

Anthesis ROUTEZERO

Is our premier GHG inventory software

Anthesis RouteZero is the first credible solution to digitally deliver a comprehensive Greenhouse Gas (GHG) reduction platform backed by the unrivalled expertise from 1,400 climate analytics specialists.

Designed from the insights of over 4,000 GHG footprints globally, Anthesis RouteZero accelerates the pace organisations can assess their impact and develop actionable decarbonisation plans.

Connecting Anthesis' leadership position in Net Zero strategies and reduction support, and expertise with credible climate projects and insetting /offsetting solutions, Anthesis RouteZero presents the optimum credible carbon reduction and mitigation recommendation for a client.

To date, Anthesis RouteZero calculated over **200 million tonnes of CO₂e**



Reporting Units

Company Name

Hierarchy Data Dashboard Report Files

Summary **Scope 1 & 2** Scope 3 Targets BETA

Saved Configs +

- Saved Con...
- Saved Con...
- Saved Con...

Columns

Time >

Time Frequency

Reporting Periods >

Metric

Coming soon...

Unit

tCO₂e >

Comparison

Base Reporting P... >

Lag

Enter whole number

Legend: London, Edinburgh, Leeds, Bristol, Birmingham, Blackpool, Manchester, Bedford, Luton, Bath, Cornwall, Bicester, Swansea, Bradford, Cambridge, Canterbury, Carlisle, Belfast, Derby, Other

Unit: tCO ₂ e	Estimated Data	Accurate Data	Other Data	Other Data
Electricity >	52046	52046	52046	52046
Refridgerant Gases >	52046	52046	52046	52046

Anthesis ROUTEZERO

Is our premier GHG inventory software

Anthesis RouteZero is the first credible solution to digitally deliver a comprehensive Greenhouse Gas (GHG) reduction platform backed by the unrivalled expertise from 1,400 climate analytics specialists.

Designed from the insights of over 4,000 GHG footprints globally, Anthesis RouteZero accelerates the pace organisations can assess their impact and develop actionable decarbonisation plans.

Connecting Anthesis' leadership position in Net Zero strategies and reduction support, and expertise with credible climate projects and insetting /offsetting solutions, Anthesis RouteZero presents the optimum credible carbon reduction and mitigation recommendation for a client.

To date, Anthesis RouteZero has calculated almost **1,000 GHG Inventories**



Reporting Units

Company Name

Hierarchy Data Dashboard Report Files

Summary **Scope 1 & 2** Scope 3 Targets BETA

Saved Configs +

- Saved Con...
- Saved Con...
- Saved Con...

Columns

Time >

Time Frequency

Reporting Periods >

Metric

Coming soon...

Unit

tCO2e >

Comparison

Base Reporting P... >

Lag

Enter whole number

Legend: London, Edinburgh, Leeds, Bristol, Birmingham, Blackpool, Manchester, Bedford, Luton, Bath, Cornwall, Bicester, Swansea, Bradford, Cambridge, Canterbury, Carlisle, Belfast, Derby, Other

Unit: tCO2e	Estimated Data	Accurate Data	Other Data	Other Data
Electricity >	520.46	520.46	520.46	520.46
Refridgerant Gases >	520.46	520.46	520.46	520.46

What is

Anthesis ROUTEZERO



FEATURES:

- ✓ Reduces the reliance on in-house sustainability resources for data capture and removes the risks connected to self-service GHG footprinting tools.
- ✓ Cuts out human-generated errors and data gaps and streamlines the process using an intuitive user interface, API connectivity and flexible permission system.
- ✓ Complete data transparency from source data to calculations and outputs.

Understand your footprint

Using industry-leading calculations and managed emissions factor database, Anthesis RouteZero validates your inputs, fills gaps in emission sources and forms an accurate and robust GHG inventory across scopes 1, 2 and 3, aligned with the GHG Protocol.

Identify hotspots & inform decisions

Identifying carbon hotspots based on source, scope, geography and supplier, Anthesis RouteZero's powerful intelligence, paired with actionable dashboards, allow all users, from technical and non-technical professionals to the C-Suite, to efficiently use the platform to make informed financial, operational, and impact-related decisions.

Drive actionable decarbonisation plans

Anthesis RouteZero's superior data collection functionality and insights aligned with the GHG protocol provide a critical foundation for other climate-related initiatives such as:

- Setting Science-based Targets
- Investing in strategies to transform your business and supply chain
- Investing in carbon credits
- Audit-ready, investor-grade reports
- Reporting to DJSI, CDP, SEC and other standards



Steps

Input



Input your data via a simple, intuitive platform with no technical expertise required. Upload via spreadsheet, allocate entry responsibilities across your team by site, subsidiary, and track progress to completion.

Validate



Anthesis RouteZero uses all available data to validate inputs, gap fill emission sources, and undertake estimates across your entire organisation.

Configure your company's workflow or use Anthesis' tried and tested methodologies.

Calculate



Consumption data is matched with the most geographically and relevant emission factors from a range of sources to form a robust GHG inventory, from the simplest scope 1 to detailed scope 3 calculations.

Make use of custom emission factors, IO modelling and supplier-specific data to improve the accuracy and completion of your inventory.

Visualise



Results are exported to a visual, user-friendly dashboard, allowing for instant analysis of emissions by consumption type and source, scope, geography, supplier, time period, and much more, allowing for effective communication to the C Suite, customers and across your supply chain.

Act

Extract the full value of your inventory to get data into the hands of decision makers and inform business operations.

Work with expert consultants to identify hotspots and how to tackle them, including setting a target and roadmap to net-zero.

Supported by Anthesis GHG inventory experts, including set up, training, and advice



Features



Understand Your Footprint and Act on It

- Dual focus on assurance and transformation.
- Complete confidence in your climate reporting and transformation activities.



Go Further and Deeper, Act Smarter

- Access data and insights from the world's leading climate transformation consultancy.
- Powered by 1,400 climate experts and 4,000 greenhouse gas footprints worldwide.



Balance Rigor with Ease of Use

- Streamlined greenhouse gas management from entry to analysis.
- Intuitive, easy-to-learn, and customizable platform.



Guide Through Complexity

- Comprehensive guidance from basic tech assistance to sector-specific climate analysts.
- Support navigating sustainability challenges with actionable strategies.



Adapt to Your Business

- Integrates with your existing infrastructure.
- Scales on demand and meets cost requirements tailored to your business.



The Comprehensive Solution

- A significant amount of configuration within Anthesis RouteZero, based on individual company complexities, is standard.
- With over a decade of industry expertise we offer true expertise within our platform.

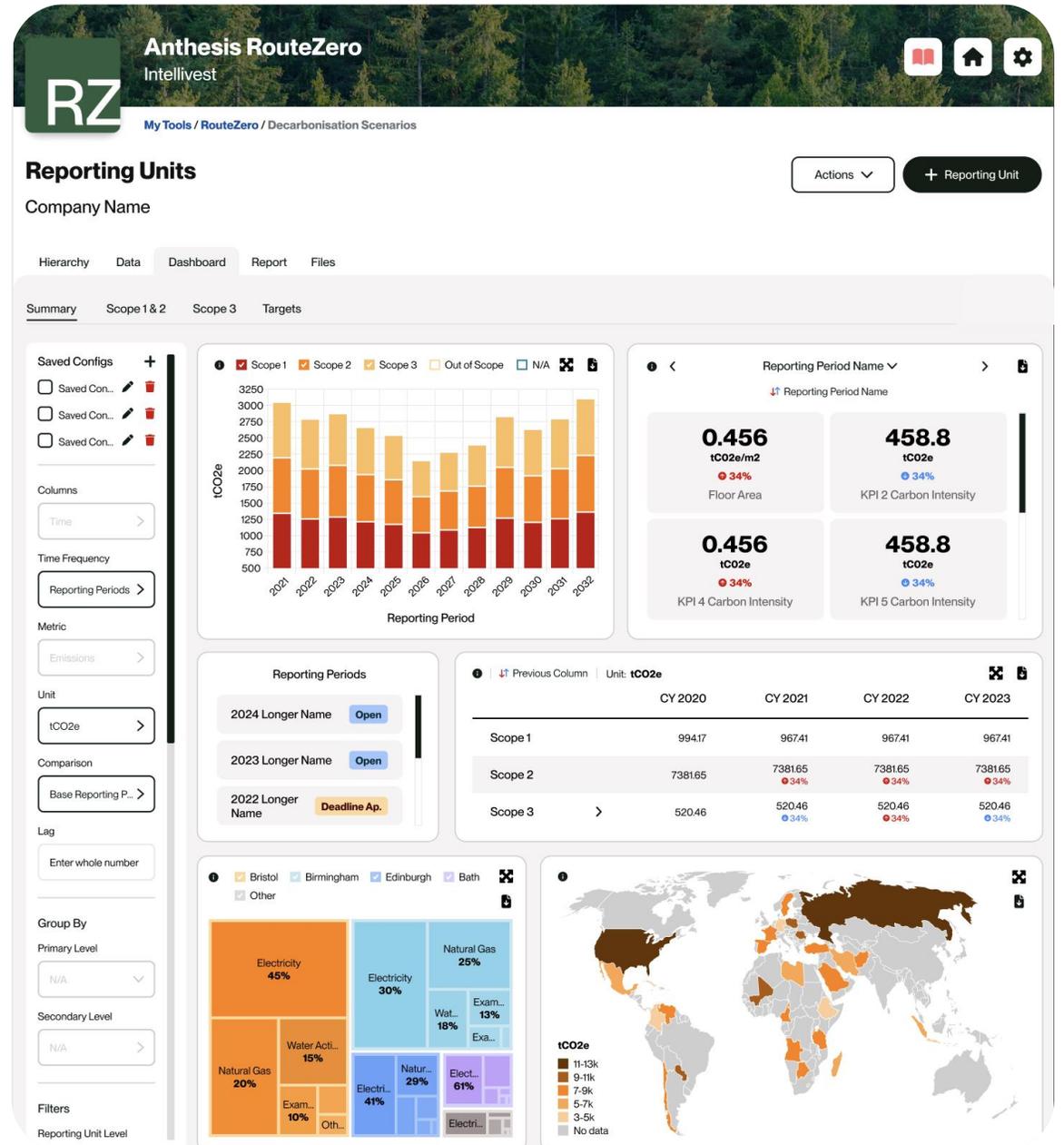
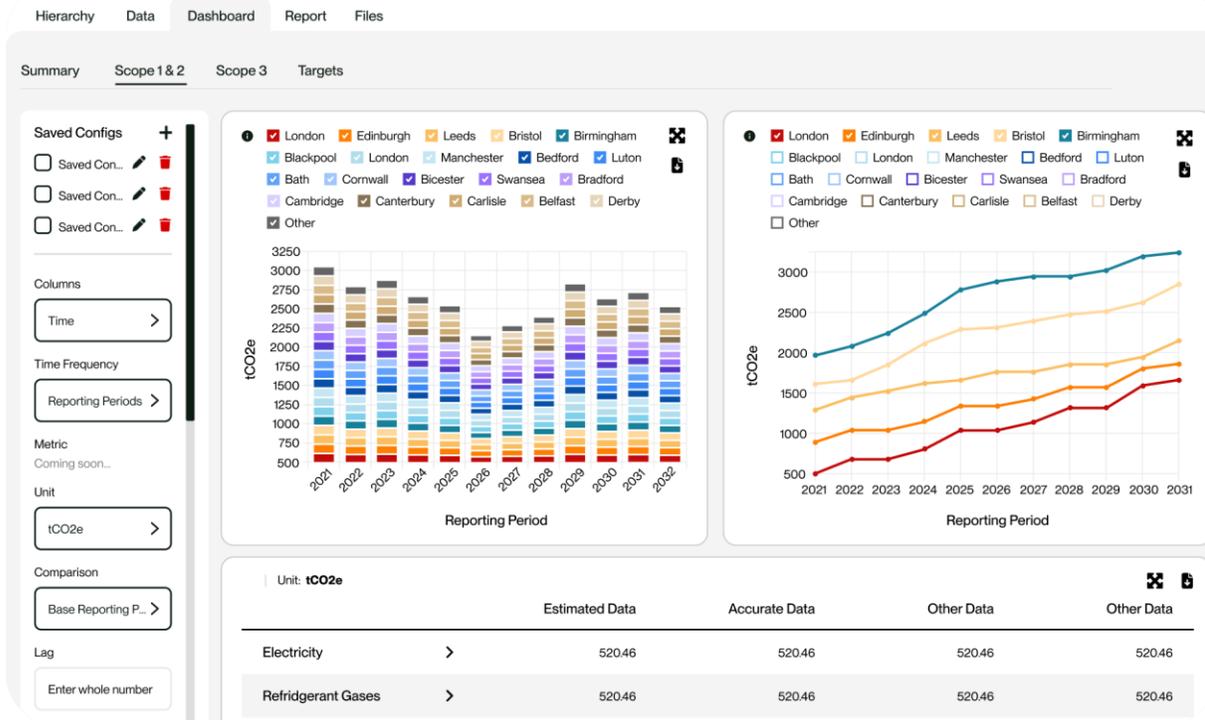


Dashboards

Anthesis RouteZero's standard dashboards are designed for ease of use, enabling seamless data extraction for further analysis.

With intuitive filtering, grouping, and accessibility features, data is readily available to all users.

Anthesis RouteZero also offers advanced dashboarding options, including pre-made templates and custom dashboards tailored to client needs.



Transparent Calculations

Anthesis RouteZero ensures full transparency in its calculations because Anthesis believes in complete openness with our clients. All users can explore transparent calculations, including detailed emission factor references.

When you click the calculator button, all calculations, along with the overall CO2 value, will be displayed.

By clicking the “i” button you can view the sources it used for these emissions calculations. For example, in the case of electricity purchases for an office in Australia, Anthesis RouteZero uses the Australian National Greenhouse Accounts Factors to ensure region-specific accuracy.



(0)	Period	Activity	Consumption	Data Quality	Created by	Evidence	Options
<input type="checkbox"/>	1 Jan 2023 - 31 Dec 2023	Electricity (purchased)	3244433.00 kWh	Actual Data	Lucy Tinson	None	i 📄 ✎ 🗑️

Calculations ● Calculated

Updated At: 12 Nov 2024 22:31

S1 Scope 1 S2 Scope 2 S3 Scope 3 OS Out of Scope NA Not Applicable

Consumption

3244433.00 kWh

Reporting Period Year

2023

Record period

1 Jan 2023 - 31 Dec 2023

Overview
Primary model: Electricity S2
T&D model: Electricity T&D S3
WTT T&D model: Electricity T&D WTT S3
WTT model: Electricity WTT ▶

Location — Less Details

EF Name: **ELECTRICITY; AUSTRALIA - NORTHERN TERRITORY**
Location: **Australia and New Zealand, Oceania, NT, AU**

CO2E

Total kgCO2e: **1751993.82**

kgCO2e per converted quantity: 0.54

×

kgCO2e per converted quantity(kWh): 3244433.00

i

Market — Less Details

EF Name: **ELECTRICITY, RESIDUAL; AUSTRALIA**
Location: **Australia and New Zealand, Oceania**

CO2E MKT

Total kgCO2e: **2627990.73**

kgCO2e per converted quantity: 0.81

×

kgCO2e per converted quantity(kWh): 3244433.00

i

Location

— Less Details

EF Name: **ELECTRICITY; AUSTRALIA - NORTHERN TERRITORY**
Location: **Australia and New Zealand, Oceania, NT, AU**

Source:
NGAF (2023)

✕
📄

Pre-formatted Reports

Anthesis RouteZero supports pre-formatted reports such as CDP. Anthesis takes on the responsibility of updating the templates of each framework requirement.

- ✓ Having pre-formatted reports allows for easy extraction of data with no, or very minimal, offline editing
- ✓ Formatting of report enables easy and efficient submission to multiple standards
- ✓ Data is live removing the need for constant updating
- ✓ Version control and ownership issues are removed using a digital solution

CDP	GRI	SASB	S&P
CDP Reporting			
C4.1a Details of Emissions Targets Scope 1 & Scope 2 Baseline, Current Year Scope 1 & 2			
	Year		
	Metric Tons CO2e (Market)		
Scope	2017	2021	
Scope 1	14,909,948	13,643,797	
Scope 2	264,877	220,053	
Grand Total	15,174,825	13,863,850	
C5.1 2017 Baseline Scope 1 and Scope 2 emissions (Location & Market-based)			
	Year		
	2017		
Metric Tons CO2e (Location)			15,176,849
Metric Tons CO2e (Market)			15,174,825
C6.1 Current Year Scope 1 Emissions			
Scope	Year		
Scope 1	2021		13,643,797
C6.2 Current Year Scope 2 Emissions			
Scope		Year	
Scope 2	Metric Tons CO2e (Market)	2021	220,053
	Metric Tons CO2e (Location)	2021	218,286
C6.3 Current Year Scope 3 Emissions			
Year	Scope	Scope 3 Category	Metric Tons CO2e (Market)
2021	Scope 3	1. Purchased Goods and Services	1,916,475
		2. Capital Goods	489,554
		3. Fuel and energy-related emissions	511,926
		4. Upstream Transportation and Distribution	401,307
		5. Waste Generated in Operations	111,016
		6. Business Travel	4,747
		7. Employee Commuting	134,510
		8. Upstream Leased Assets	2,730
Grand Total			3,572,266

C6.7 Emissions From Biogenic Carbon			
Year			
2021			
C6.10 Scope 1 & 2 mtCO2e/Revenue for Current & Prior Year and Change			
Year	Metric Tons CO2e (Market)	Revenue_USD	MT CO2e/Revenue
2017	15,174,825	10,041,500,000	
2018	15,208,448	10,040,900,000	
2019	15,078,339	10,299,400,000	
2020	14,322,366	10,153,600,000	
2021	13,863,850	11,295,000,000	
C7.1a Scope 1 Emissions Breakdown by CO2, CH4, N2O			
Consumption Type	CH4 (metric ton CO2e)	CO2 (metric ton CO2e)	Year 2021
Grand Total	11,934,211.44		1,7
Biodiesel	3.56		
Biomethane	327.74		
Diesel	1,218.52		1,2
Diesel - Off Road	225.89		2
Flaring	0.00		
Fugitive CH4	11,932,305.11		
Jet Fuel	1.03		
Kerosene	0.01		
Natural Gas	116.74		2
Propane	0.00		
Propane - Off Road	0.00		
Unleaded Gas	12.77		
Unleaded Gas - Off Road	0.07		
C7.2 CO2e Emissions Breakdown by Country			
Scope 1	US		



Data Security



Is data encrypted when at rest?	Yes, rest data is encrypted within the platform.
Is data duplicated within the servers?	No, client data is not duplicated.
Who is our cloud provider?	Our current cloud provider is Azure.
Do we use Single Sign-On (SSO) and/or Multi-Factor Authentication (MFA)?	Yes for both SSO and MFA
Is Anthesis GDPR compliant?	Yes, we can share our policy documents on request.
ISO27001 Certification	Anthesis Digital is ISO27001 aligned and has started its certification to the standard for its products with an expected completion by mid-2025
Data Security Practices	We adhere to OWASP 3.2 standards for our security framework. Our Azure Web Application Firewalls (WAF) is configured with OWASP 3.2 firewall rules to protect our applications. Additionally, we subject our application code to Qualys testing aligned with OWASP guidelines after every major release. To further enhance our security posture, we conduct external penetration tests annually and regularly assess vulnerabilities on our Ubuntu servers using Canonicals OVAL tool. All data held within Azure is Encrypted in transit and at rest.



FEATURES AND SUPPORT

**Anthesis
ROUTEZERO**

Competitor SaaS Solutions

Consultants carry out QAQC and validation		
Designed from over 4,000 GHG footprints globally		 Designed by software teams with minimal GHG inventory technical expertise inputs.
Provide custom support, with consultants being available to answer questions		 Black box approach with limited SME support or engagement from customer service teams.
Ready for verification and assurance		
Interoperability with Anthesis Supplier Engagement and ESG reporting tools		
Have clear next steps and support in one's climate maturity journey		
Additional support on gap-filling (based on company data or industry averages) where data is missing		



Anthesis' suite of interconnected digital modules to support sustainable performance across our client's value chains

Deep **supply chain** data collection at scale

Product level impact and LCA modelling

GHG inventory management and decarbonisation

ESG data management and reporting

Sustainability **learning** and training platform

Anthesis
**COMPLIANCE
SUITE**

Anthesis
**PORTFOLIO
PRO**

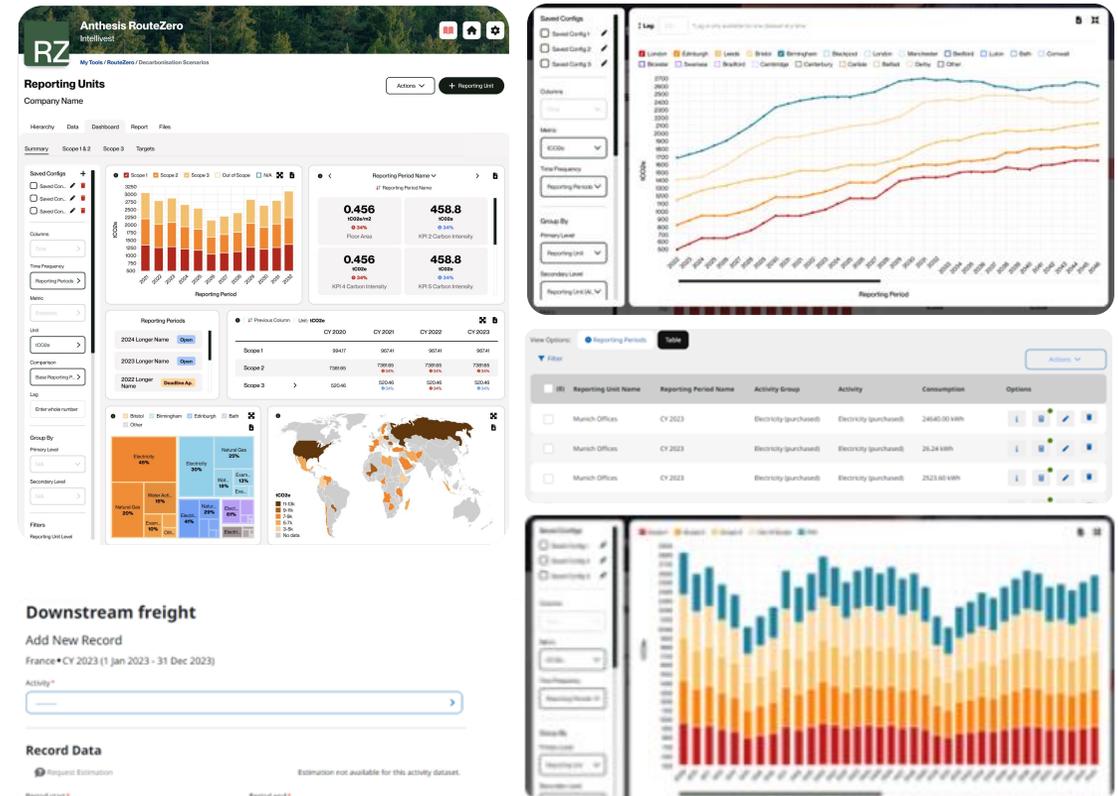
Anthesis
ROUTEZERO

Anthesis
MERO

Anthesis
**ACTIVATOR
ACADEMY**

Anthesis ROUTEZERO

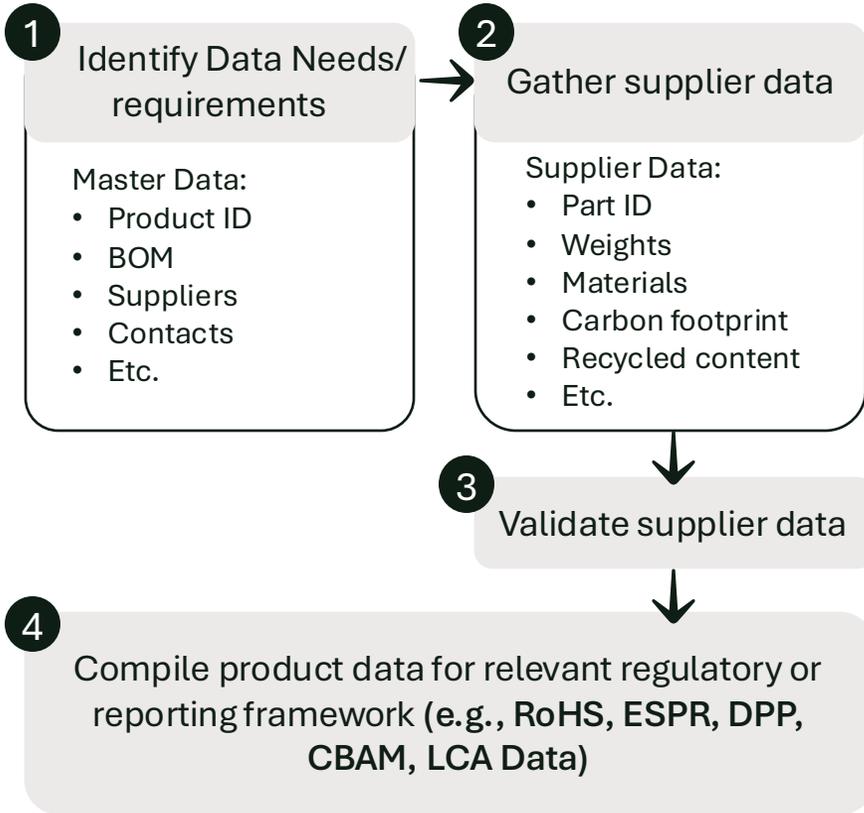
Anthesis RouteZero is currently being used by over 200 companies globally to manage GHG inventories of all sizes. Officially launched in November 2022 with a pilot throughout 2022, RouteZero has been developed to follow best practice and enable flexible methodologies for the reality of actual GHG inventories.



Anthesis COMPLIANCE SUITE

Supply Chain & Product Data:

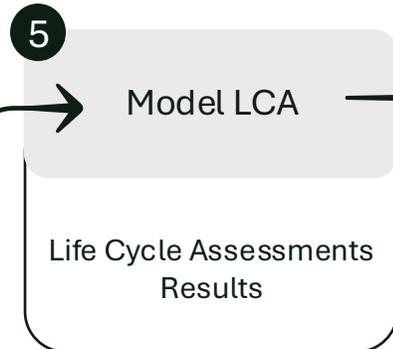
Collect & manage primary product data from your supply chain with Compliance Suite



Anthesis PORTFOLIO PRO

Product Footprints:

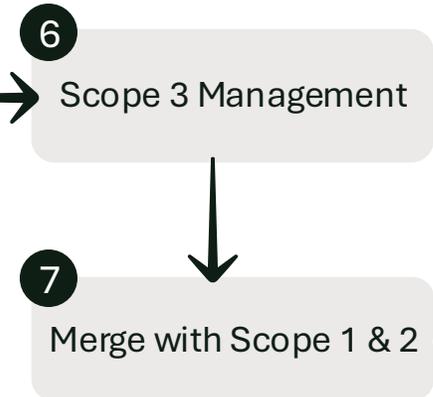
Collect & manage your product footprint / LCA with PortfolioPro



Anthesis ROUTEZERO

GHG Emissions:

Manage your Scope 1, 2, 3 emissions with Anthesis RouteZero



Anthesis MERO

ESG Disclosure:

Overlay financial controls and report ESG metrics with Mero

