

# Aviation Fuels Management “From Tank Farm to Takeoff”



Varec provides airlines and service providers an integrated hardware and software solution that improves logistics, data collection and accountability of aviation fuels management operations by integrating with airline computer systems. At the ramp, electronic ticketing and dispatch assist in the reduction of flight delays due to aircraft fueling. Tank farm inventory measurement and management reduces accuracy tolerances down to 0.10%. Data obtained from the tank farm assists in identifying and reducing fuels accounting discrepancies, while improving daily closeout times to within 12 hours of the previous day. Seamlessly sharing operational data between service providers and airlines provides a quicker snapshot of inventory status and allows analysis of fuels usage trends to improve reporting and decision making throughout the fuels management cycle.

- Remote or automated, real-time dispatch operations
- Fueling vehicle Automated Data Capture (ADC)
- Electronic paperless fuels ticketing
- Local fuels reconciliation (ExSTARS and A4A Spec 123 compliance)
- Aircraft Communication Addressing and Reporting System Messaging (ACARS) and airlines systems integration
- Integrated tank farm and supervisory control and data acquisition automation (SCADA)
- GSE Fuels & Glycol Management
- Enterprise reporting solutions (FuelsManager® Aviation Application Services)

# Aviation Fuels Management

*From Tank Farm to Takeoff*

Our involvement with leading airlines and aircraft fuels servicing companies has provided us with extensive knowledge and proven experience you can rely on - no matter how small or large your fueling operation.

## Tank Farm Management

- Tank Gauging and Physical Inventory Measurement
- Physical Inventory Management
- Pump and Valve Control and Automation
- Truck Load Rack Automation
- PLC Integration
- Overfill Prevention and Detection
- Leak Detection
- Daily Physical Inventory Reports

## Dispatching

- Airline Fuel Load Feed Integration
- Automated Dispatch
- Resource Management
- Real-Time Fuel Load Updates
- Real-Time Fueling Status Visibility

## Into-plane Operations

- Net Fuel Volume Calculations at the Wing
- Overfuel Prevention and Protection
- Fuel Meter Tracking
- Paperless Fuel Ticketing
- ACARS Messaging Integration
- Electronic Ticket Entry Systems for Paper Tickets

## GSE Fuels Management

- Automated Vehicle Identification (Barcode Scanning)
- Mis-fuel Prevention
- Loss Prevention

## Glycol Management

- Inventory Management
- Glycol Meter Tracking
- Paperless Glycol Ticketing

## Fuels Accounting

- Fuels Transaction Management (Ledger)
- Fuels Accounting for Co-mingled Fuel
- Daily Meter Reconciliation
- Secure Closeouts and Audit Trail
- Net Conversion
- Book vs. Physical Fuel Reconciliation
- ExSTARS Compliant
- A4A Spec 123 (Jet Fuel Inventories) Compliant

## Integration & Support

- Aviation Systems Integration
- Software Application Development
- Data Center IT Support
- 24x7 Technical Support and Help Desk

## Enterprise Information Technology

- Single, Integrated Fuels Management System
- Software Applications run as Services at AT&T Data Center
- Local User Access via VPN
- Site Level Data Management

## Oversight and Insight

- Online GSE Fuels Usage Reports
- Online Glycol Transaction Reports
- Online Into-plane Fueling Reports
- Online Inventory Reconciliation Reports

