Anthesis Compliance Suite (ACS) for A Digital Supply Chain
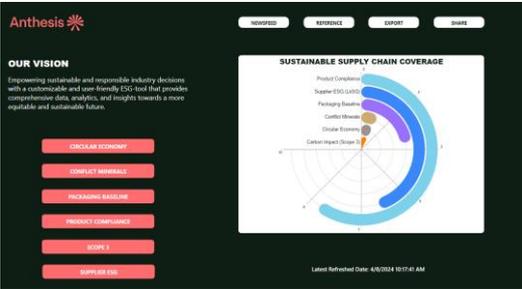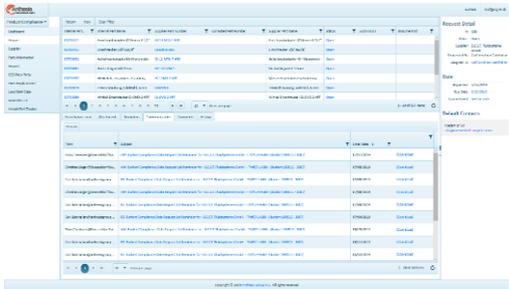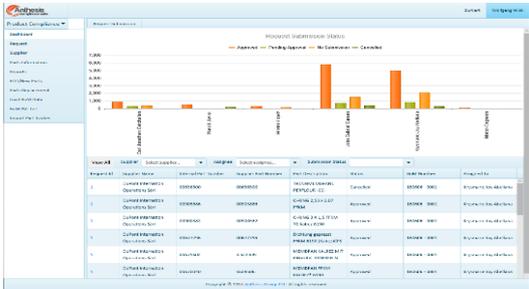
An increasing demand for high-quality compliance and sustainability data from the supply chain is a major pain point for today's businesses.

Anthesis Digital Supply Chain provides **an operational software architecture and integrated business services** to oversee master data requirements and **actively operates the business process** to manage supplier campaigns, validate, and digitize sustainability data. Data collection from the supply chain is an ongoing and recurring process and with our **Advisory Consulting**, it shifts the focus to the long-term development of supplier relationships and communications.

Anthesis Compliance Suite (ACS)

Our Compliance Suite **enables digital data management** and combines technology, data structures, workflow automation and process operations. The system can be deployed as a **comprehensive data hub** for multiple sustainability data objects, like material compliance, conflict minerals, supplier ESG, carbon impact etc.. It comes with **predefined sustainability data structures**, based on international data standards and best practices.

The solution covers client requirements out of the box and can be set up within two weeks. The system allows for piloting and ramp-up phases, with an increased focus on design customizations, process streamlining and extension of data structures.
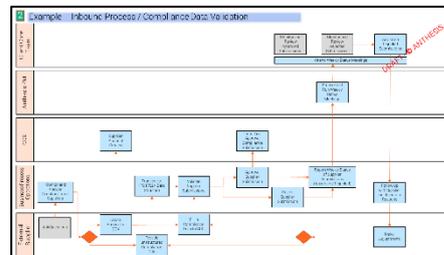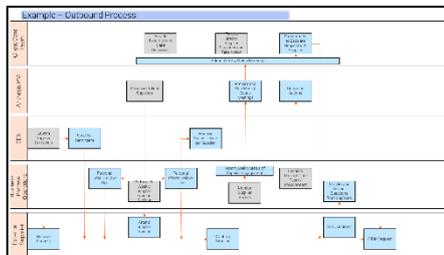
Business Process Operation (BPO) Services

Anthesis **provides qualified resources and expertise** to operate the supplier campaign process from beginning to end. With an actively managed request campaign, clients can **increase the submission rate significantly**, compared to non-managed campaigns. Our team will also validate incoming submissions and can **digitalize unstructured data** records.

The business process operation includes the following items:

- Preparation and review of master data
- Campaign launch, monitoring, follow-ups
- Supplier Training and Support
- Inbound Data Validation
- Data Mining and Digitization
- Escalation Management
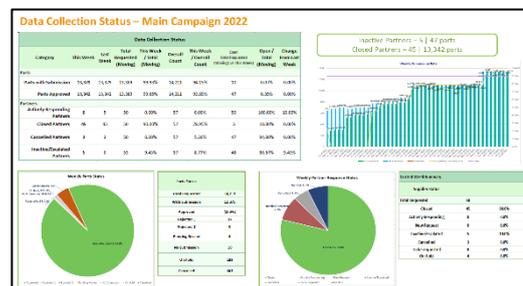- Data Analysis and Regular Reporting

The BPO team follows a standardized, but client-specific workflow, which is designed and documented in the beginning of the operations.

The number of compliance analyts, which operate the business process, can be adjusted flexibly, depending on the workload and requirements. Our analysts are located around the world to cover all timezones and support suppliers in different languages if required.

A typical scenarios for our BPO services are companies who have limited expertise and limited resources to ramp up on sustainabiliy data collection. After an initial phase of Anthesis-operated services, the company may review and take over the process with internal resources.

As part of the process operations, the team track and reports in bi-weekly client weeks on campaign metrics, supplier submissions and data quality.

Relevant Data Points

Many organizations have not centralized the area of sustainability and compliance yet. This leads to duplication of efforts and loss of integration potentials for the different data points. The Anthesis Compliance Suite combines all sustainability/compliance-related data into one central instance of operation and reporting.

Here is a list of relevant data objects and data points:

Material Specification

Weight, Dimensions, Volume, Color, Barrier Materials

Homogeneous Components, Component Type, Weight/Percentage, Metalized Layers

Supplier Material Number, Manufacturer

Circular Economy

Inks/Fillers, Pigment, Opacifiers

Plastic Form, Recycled/Recyclable Content, Reusability, Compostable Content

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Carbon Impact

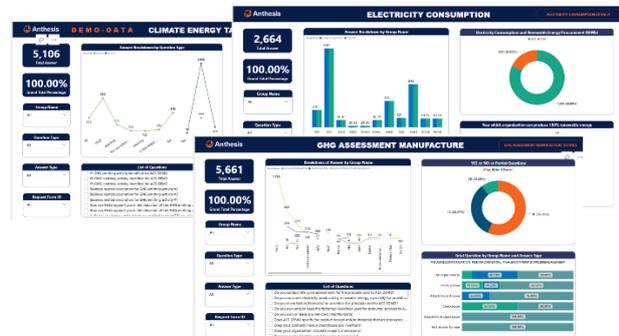Carbon Emissions Factor, Carbon Footprint Scope, Carbon Footprint Standard

Manufacturing Supplier Location, Country of Origin, Manufacturing Process

Wood-Fiber-Based Materials: Country of Harvest, Chain of Custody Certifications, Certification Validity

CBAM: Aggregated Goods Categories, Purchased Precursors, Relevant Production Process, Precursor Processes

Scope 3: Climate Energy Targets, Electricity Consumption, GHG Assessment Manufacture, GHG Inventory

LCA / Digital Product Passport

Extended Producer Responsibility / Packaging Compliance
Type (Primary, Secondary, Transport), Material Type, #Products per Pack, Pack Component, Plastics Content Material, Color, Weight, Sales/Volume by Country

% Recycled content / Recyclable content, Pre-Consumer, Post-Consumer

Compostable content / Reusability, Bio-Based Polymer Content

Sustainable Packaging Claims

WEEE

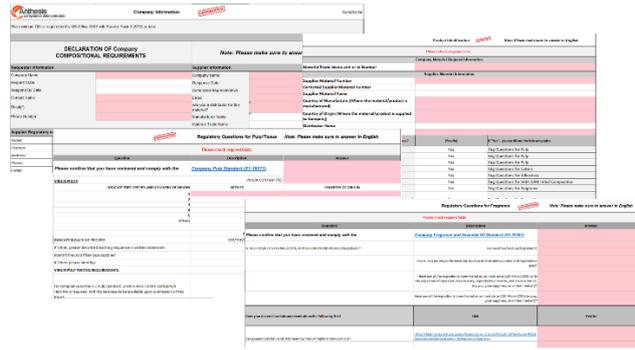Batteries

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Product Safety Clearance
Homogeneous Materials: Name, Type, Weight, Percentage

Full material composition: CAS#, Weight, Percentage, Homogeneous Material, Ingredient Type

Type of Material (Fibers, Adhesives etc.)

Relevant Documentation: SDS, TDS, Specification, Certificate of Origin, Food Contact Certificates, Test or Lab Reports, Toxicity Reports, FDA Compliance Statement etc.

Physical-Chemical Properties: Physical State, Density, Flash Point, Boiling Point, Melting Point, Vapor Pressure, PH, VOC etc.

Regulatory Compliance

Global Chemical Inventories: AIIC (Australia), DSL / NDSL (Canada), IECSC (China), REACH, ENCS / ISHL (Japan), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), KKDIK (Turkey), UK REACH (UK), TSCA (USA), KECI (Korea), etc.

Global Compliance Lists: Cal Prop 65, CMR, REACH Annexes XIV/XVII, REACH SVHC, CERCLA, TSCA, PFAS etc.

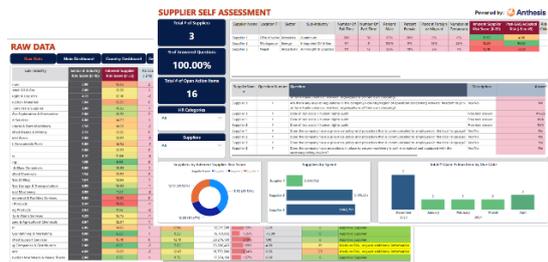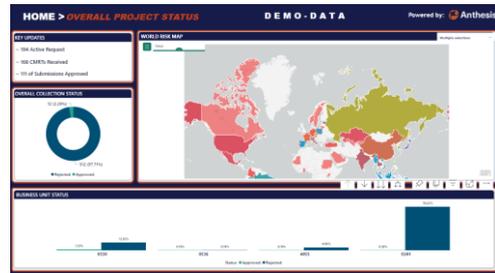Global Requirements: Animal Derived Ingredients, Plant Derived Ingredients, Palm Oil etc.

Presence of Oxo-degradability Adhesives, Mineral Oils, Microfibers

US & EU Conflict Minerals

Rare Earth Metals, Conflict Minerals and Countries

Vendor Risk Assessment: Management Systems in Place, Conflict Countries, Critical Smelters, Data Quality

Smelter Risk Assessment: Smelter by Metal, Smelter Risk, RMI Validation

Supplier ESG

Supplier Risk Assessment: Regional, Industrial, Sector Risks

Human Resource Assessment: Child Labor, Demographics, Discrimination, Forced Labor, Compensation and Benefits, Grievance Mechanism, Harassment and Abuse, Health, and Safety etc.

Link to other topics, e.g. Conflict Minerals, Regulatory Compliance etc.

Other Process Relevant Items

Management of Non-Disclosure Agreements

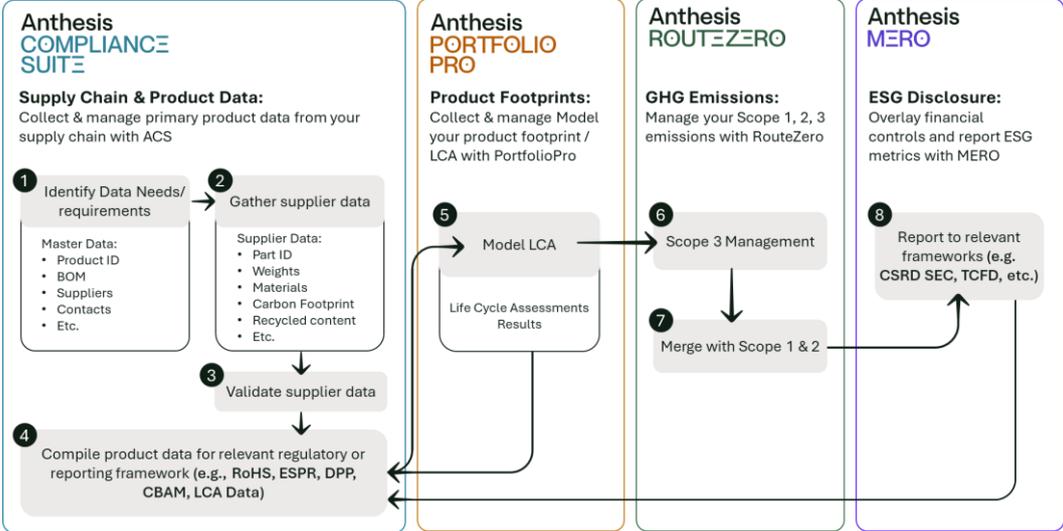Responsible Point of Contact per Topic: Name, Email, Position

Lower Tier Supply Chain: Company, Contact, Email

Supplier Metrics: Turnaround Time, Data Quality, Responsiveness, Type of Submission/Effort

SUPPLIER SCORE			
COMPLETION RATE	RESPONSIVENESS	DATA QUALITY	SUPPLIER'S EFFORT
22.89 (Max 25)	18.64 (Max 25)	6.79 (Max 25)	20.16 (Max 25)
#Parts "Approved"	Response Ave TAT	Class A	Supplier Outreach
116,448	22.47 Days	93,237 (80.69%)	96,227 Parts (83.51%)
#Parts Overall		Class C	Data Mine
168,188		10,741 (9.3%)	18,997 Parts (16.49%)
		Class D	
		11,571 (10.01%)	

Integrated Software Architecture

The data collection process usually feeds into an extended software landscape, to cover requirements around lifecycle assessments, carbon emission calculations or sustainability reporting. As part of the deployment of ACS, we will review and support the existing software architecture and adapt to relevant data exchange structures. Direct integration may be possible, either per web service connection or direct integration among other Anthesis solutions.

The Anthesis Compliance Suite integrates with other relevant sustainability tools.

Portfolio Pro: Product and packaging LCA

RouteZero: Scope 1, 2, 3 emissions

Mero: Sustainability reporting for standards like CDP, GRI, ESRS, CSRD etc.

Further information on our digital landscape can be found on anthesisgroup.com/digital.