.



Existing approaches to carbon accounting **have limitations**



Flying Blind

Heavy reliance on non-primary data sources **limits visibility** into actual emissions sources



Killing More Trees

Lost opportunity to **use data** to derive useful emission reduction insights



Too Little Too Late

Reactive efforts that leave little room for agile optimizations of your sustainability journey

At Zuno Carbon, we believe our approach makes being sustainable **easier**



Simplify and automate

data collection, calculations, and reporting



Unlock

latent insights and generate a sustainability roadmap



Accelerate

your sustainability journey by allowing your ESG team to focus on real action

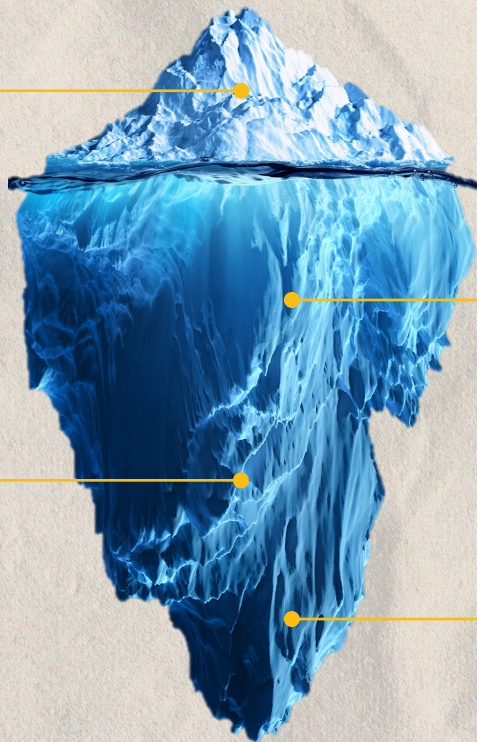
Our Solution - Veridis



Measure, analyze, report and reduce your emissions with our comprehensive carbon management system that seamlessly integrates across the value chain

Visibility beneath the surface through rich data

Financial Accounting Data



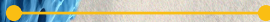
Industrial Operations Data



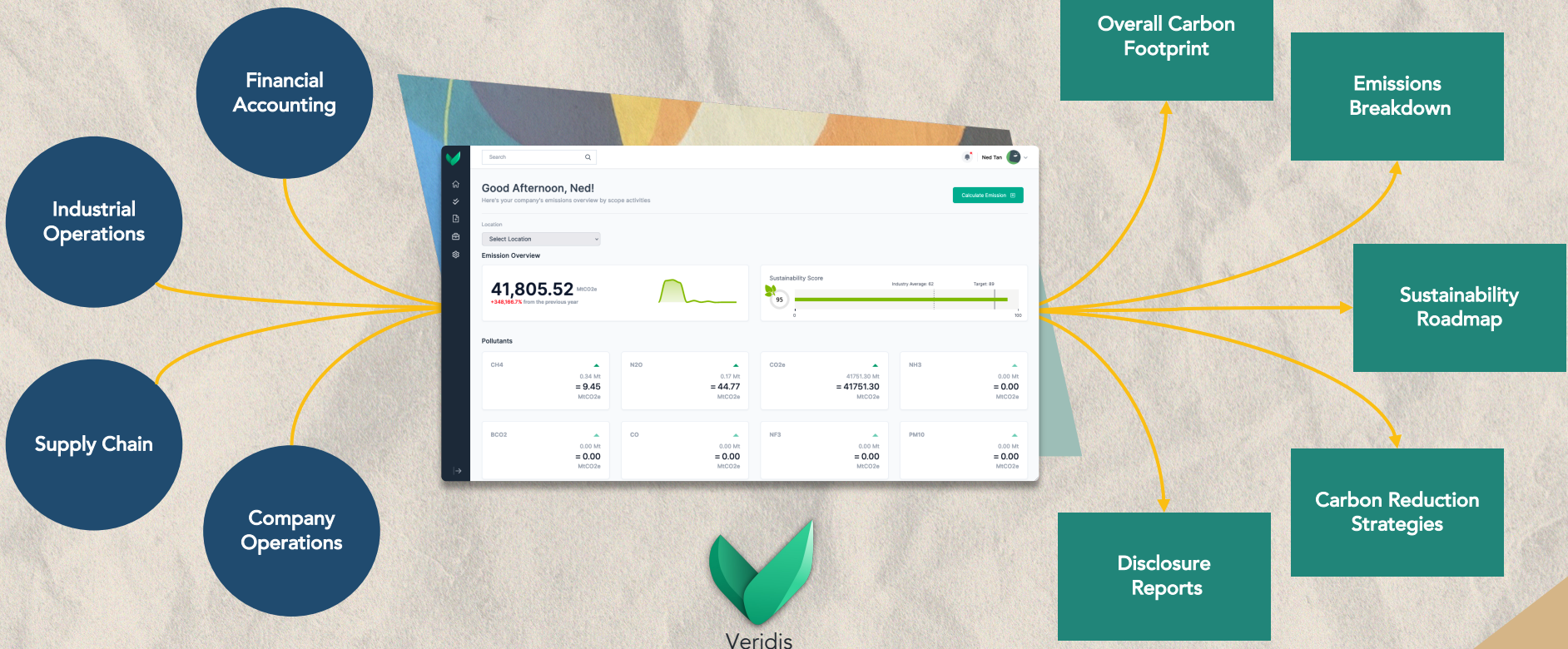
Supply Chain Data



Company Operations Data

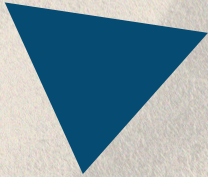


Our solutions bridge the gap between intentions and results



Veridis

Carbon Accounting



Data Entry - Manual

The screenshot shows a web application interface for manual data entry. The left sidebar contains navigation options: HOME, Dashboard, Scopes, Reporting, Companies, CONFIGURATIONS, and Settings. The main content area has a search bar and a user profile for 'Ned Tan'. The breadcrumb trail is 'Dashboard > Scopes > Mobile Combustion > Bus-LPG > Option 1'. The title is 'Type | Bus- LPG' with a subtitle 'View and add new data to calculate emissions'. There are 'Upload Data' and 'Attach Datapoint' buttons. Below are dropdown menus for 'Location' (Depot Changi), 'Source' (Bus - SG123X), and 'Labels' (Please select...). A table titled 'Option 1' has columns for 'DATE (DD/MM/YYYY)', 'ENTER TOTAL EMISSION DATA FOR THIS TYPE', and 'MTCO2e'. The first row shows 'Select date...', 'Amount...', and a 'Delete' button. A '+ Add' button is at the bottom left of the table. Below the table, a message asks 'Don't have this information? Select another method from the options below' with buttons for 'Option 1', 'Option 2', and 'Option 3'. A 'Calculate' button is at the bottom right.

Dashboard > Scopes > Mobile Combustion > Bus-LPG > Option 1

Type | Bus- LPG

View and add new data to calculate emissions

Upload Data Attach Datapoint

Location Source Labels

Depot Changi Bus - SG123X Please select...

Option 1

DATE (DD/MM/YYYY)	ENTER TOTAL EMISSION DATA FOR THIS TYPE	MTCO2e
Select date...	Amount...	Delete

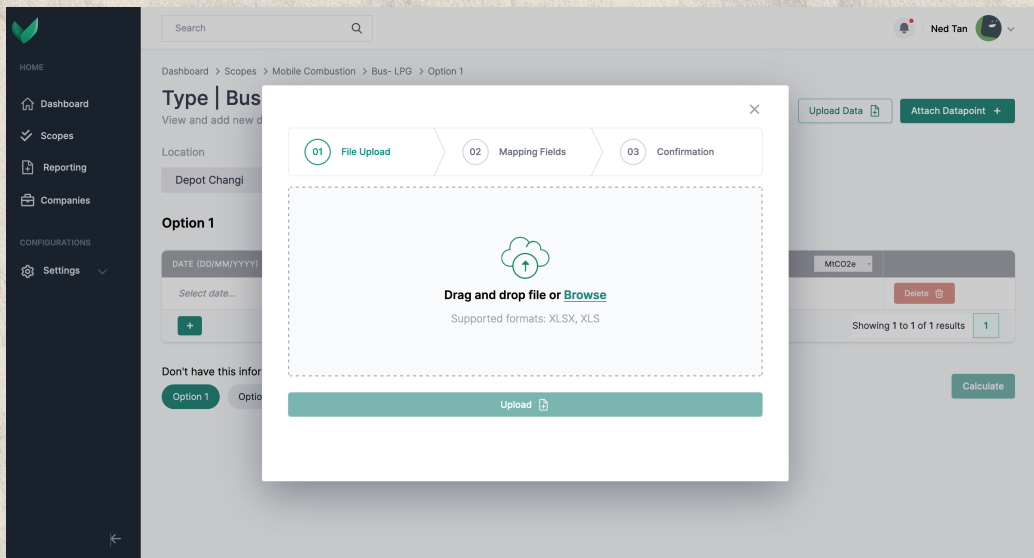
+ Showing 1 to 1 of 1 results 1

Don't have this information? Select another method from the options below

Option 1 Option 2 Option 3 Calculate

For organizations with limited digitization, or the data is just hard to get, manually enter your activity/financial data and instantly calculate the associated footprint

Data Entry – File Upload



Upload spreadsheets containing activity data in any format, exported from any system and calculate emissions instantly. No more templates, no more number crunching in excel.

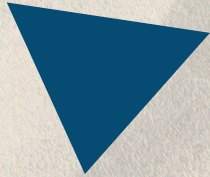
Data Entry – Automation

The screenshot displays a software interface with a dark sidebar on the left containing navigation options: HOME, Dashboard, Scopes, Reporting, Companies, CONFIGURATIONS, and Settings. The main content area shows a breadcrumb trail: Dashboard > Scopes > Mobile Combustion > Bus-LPG > Option 1. A 'Data Integrations' modal window is open, titled 'View and add', listing several integration options:

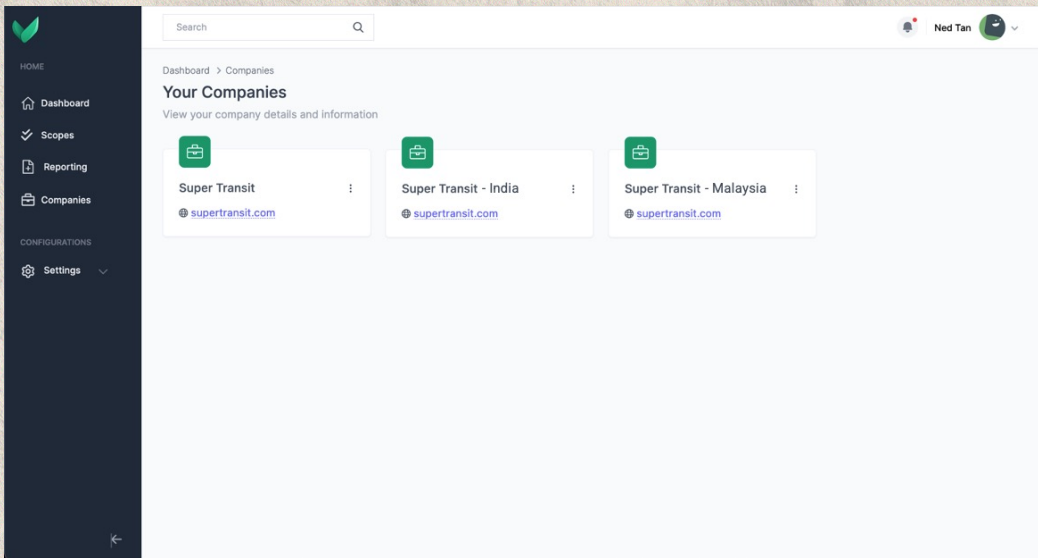
- Rest API**: Connected ✓. A rest API is an application program interface that uses HTTP requests to access data.
- Xero**: Coming Soon. A cloud-based accounting software product that lets business owners manage their finances and integrate with many apps.
- SAP**: Coming Soon. Allows users to manage nearly every aspect of the business, from finances to HR, procurement and logistics.
- Salesforce**: Coming Soon. A popular CRM tool for support, sales, and marketing teams.
- Zendesk**: Coming Soon. A service-first CRM software designed to improve customer relationships.
- Quickbooks Intuit**: Coming Soon. A full-featured suite, complete with tools for accounting, inventory, invoicing, etc..

Take all the effort out of carbon accounting, automate the data collection process with our multitude of connectors to enterprise and industrial IT systems.

Configuration



Manage your organization with ease



Onboard subsidiaries, portfolio companies, or even supply chain partners with built-in support for multiple companies.

Granularity, the way you want it

Dashboard > Companies > Sources

Sources

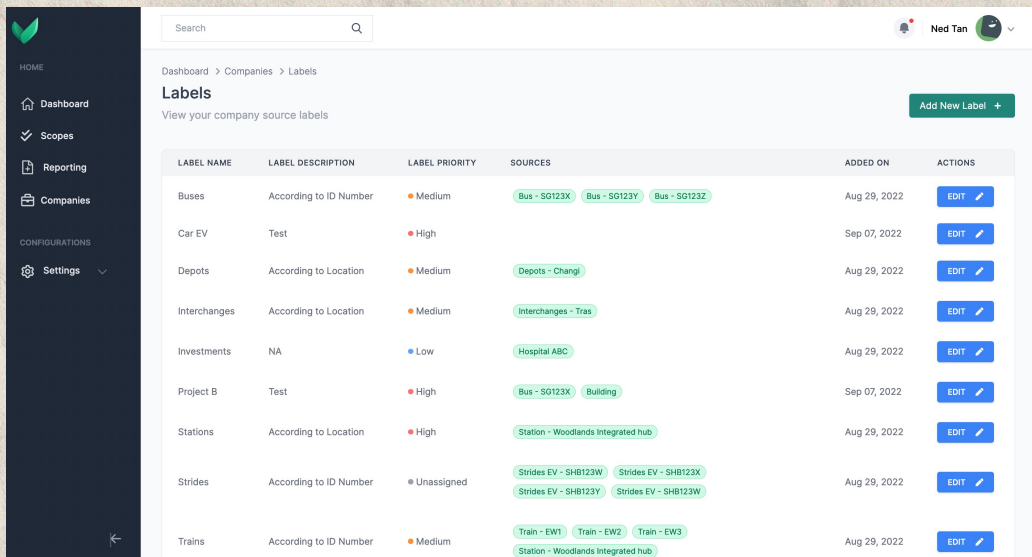
View your company sources Add New Source +

0 Item(s) Selected DELETE SELECTED ARCHIVE SELECTED

<input type="checkbox"/>	SOURCE	DESCRIPTION	TYPES	LABELS	ACTIONS
<input type="checkbox"/>	Bus - SG123X		Bus - LPG Bus - Biodiesel Bus - Diesel	Buses Project B	EDIT ✎
<input type="checkbox"/>	Bus - SG123Y		Bus - LPG Bus - Biodiesel Bus - Diesel	Buses	EDIT ✎
<input type="checkbox"/>	Bus - SG123Z		Bus - LPG Bus - Biodiesel Bus - Diesel	Buses	EDIT ✎
<input type="checkbox"/>	Train - EW1		Singapore Locomotives- National Rail, Diesel	Trains	EDIT ✎
<input type="checkbox"/>	Train - EW2		Singapore Locomotives- National Rail, Diesel	Trains	EDIT ✎
<input type="checkbox"/>	Train - EW3		Singapore Locomotives- National Rail, Diesel	Trains	EDIT ✎
<input type="checkbox"/>	Strides EV - SHB123W		Singapore Passenger Car- Battery Electric Thailand Strides EV	Strides	EDIT ✎

Create assets, projects, and business divisions under the emission sources to define the level granularity you want.

Granularity, the way you want it



Dashboard > Companies > Labels

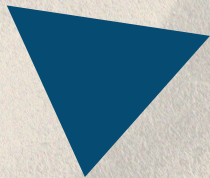
Labels

View your company source labels [Add New Label +](#)

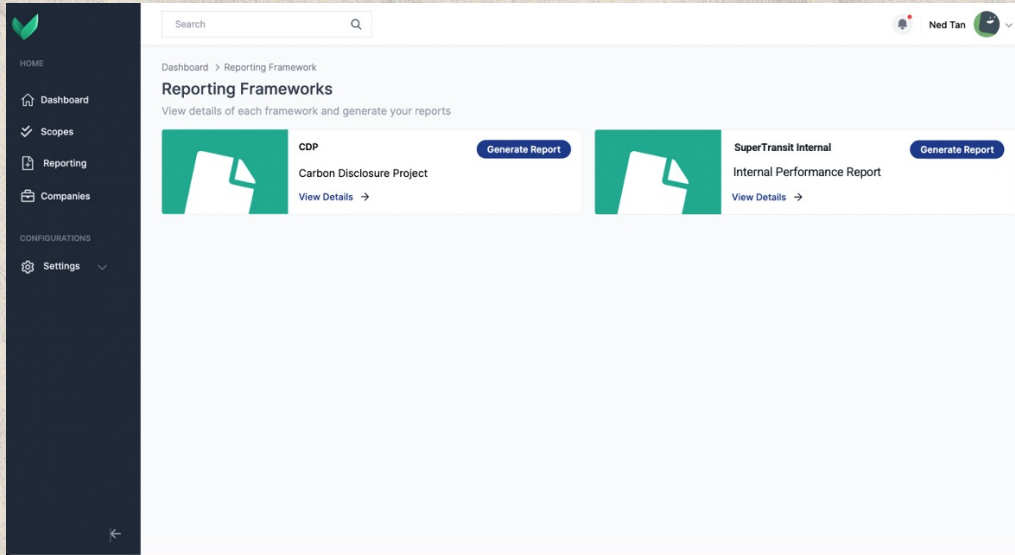
LABEL NAME	LABEL DESCRIPTION	LABEL PRIORITY	SOURCES	ADDED ON	ACTIONS
Buses	According to ID Number	Medium	Bus - SG123X Bus - SG123Y Bus - SG123Z	Aug 29, 2022	EDIT
Car EV	Test	High		Sep 07, 2022	EDIT
Depots	According to Location	Medium	Depots - Changi	Aug 29, 2022	EDIT
Interchanges	According to Location	Medium	Interchanges - Tras	Aug 29, 2022	EDIT
Investments	NA	Low	Hospital ABC	Aug 29, 2022	EDIT
Project B	Test	High	Bus - SG123X Building	Sep 07, 2022	EDIT
Stations	According to Location	High	Station - Woodlands Integrated hub	Aug 29, 2022	EDIT
Strides	According to ID Number	Unassigned	Strides EV - SHB123W Strides EV - SHB123X Strides EV - SHB123Y Strides EV - SHB123W	Aug 29, 2022	EDIT
Trains	According to ID Number	Medium	Train - EW1 Train - EW2 Train - EW3 Station - Woodlands Integrated hub	Aug 29, 2022	EDIT

Add custom labels to group emissions sources for better visibility tailored to your targets.

Reporting



Real-time report generation across formats



Choose the frameworks that your organization follows or create custom reports for internal performance tracking.

Disclosure reports in seconds

Search

Reporting Year: 2022 | Date Range: YTD | Location: All | Generate

Report

The following report is generated in alignment with CDP

5. Emissions Methodology

Base year emissions

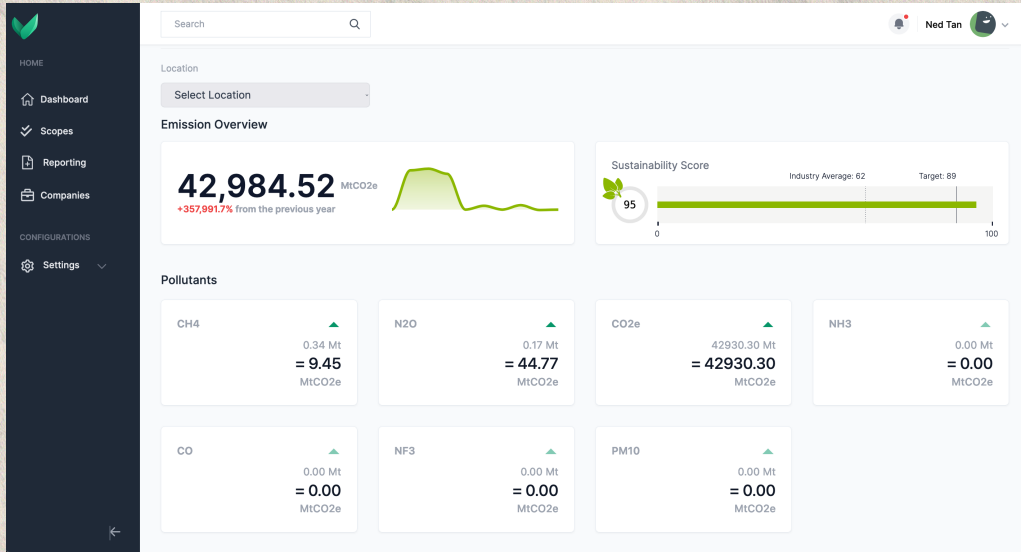
5.2 Provide your base year and base year emissions.

Guidance: If the base year has been set it will automatically show up with the details of the year and the emissions here. If not, the previous year's CDP report can be uploaded, and the information will be reflected here.

SCOPE	BASE YEAR START	BASE YEAR END	BASE YEAR EMISSIONS (MTCO2E)	COMMENTS
Scope 1	01/01/2022	31/12/2022	2911.96778	
Scope 2	01/01/2022	31/12/2022	40316.13124	
Scope 3 - Employee commuting	01/01/2022	31/12/2022	-388.5765	
Scope 3 - Downstream leased assets	01/01/2022	31/12/2022	248	
Scope 3 - Purchased goods and services	01/01/2022	31/12/2022	15	

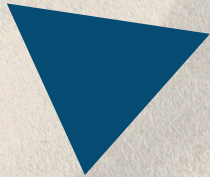
All the raw activity data collected can be instantly aggregated and parsed in any way to produce disclosure reports in mere seconds – not months.

Real-time insights into your progress towards net-zero



Keep your finger on the pulse with our real-time visualizations that can be customized to track your specific KPIs and provides you with benchmarks to know where you stand.

Compliance & Security



Compliant and accurate

Dashboard > Scopes

Scopes

Select the categories that apply to your organization to calculate your emissions

View All Logs

Scope 1 Scope 2 **Scope 3**

Scope 3

Pick and calculate your company related types for Scope 3

CATEGORY NAME	TYPE NAME
Employee commuting	No types found
Downstream leased assets	
Business travel	
Fuel and energy related activities (not included in scope 1 or scope 2)	
Processing of sold products	
Capital goods	
Purchased goods and services	
Waste generated in operations	

All calculations are done in alignment with the GHG Protocol, and all emission factors used are audited and specific to your region of operation.

Auditable and Assured

Dashboard > Scopes > Emission Logs

Emissions Logs

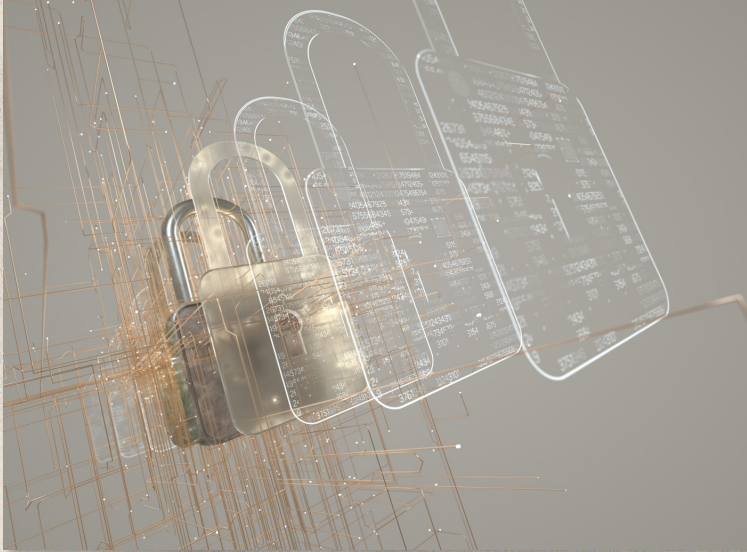
View all your emissions entries

0 Item(s) Selected DELETE SELECTED Export CSV

<input type="checkbox"/>	Emissio...	Emission Type	Emission So...	Labels	Emission Data	Emission Loc...	First Name	Last Nam	Edit
<input type="checkbox"/>	Scope 2	Singapore	Office - HQ, Ta...		29307.107	super transit	Ned	Tan	EDIT
<input type="checkbox"/>	Scope 2	Singapore	Station - Woodl...		23445.686	super transit	Ned	Tan	EDIT
<input type="checkbox"/>	Scope 1	Bus - Diesel	Bus - SG123X		10.000	super transit	Ned	Tan	EDIT
<input type="checkbox"/>	Scope 3	Average Car - P...	Car - Own		104.607	super transit	Ned	Tan	EDIT
<input type="checkbox"/>	Scope 1	Bus- LPG	Bus - SG123Z	Buses	0.038	Station - Woodl...	Ned	Tan	EDIT
<input type="checkbox"/>	Scope 1	Bus- LPG	Bus - SG123Z	Buses	0.038	Station - Woodl...	Ned	Tan	EDIT
<input type="checkbox"/>	Scope 1	Bus- LPG	Bus - SG123Z	Buses	0.038	Station - Woodl...	Ned	Tan	EDIT
<input type="checkbox"/>	Scope 1	Locomotives- ...	Train - EW1		0.136	super transit	Ned	Tan	EDIT

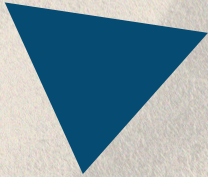
We store every transaction in a ledger, with all relevant references, documents, and data points. Audit and assurance reports can be exported right from Veridis.

Security at its core

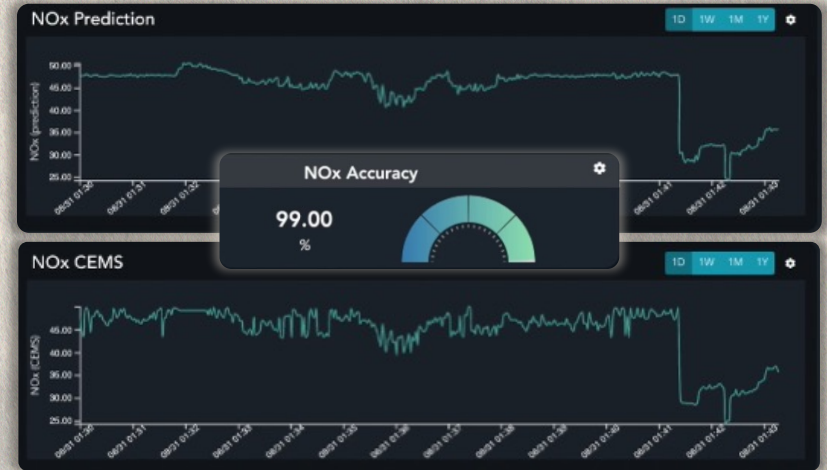
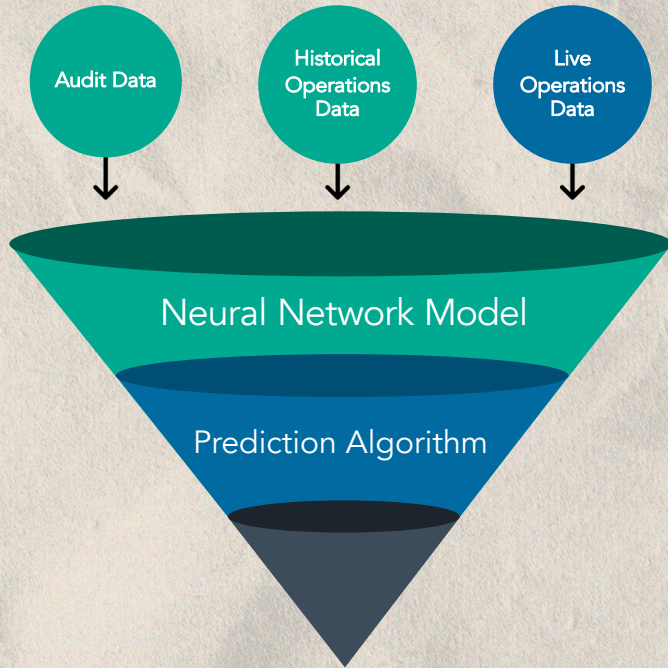


- Fine grain user access control
- Encrypted data transfer
- On-prem data polling for high security networks
- SOC2 & ISO25010 pending

AI Insights & Predictions



Applied Intelligence using Machine Learning



Leading you to Net-Zero (Q1 2023)

The screenshot shows a dashboard titled "Forecast & Recommendations" with a user profile for "Jane Doe". The dashboard features three recommendation cards:

- Optimize boiler operating conditions:** Use recommended operating parameters to lower overall GHG output of boiler. Complexity: **High**, Cost: **Low**.
- Install motion activated lighting and climate control in warehouse:** Switch to motion activated lighting and climate control in low utilization areas to reduce energy consumption. Complexity: **Low**, Cost: **Low**.
- [Redacted Card]:** Complexity: **Low**, Cost: **Low**.

Each card includes a "View Details" button and a "+" button. Below the cards is a large table with 5 columns and 6 rows of placeholder content, and two summary cards on the right with circular gauges and a bar chart.

Using the power of AI, Veridis identifies patterns in operation to forecast emissions, and recommend mitigation measures that best fit your organization

How Does Veridis Help?



Single source of truth
to generate reports
aligned with any
framework



High visibility into
supply chain activities
and associated
emissions



Allows you to make
data driven changes
to achieve
sustainability goals



Reduces audit and
consulting overhead,
allowing you to focus
on what matters

100+

Hours of Manpower
Saved per Report

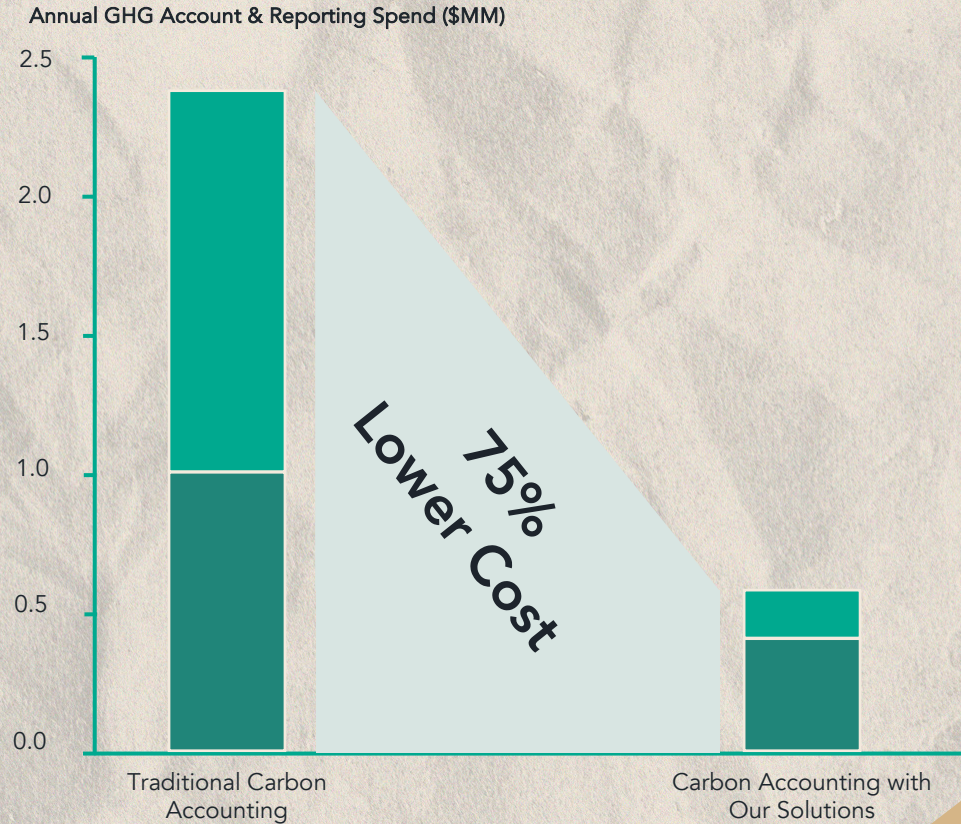
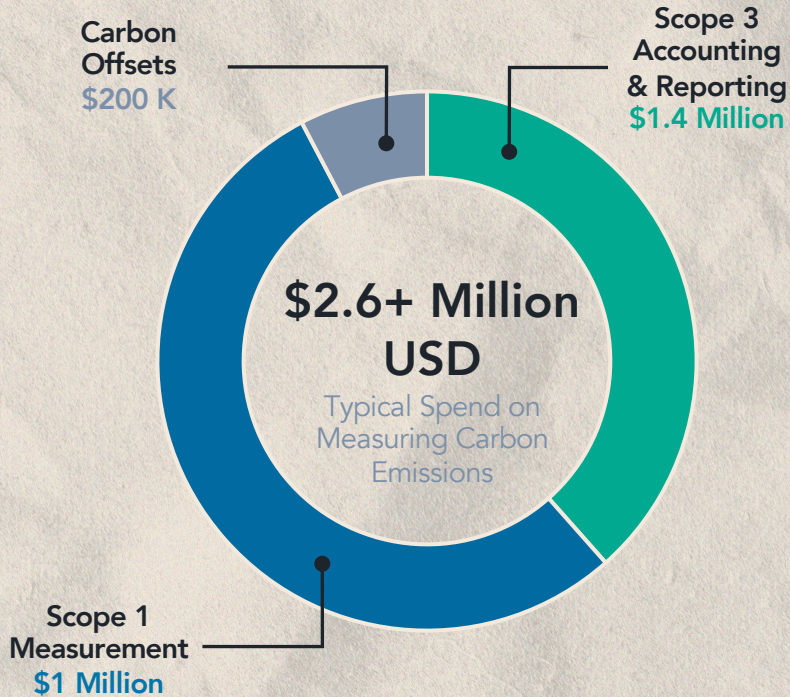
5+

Reporting Frameworks
Covered

50,000+

Supply Chain Activities
Covered

Potential Savings with Zuno Carbon



Helping a large Oil and Gas company track their carbon footprint as they transition to renewable energy projects with a granular level of detail

- Facilitated **performance tracking** and **compliance reporting** of greenhouse gases based on the GHG protocol, for all scopes including 9 out of 15 Scope 3 categories covering activities ranging from renewable and non-renewable energy plant operations to accounting activities of over 250+ employees.
- Aligned **reporting** and disclosure of **data insights** with **major ESG and Sustainability frameworks** such as TCFD, CDP, GRI, SASB etc.
- Ran various **forecast models** under IEA and IPCC Scenarios to project environmental impact and course correct to **achieve Science based sustainability targets** and commit to Net Zero goals.



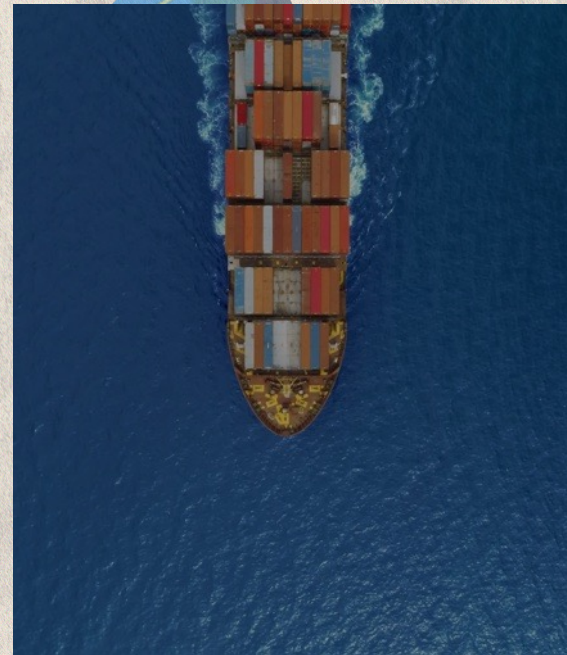
Tracking end-to-end carbon footprint of construction projects

- Integrating with fleet management, project management, financial accounting, and other data sources to **obtain activity data**.
- **Accounting Scope 1, Scope 2, and Scope 3 emissions across value chain** from procurement of materials, operation of equipment, to waste management.
- **Forecasting total emissions** for the project in real-time.
- Recommending Carbon Offsets to **reduce footprint to target**.
- View real-time insights into emission sources to **create actionable insights**.



Helping a local crane and vessel leasing company produce supplier emissions data for their customers

- Facilitating performance tracking and compliance reporting of greenhouse gases based on the GHG protocol, **across all operations of the company and their assets.**
- Aligned **reporting and disclosure** of data insights with major ESG and Sustainability frameworks such as TCFD, CDP, GRI, SASB etc.
- Creating capabilities to produce **supplier specific emissions** data for their customers who are required to submit TCFD reports.



Tracking carbon footprint of buildings to **provide supplier data to lesser**

- Integrating with building automation systems, and access logs to **obtain usage, occupancy, and utilities data.**
- **Accounting Scope 2 and Scope 3 emissions** based on activity data
- Generating **supplier reports aligned with TCFD, GRI, etc.**
- Generating AI recommendations on how to **reduce environmental impact**
- Perform scenario analysis to ensure asset is **on track with organizational goals**





ZUNO
CARBON

Join us on the Journey
#ToZeroandBeyond