TOPOLYTICS®

BRITISH AIRWAYS

High quality insights and ESG metrics from complex waste supply-chain data

The data driven opportunity

British Airways has a strong tradition of managing and reducing its environmental impact. It's roadmap to achieving net zero carbon emissions by 2050, includes short, medium and long-term commitments. This work includes a public focus on waste, in particular the elimination of single-use plastics where sustainable alternatives exist and a reduction in food waste. British Airways measures its progress and reports directly and via its parent company, International Airlines Group (IAG).

Waste management and recycling data is collated and compiled by the Environmental Compliance team. Noting the significant resources expended on compliance, measurement and reporting on waste and how it is managed, British Airways secured a licence to WasteMap® in 2022.

The Topolytics team initially worked with British Airway's main contractor at Heathrow to identify key sources and types of waste and other infrastructure involved in its collection, storage and processing. Our onboarding team then assisted the contractor to upload key data on waste collections and movements into WasteMap®, where the data is cleaned and validated, generating insights that support reporting and compliance functions.
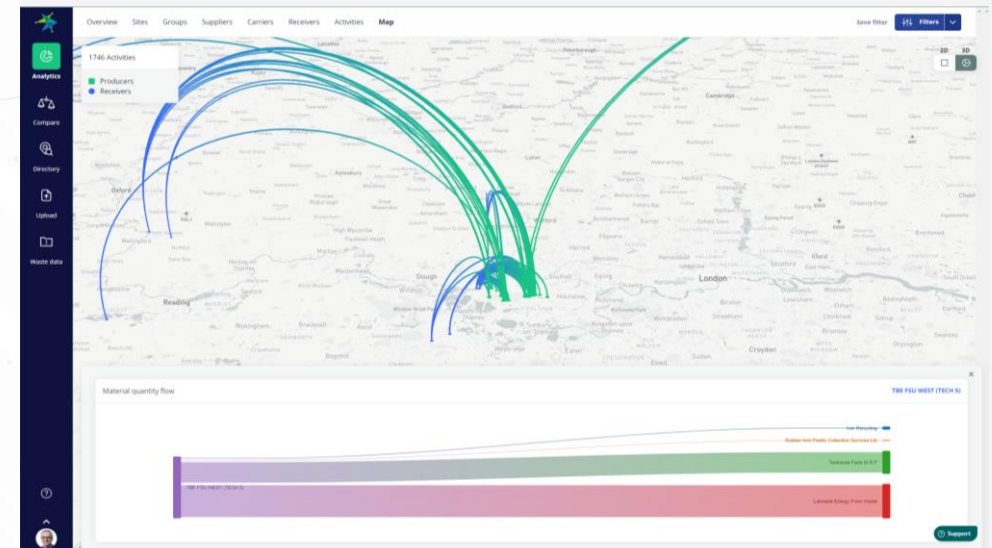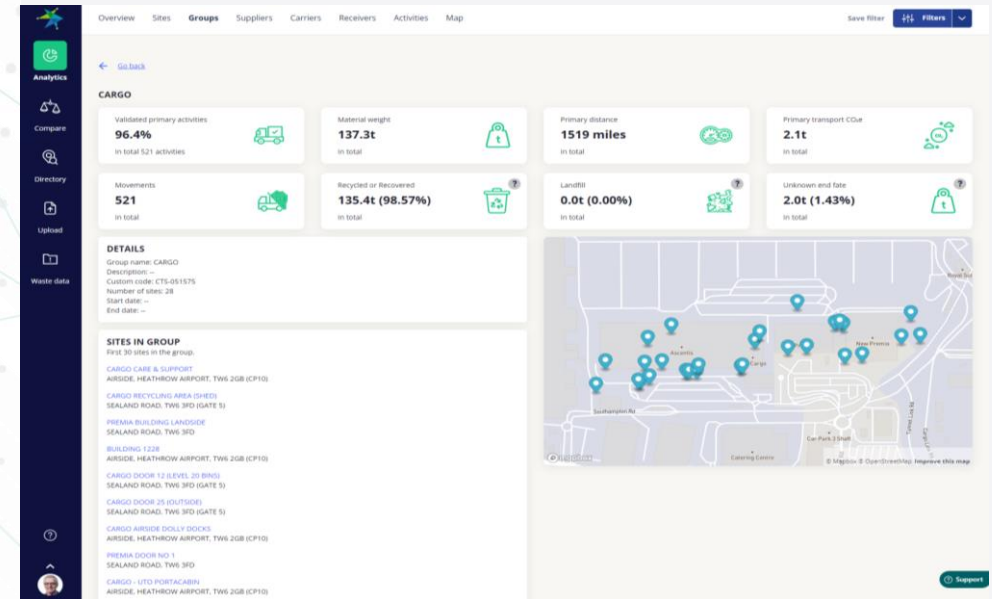
What WasteMap® does….

Actionable insights across a complex supply chain

WasteMap® is providing a clean and standardised view of waste types and amounts and what happens to this material across a range of sites and business units. This single view is helping British Airways to validate compliance, compare performance across business units and support the measurement of carbon impact. The data can be interrogated per sites, business units, contractors, materials types, dates and other metrics.
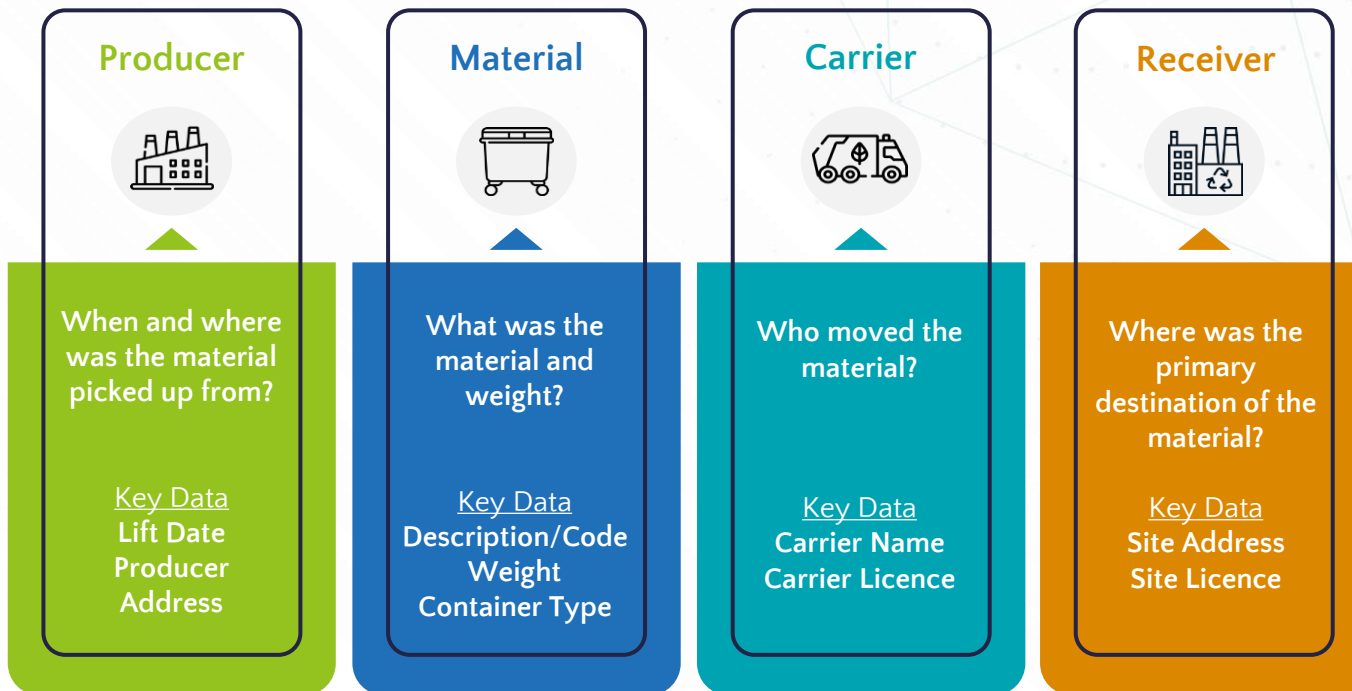
Robust and auditable ESG metrics

The WasteMap® report builder allows British Airways to generate point in time outputs compliant with the Global Reporting Initiative (GRI) ESG standard. This is greatly reducing the time taken to understand and normalise data from multiple waste contractors. The output is built on the validated, granular waste contractor data fed into the platform, which is readily auditable. The report builder enables customers to interrogate data on materials, suppliers, sites, business units and other key metrics. Data can also be exported into other business intelligence tools.

About WasteMap®

WasteMap® is an analytics platform that ingests data from internal systems and the waste supply chain. It cleans, normalises and analyses this data, augmented by Topolytics own reference sets and knowledge base. WasteMap® works with the data and systems in place within a business and across its waste/recycling supply chain. This may be in CSV/spreadsheets or called from software systems or other databases. Topolytics' onboarding process ensures that data on waste movements are fed into the system – automatically or via an upload. Our customers then access their WasteMap® dashboard through an annual subscription to the platform.

We turn complex waste supply chain data….

Producer	Material	Carrier	Receiver
When and where was the material picked up from?	What was the material and weight?	Who moved the material?	Where was the primary destination of the material?
Key Data Lift Date Producer Address	**Key Data** Description/Code Weight Container Type	**Key Data** Carrier Name Carrier Licence	**Key Data** Site Address Site Licence

….into actionable insights

Organise and standardise complex waste supply chain data:

Create high quality ESG metrics and reports

Compliance & KPI validation

Measure carbon and environmental impact

Identify resource and materials efficiencies

Underpin 'closed loop' models

TOPOLYTICS™

About Topolytics®

Topolytics is a leading player in the growing £3.3bn global smart waste management market^

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