



Digital solutions for sustainable flying

and next-level breakthrough practices to help you lead the path to sustainability

Be environmentally responsible.

Act now!

The concept of sustainability is not new to the aviation industry. However, airlines are yet to take a holistic view towards sustainable flying and make this concept the new norm. While it is known that aviation accounts for nearly 3% of global carbon emissions, the fact remains that there is no single path to achieve sustainability. Airlines have been taking several measures to reduce fuel emissions—from investing in sustainable aviation fuel to new aircraft technologies, but there is a need to extend the sustainability measures across the value chain to achieve net zero.

At Nagarro, we believe digitalization can be a game changer for airlines on the path to net zero, and bring to you a tailored, multi-dimensional approach to instill sustainability at the heart of your airline's ecosystem. Our digital solutions are aimed to make a positive impact across your value chain and ensure that you meet your sustainability goals.

Ready to start your sustainability journey?

We are here to help!



Key challenges:

-  Limited understanding of carbon emissions across the airline value chain.
-  Complex and manual process to track progress towards sustainability goals and identify impact from any initiative.
-  Brand management to instill passenger outlook to sustainable flying.
-  Operational processes leading to inefficient resource utilization and higher carbon footprint.

Our net zero mission strategy



Reporting on environment and sustainability

One-stop platform to visualize, analyze, and track greenhouse emissions.



Enabling smart operations

Digital solutions backed by deep data insights to evaluate, forecast, and optimize operations that are sustainable.



Fostering eco-conscious travelers

Green offerings to empower passengers to choose sustainable flying options.

Reporting on environment and sustainability



so you know what's changing and when to act upon

Understand your holistic carbon footprint by capturing data across Scope 1, Scope 2 and Scope 3 emissions. Track your sustainability goals and visualize the impact of your initiatives towards your goals.

Create connected data sources

Bring in integrated and automated flow of information to establish a single source of truth to achieve carbon neutrality.

Generate actionable insights

Slice & dice the data to generate business intelligence to get a step closer to carbon neutrality.

Fill in missing gaps

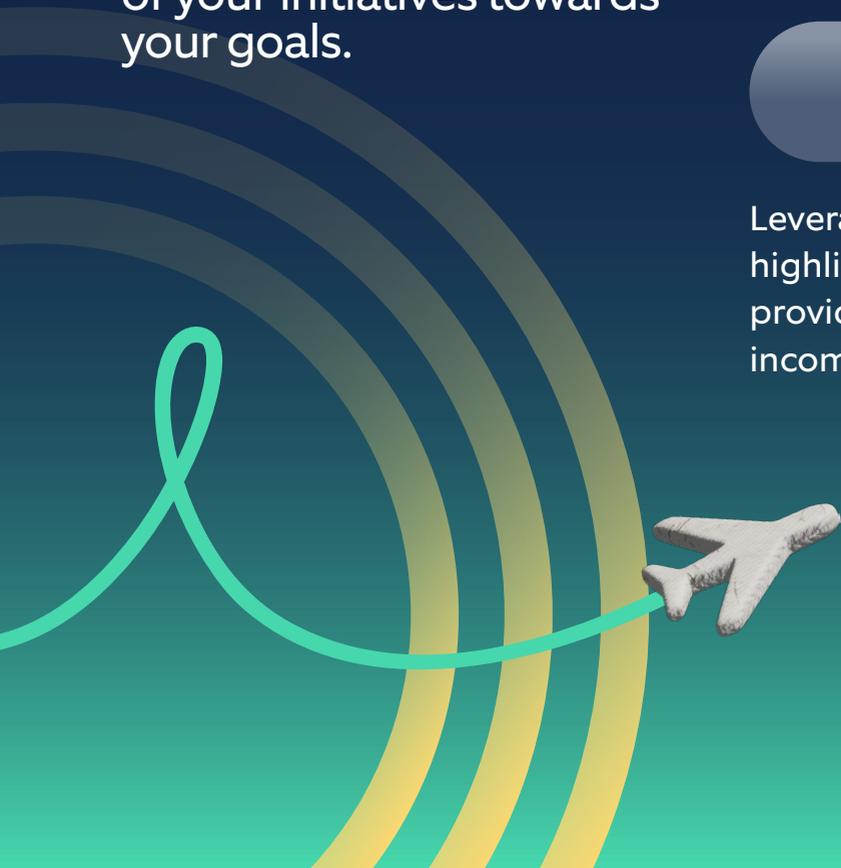
Leverage our analytical dashboard that highlights missing emission records and provides an intuitive interface to add incomplete or blank data.

Visualize, quantify and benchmark

Track progress through automated carbon emission calculations and data visualization.

Provide seamless auditing

Compile data into standard audit reports; provide data access to auditors through dashboards.



Enabling smart operations

by thinking breakthrough use cases with intelligent technology



Forecast fuel consumption

Leverage AI and ML platforms to measure, analyze, and predict fuel consumption to reduce extra fuel burn.



Avoid last minute changes

Use analytics and algorithms to avoid last minute changes and prevent delays at the apron and the runway.



Optimize meal planning

Forecast food consumption and improve waste management with our intelligent data-driven insights.



Implement predictive maintenance

Visualize trends and patterns of defects/malfunctions, part's wear and tear, leaks, etc. using computer vision solutions and reduce sudden malfunctions.



Eliminate paper use

Digitize manual and paper-based operations and increase the efficiency of your staff.



Anticipate passenger volume

Use historical trends and past data to manage traffic flow.



Manage resources

Manage water and electricity consumption with IoT-driven solution.



Ensure route optimization

Increase flight efficiency with ML-based flight and route monitoring, considering weather and other factors.

Fostering eco-conscious travelers

because sustainable flying is also an opportunity



The premium eco-conscious segment of passengers is growing fast. Airlines have an opportunity to disrupt the current price sensitive market by adapting to sustainable flying measures and grabbing a huge portion of this premium segment.

Promote offerings and guides with environment-friendly travel plans and recommendations

Know and manage per passenger waste contribution

Create brand promise on sustainability

Measure and share per passenger emissions for the flight and options to offset them

Mine passengers' opinion on sustainability initiatives and implement their feedbacks

Segment, identify, and personalize offers for the eco-conscious passenger



Why Nagarro?



Nagarro has a strong focus on sustainability, which is embedded in our **CARING core values, our culture and in many of our social and environmental activities.**

Nagarro was rated as 'Green', which indicates strong performance in all three sustainability parameters – Environment, Social, and Governance.



Environment

Strong on environment commitments like efficient use of natural resources, controlling emissions, and environmental management and stewardship.



Social

Strong on initiatives and policies on the social front, and reasonable in its diversity quotient. Noted for projects like "Testing Pro – CARING for Autism" that reflects inclusive approach.



Governance

Strong in corporate governance with "coherent and defined policies" that encourage transparency and business ethics.

15+
Years' experience in airline product engineering

30
Countries

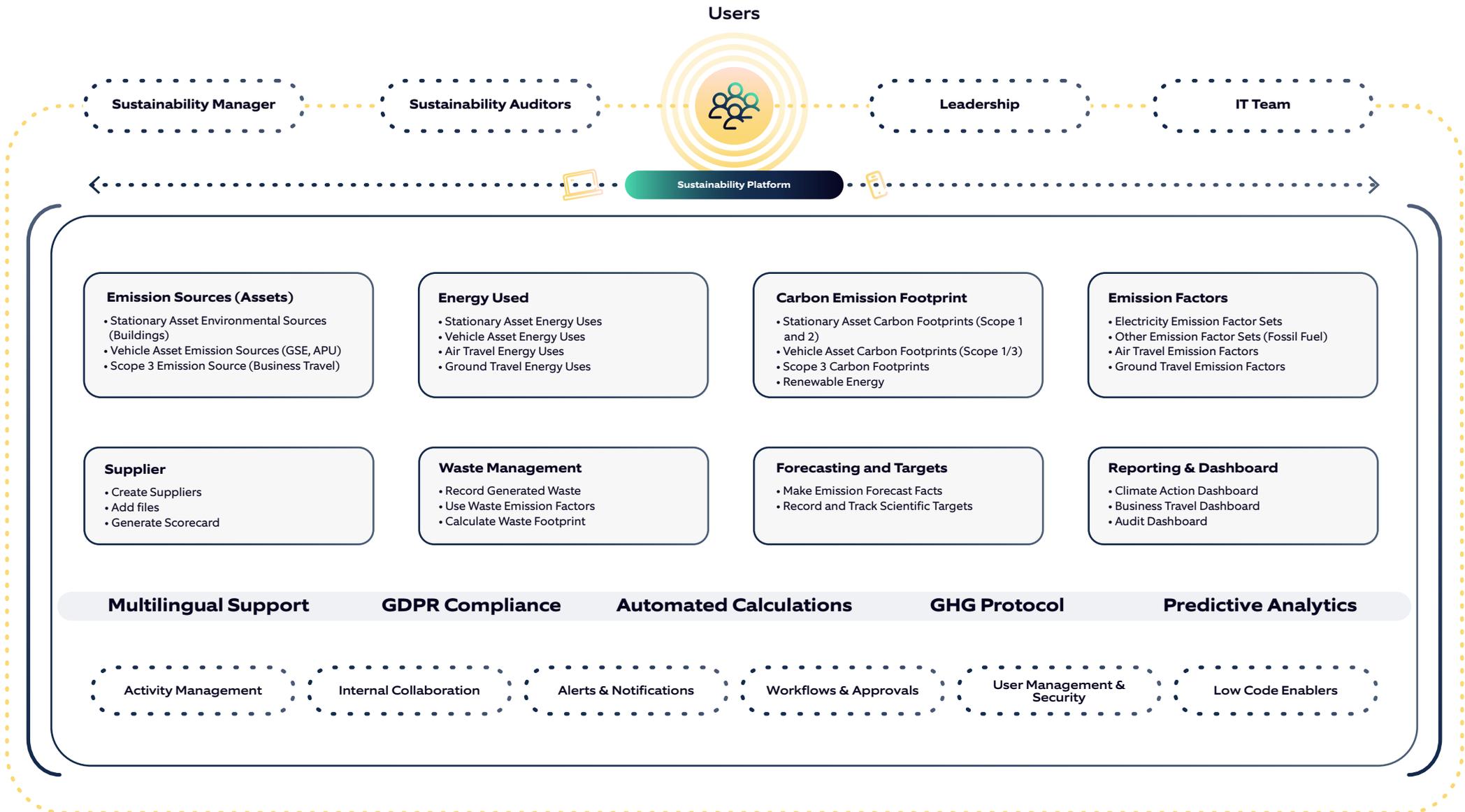
16,000+
Experts

98.9%
Offered solutions match client's expectations

Nagarro's cloud-based Sustainability Platform



A single tool to manage all sustainability activities, along with comprehensive reporting



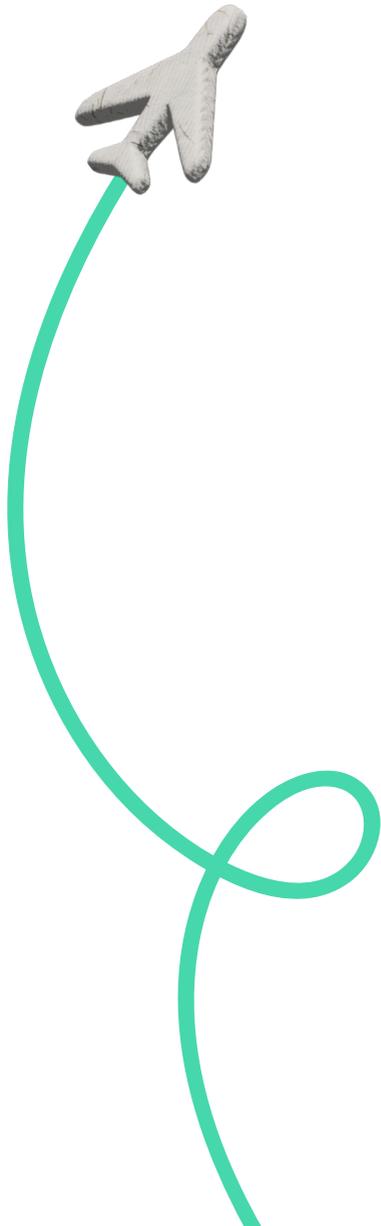
About Nagarro

Nagarro is a global digital engineering leader with a full-service offering, including digital product engineering, digital commerce, customer experience, AI and ML-based solutions, cloud, immersive technologies, IoT solutions, and consulting on next-generation ERP. We help our clients become innovative, digital-first companies through our entrepreneurial and agile mindset, and we deliver on our promise of thinking breakthroughs.

We have a broad and long-standing international customer base, primarily in Europe and North America. This includes many global blue-chip companies, leading independent software vendors (ISVs), other market and industry leaders, and public sector clients.

Today, we are over 16,000 experts across 30 countries, forming a Nation of Nagarrians, ready to help our customers succeed.

Thinking Breakthroughs



Your path to sustainability is just a mail away!

Get in touch with our industry experts

contact us at:
explore.tnl@nagarro.com
to kickstart a conversation.

For more about us, visit www.nagarro.com