

GE Aviation

Fuel & Carbon Solutions



a product of
ecomaginationsm



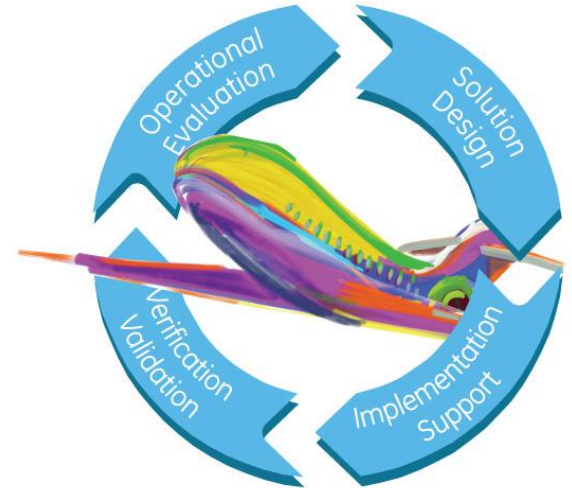
imagination at work

geaviation.com/onpoint

Fuel & Carbon Solutions

GE Aviation's Fuel & Carbon Solutions are designed to help commercial aircraft owners and operators reduce their overall cost of ownership through a comprehensive, consultative approach. The program provides customers insight into their operations and identifies measurable savings opportunities by analyzing data, recommending solutions and monitoring results to validate improvements.

Using advanced technology, GE technical experts across flight operations, planning, engineering and maintenance will accurately measure fuel and carbon usage, identify current best practices and reduction opportunities, and develop a strategy for implementation. Solutions can range from hardware upgrades, to Lean Six Sigma process improvement techniques, to advanced diagnostic capabilities, emissions monitoring and flight management products.



Path to operational efficiency



GE's new technology will take current airline data, relate the information around fuel, and provide insight to help:



- Remove guesswork from the decision process required to affect changes to business practices, operational equipment and systems, or policies
- Act as your early warning system to prevent hidden fuel waste by continually monitoring key data relationships



The advanced technology software includes:



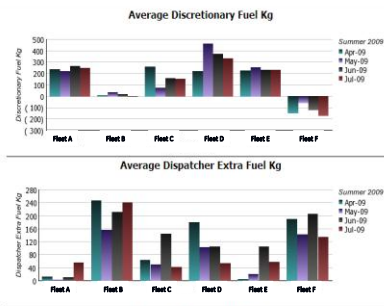
- Planned versus actual scorecards and dashboards
- Reporting and analysis
- Notification across your existing systems and external sources to drive optimal fuel performance for the airline

Actual vs. Planned

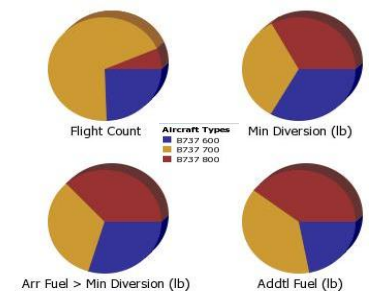
All Flight Phases						
	Flight Engine Burn Kg			Performance		
	Actual (x)	Plan (y)	(x-y)	(x/y) %	# Rights	Click
Fleet A	1238	1235	-30	99.87%	68	●
Fleet B	2391	2378	-140	99.77%	125	●
Fleet C	10278	10258	-20	100.24%	49	●
Fleet D	3248	3240	-88	99.51%	34	●

Taxi Out Phase						
	Taxi Out Engine Burn Kg			Performance		
	Actual (x)	Plan (y)	(x-y)	(x/y) %	# Rights	Click
Fleet A	234	229	- 25	90.42%	655	●
Fleet B	183	245	- 62	74.57%	2,031	●
Fleet C	1,186	1,125	61	105.38%	59	●
Fleet D	1,233	1,125	108	109.63%	34	●
Fleet E	374	401	- 27	93.27%	156	●
Fleet F	667	660	27	104.04%	271	●

Fuel Variation



Aircraft Type Comparison



This technology, combined with the knowledge within GE Aviation, is a solution for every airline – small or large operations, flight deck to CEO. This solution takes a step beyond the powerplant, since there are more ways to save fuel than only looking at how an engine consumes it.

For more information, contact GE's Aviation Operations Center.



imagination at work