

FuelPlus EFM Functional Overview

Fuel Planning

Precise planning is the first step in fuel management. FuelPlus supports you in the calculation of fuel volume forecasts and the generation of fuel budgets.

- Calculate fuel volume forecasts per flight / location by using SSIM flight schedules and system-calculated averages.
- Generate fuel budgets based on volume forecasts and effective contracts.
- Apply monthly forward prices for fuel, add-on and exchange rates.
- Compare forecasted vs actual volume, prices and costs on a monthly or daily base.

Tendering

Forecasted fuel quantities need to be secured for all operated locations. The FuelPlus tender module provides sophisticated functions to assist you in your tender process.

- Prepare tender per location or area by using volume forecasts and historical fuel data.
- Publish tender invitations.
- Receive and capture bids.
- Automated bid normalization and ranking.
- Contract is generated automatically when bid was awarded.
- System-generated tender documentation and audit trails.

Contract Management

Keeping track of all your fuel and supply-related contracts is crucial for tankering, cost calculation and invoice verification. With FuelPlus, you have a tool that supports you in your day to day business.

- Manage fuel, services and supply chain related contracts.
- Use all common pricing methods (index, market, fixed, government and ex-refinery).
- Capture duties, fees and taxes by using an unlimited number of price components per contract.
- Define your own volume, event, period, or percentage-based price components.
- Manage multiple airlines per contract with different volume allocations.
- Use any unit of measure and any currency.
- Automated conversion between local currency and invoice currency.
- System keeps track of price history for every price component.
- Define reminders for contract price review and termination dates.
- Set up all applicable taxes on contract level.
- System provides calculation and reporting of U.S. Federal excise tax.



Market data Management

Fuel prices and contract price components are based on energy quotations and exchange rates. FuelPlus' market data module takes care of loading these data from your data providers and provides you with up-to-date prices at all times.

- Define time series for both energy quotations and exchange rates.
- Automated data download from providers as for example Platts, OPIS and GlobalInsight.
- System supports all commonly used price average methods such as weekly, semi-monthly, monthly or 1–25th day.
- Set up your own quotation baskets and medians.
- System updates fuel prices of index-based contracts automatically.



Prepayment Handling

In some regions, airlines agree to make prepayments to suppliers. FuelPlus assists you in calculating the precise prepayment amount per period and supplier by taking flight schedules and volume distributions into account. Balancing prepayment accounts with actual uplifts and generating prepayment advices completes supporting this process.

- Define volume distribution per supplier.
- Prepare supplier prepayment plan.
- Calculate supplier prepayment balance.
- Generate prepayment advice.

Inventory and Supply Chain Management

Self-supply has become a viable option to increase supply security and stay in control of the market. FuelPlus gives you all the functionality to set up storages, manage deliveries and keep track of your inventories on a daily base.

- Define fuel storages and supply lines.
- Electronic import of bills of lading.
- System evaluates volume movements based on effective contracts.
- Daily inventory overview on volume and value.
- Manage End of Month statements and adjustments.
- Capture daily density for gross to net conversion.
- Forecast inventory development using actual and planned deliveries.
- Generate monthly volume order plan for supplier nomination.

Operations

Flight events are the heartbeat of an airline. Therefore, it is mandatory to put these data in the center of fuel management. FuelPlus supports your Operations with an extensive set of functions to manage operational data and to calculate uplift and consumption costs.

- Capture or import actual flight events, fuel messages and fuel tickets.
- System performs extensive checks on the fuel data quality.
- Calculate fuel costs per actual flight using effective contracts.
- Use system-calculated averages in case of missing fuel data.
- System calculates fuel consumption volume and costs per actual flight event.
- Manage fuel transactions in Maintenance.
- Import actual flight operation plans including recommended fuel figures.

Tankering Support

Taking advantage of fuel price differences at different locations is a proven option to reduce costs. FuelPlus assists you in providing daily price data to your operational flight planning system and finding the balance between tankering savings and burnoff costs.

- Daily calculation of station average prices for operational flight ops system.
- Extensive price checks before publication.
- Define special tankering instructions to overrule tankering policy.
- Calculate tankering scenarios per leg and aircraft type.
- Generate tankering recommendation reports per leg and aircraft type.
- Report on over-fueling including loss calculation.

Invoice Validation

Checking invoices is an important but also time consuming and error-prone activity. FuelPlus helps you to automate this process. The accounting module ensures accurate verification against all available operational data including actual flight events, fuel tickets and contract data.

- Support for EDI, IATA XML, CSV and paper invoices as well as credit notes.
- Automated receipt of electronic invoices via e-mail, FTP or file transfer.
- Invoices are automatically matched against actual flight events.
- System checks invoice items against actual flight event, actual fuel uplift quantity and effective contract prices.
- Detect double invoicing and charging of not agreed fees.
- Automated acceptance of small discrepancies if these are within system-definable tolerances.
- Accept or reject detected discrepancies manually.
- System generates accounting documents based on completed invoices for further processing in an accounting system.



Accrual Calculation

Accruals reflect the airline's open liabilities towards suppliers. FuelPlus calculates accruals in both invoice and accounting currency for all fuel transactions that were entered into the system. To ensure that these amounts are up-to-date, the latest available exchange rates are used for the calculation.

- System calculates accruals in invoice currency for actual flight events and bills of lading, based on effective contracts.
- Daily recalculation of accruals in accounting currency using the latest available exchange rates.
- Report on accruals per location, contract type, supplier and currency.
- System automatically reduces or closes accruals upon acceptance of the related invoice.
- Close accruals manually in case no invoice is expected.
- Automated upload of accruals per flight event to an accounting system.

Emission Monitoring

Emissions have become latest with the inclusion of airlines in the EU emission trading scheme, an area of which fuel management needs to take care. Thanks to FuelPlus' advanced Operations support, the forecast of future emissions as well as the monitoring of actual ones can be handled easily.

- Calculate emission forecasts based on flight schedule.
- Monitor actual emissions per flight event.
- Report variance between planned vs actual emissions.



As of September 2008

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