



GE Aerospace

SOFTWARE

Fuel Insight for Airlines

Your partner in fuel efficiency and emissions reduction

Create and maintain fuel efficiency programs that scale with you and empower your teams to visualize and understand fuel usage and emissions. **Fuel Insight** is a solution that enables access to a full spectrum of data, visualization, and analysis needed in one place to get the most out of your fuel program, faster.



Identify

Identify, quantify, and prioritize fuel savings initiatives. Alert fuel analysts of opportunities to reduce overspend and leverage our global team of experts to help you review, analyze, and operationalize high-value insights.

Adapt

Adjust operational procedures based on best practices supported by trusted, data-driven insight. Harness your highest-valued data to promote confidence in the measurements.

Deliver

See results in your data as fuel overspend diminishes, savings add up, and carbon emissions are reduced. Easily share those results within your organization.

Maximize fuel efficiency with personalized analytics for pilots

When paired with Fuel Insight, FlightPulse® puts data directly into the hands of pilots, allowing them to see their personalized savings scorecard over time.

- Pilots who understand their own performance can make adjustments to maximize safety and efficiency
- Secure benchmarking and data sharing lets crew members see how they stack up and understand their contribution to projects
- Dramatically shorten the feedback loop by automatically and securely matching pilots to flight data



Customer Success Story

Malaysia Air attributes **201kg of fuel savings** to their work with GE Aerospace's fuel experts, achieving 1,477kg lower fuel burn than planned.

"Through these solutions, we seek to play a greater part in building a legacy for future generations and enhancing our own airline's sustainability efforts."

Ahmad Lugman Mohd Azmi - Group Operations Officer, Malaysia Airlines



More reasons to choose Fuel Insight

Fuel Insight empowers users with realistic fuel consumption metrics to optimize fuel planning and efficiency

- Access 50+ industry-leading fuel initiatives in GE Aerospace's catalog (Mainline)
- Measure effectiveness of fuel saving and emissions initiatives by allowing airlines to drill down and identify corrective actions to improve adoption
- Increase fuel savings with optimized airspace management (Mainline)
- Compare fuel efficiency by historically used direct shortcuts and actual vs. planned, allowing future flight plans to be more efficient
- Automate approach procedure detection and preparation for the underlying analytic
- Increase fuel savings by adopting a statistical based approach to fuel planning (Mainline)
- Easily integrate with flight planning systems
- Calculate aircraft performance factors to increase the frequency of performance factor adjustments into flight planning system and add more realistic fuel consumption to each flight
- Leverage GE Aerospace's APM Editor to customize existing analytics or add new custom analytics to better match your operations (Mainline)

Fuel Insight helps analysts spend less time organizing data, and more time driving change in their operation

- Reduce time and effort in collecting data from other sources to get visibility into common operational behaviors that impact fuel savings
- Prioritize fuel savings projects and implementation to realize fuel savings with quick assessment on proposed aircraft weight reduction initiatives
- Automatically compute and visualize aircraft degradation to reduce time of analysis
- Implement and effectively adopt correction actions by identifying new fuel procedure savings, as well as fuel saving root causes in PDF, tabular data, 3D view, and any other format needed for investigation
- Easily identify fuel saving initiatives' potential impact on safety to improve trust and coordination between safety and fuel departments
- Accelerate time to value and increase effectiveness of fuel saving initiatives through industry benchmarking and best practice sharing within the community
- Leverage GE Aerospace's proprietary automated algorithm (Block Cost Model) to get recommendations on which initiatives will deliver the biggest impact to your unique operation
- View trends of fuel procedures and related measurements, quantify impact of previous efforts and prioritize new efforts, and reduce time to value when it comes to root cause and procedure validation with flight data visualization
- Save time identifying and assessing roles in the fuel program, increasing senior level support and engagement with dashboards

Fuel Insight helps airlines meet emissions requirements and be a source of truth for carbon compensation and compliance

- Understand ways to overcome emissions reduction challenges while lessening fuel analysts' time spent gathering, analyzing, and generating compliant reporting for CORSIA and ETS – with accessibility, visualization, and automated emissions reporting (Mainline)
- Track fuel efficiency metrics according to the IATA standard KPIs with our Sustainability Report (Mainline)