GoDirect Fuel Efficiency
Reduce your fuel costs

Overview
The economic impact of efficient fuel management is huge. Fuel is the largest, or one of the largest, cost factors in an airline. Depending on the airline, fuel costs represent 20% - 40% of the total costs of an airline. IATA states that an airline having a successful fuel savings program can reduce its fuel costs by 3% to 5%.

The fuel conservation solution from Honeywell provides a full range of data analysis, reporting, and monitoring tools to help airlines achieve these savings. The GoDirect Fuel Efficiency software performs the following main functions:

- Collects data automatically from the various IT systems of an airline
- Checks and improves the quality of the data
- Provides sophisticated analysis-tools to identify fuel savings potential
- Provides tools to monitor the progress of the fuel efficiency improvement program
- Communicates the results to the stakeholders

Fuel efficiency improvement program
According to IATA (“Guidance Material and Best Practices for Fuel and Environmental Management”) the following is required to minimize overall operational costs such as fuel costs, delay costs, maintenance costs, etc:

- Effective communication
- Efficient procedures
- Adequate training
- Proactive management of each flight
- Continuous monitoring of each flight
- Coordinated situational awareness on every flight

Fuel savings initiatives can only be successful if the communication with the various stakeholders can rely on accurate data. If the fuel efficiency data is not accurate, stakeholders will be reluctant to cooperate, and the whole fuel efficiency program will be jeopardized.

Honeywell provides various tools to communicate effectively and accurately with the stakeholders. The communication can be tailored to the needs of the recipients. For example, a CEO can see the overall savings of the company, a head of department can see how the initiatives in the department are progressing, and a pilot can see his data compared to his peers.

Measure to manage
The well known management adage “you can’t manage what you don’t measure” is of particular relevance for fuel efficiency improvement programs. An airline can only improve if it is clear which initiatives are making progress and which are not. It is crucial to know day-by-day and flight-by-flight, whether the initiatives are really carried out. The GoDirect Fuel Efficiency software keeps track of the actual and planned data for each and every flight, and every flight can be thoroughly analyzed and compared with the target values to be achieved.

Fuel Efficiency software
The GoDirect Fuel Efficiency software contains the four parts: Data collection, Data quality assurance, Analysis, and Communication.
Benefits for operations

- More than 100 ready-made reports to identify fuel savings potential
- Flexible tools for rigorous monitoring of the fuel efficiency improvement program
- Support for communication with the stakeholders
- KPI's (key performance indicators) for quick management overview
- Availability of airline business consultants with extensive experience in fuel efficiency

Benefits for IT

- Proven and reliable software
- Low license and low operating costs
- Different deployment options (installation at customer or ASP-hosting at Honeywell)
- Flexible architecture and tools to support importing data from other IT systems
- Innovative validation- and check-routines to achieve high quality data

Data collection

Typically, all data required for the fuel efficiency improvement program is available somewhere in the different IT systems of an airline. The challenge is to identify in which IT system the data is stored and how to retrieve it. Data from the following IT systems can be used:

- Flight schedule system
- Flight planning system
- FDM/FOQA
- Load information/DCS
- ACARS
- Fuel accounting / inventory system
- Tech log and/or EFB

The GoDirect Fuel Efficiency data warehouse stores more than 1'000 parameters for each flight. Honeywell supports an airline in importing the required information from its various IT systems and even provides ready-made import adapters for several of the leading IT systems.

Data quality assurance

A crucial aspect for a fuel efficiency improvement program is to have high quality data. The GoDirect Fuel Efficiency software achieves this by applying a broad set of validation and check routines, such as cross-checks, completeness checks, statistical checks, and gross-error checks.
**Analysis**

The analysis has two main purposes:
- Discover the fuel saving potential
- Monitor the progress of the fuel efficiency improvement program

The GoDirect Fuel Efficiency software contains more than 100 ready-made reports allowing countless ways to compare, combine, and drill-down the data. If required, the reports can easily be extended according to the needs of an airline.

The various reports allow an airline to discover the areas having real fuel savings potential. The software not only reveals the areas having savings potential, but is also able to quantify the potential fuel savings.

Once the improvement potential is identified and quantified, it is important to define concrete improvement initiatives. The GoDirect Fuel Efficiency software supports specifying the targets and the time-frames for the implementation of the initiatives.

The software monitors the progress of the initiatives and shows all deviations. Each deviation can be analyzed to determine the reason for the deviation.

Honeywell provides easy to understand overview information including KPIs (key performance indicators) as well as very detailed information down to each and every flight.

**Communication**

A successful fuel efficiency improvement program requires substantial changes in an airline. This is only possible with commitment of the stakeholders, a well-organized change-management program, and effective communication.

The GoDirect Fuel Efficiency software supports communication in various ways, such as:
- Bulletins and news
- Dashboards and online reports

The communication can be tailored to the needs of the different stakeholders, and who has access to what information can easily be configured.
"In 2011 we have decided to replace our old fuel management software with a more sophisticated solution. We have chosen Honeywell (formerly Aviaso) due to its state-of-the-art technology and its excellent support. We at Condor are very happy with the results achieved. Honeywell helps us to manage a complex environment and to create real and measurable benefits."

Captain Frank Lumnitzer, Fuel Management & Navigational Standards Condor

"Aer Lingus selected Honeywell (formerly Aviaso) following a comprehensive and competitive tender process. Our criteria for selection included fuel efficiency know-how, customer focus, flexibility and proven track record in complex software projects."

Anne Bradley, Director Operations Logistics Aer Lingus

"A lot of documentation is available on the topic of fuel conservation and we had introduced most of the recommended initiatives. Still, we were faced with the challenge to really understand how we are using our fuel. Thus we implemented the Honeywell (formerly Aviaso) tool to help us improve transparency and to achieve further fuel savings."

Matthias Spohr, Fuel Manager and Head of fleet Germanwings

Learn More
To learn more about Honeywell’s GoDirect Fuel Efficiency service, please contact your Honeywell sales representative or call +1 (800) 601 3099 or +1 (602) 365 3099 or visit us at aerospace.honeywell.com/godirect