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## FuelCENTRAL™ - Transaction Clearinghouse

**For additional information please contact our Marketing Department at the address listed below.**

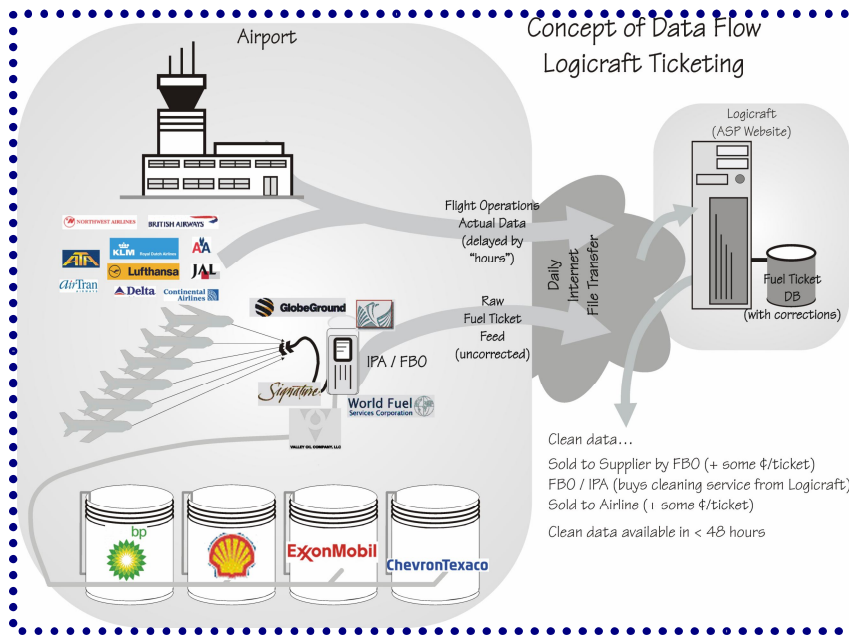
*The commercial aviation industry in the USA generates about 20 Million fuel transactions annually at about 1600 airports large and small.*

*Financial pressures on commercial aviation resulting from high fuel prices are the catalyst for new initiatives for cost savings. Past initiatives required that aviation fueling contractors equip themselves with costly systems to enable the sharing of transaction data with business partners in digital format.*

*The availability of daily aviation fuel information in digital format can greatly reduce on-hand fuel inventories, improve fuel planning, expedite customer invoicing and invoice reconciling that results in significant savings and enhanced cash flow.*

*The aviation fuel industry is decentralized, does not use standardized fuel accounting tools and few into-plane agents have implemented costly electronic data capture systems that enable them to meet demands. Such systems are expensive and with commercial airline companies strapped for cash they cannot justify the expenditure.*

*Since 1998, Logicraft has been operating FuelCENTRAL™, a Transaction Clearinghouse that serves aviation industry partners with fuel transaction data in digital format. To overcome the limits of available technology in the aviation fueling industry, FuelCENTRAL™ allows the collection of data in any format (including paper) from any airport location and delivers the data to its customers in their required native digital format.*





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## System Description

FuelCENTRAL™ is an information system designed to collect fuel inventory and transaction data from various airport based systems and in different formats into one central database.

FuelCENTRAL™ is designed to:

1. Centralize all information related to fueling operations into one database, enable airlines and fuel suppliers to receive transaction data that belongs to various airport sites from one single point and interfaces with accounting system, fuel management system, etc;
2. Receive fuel transaction data files in various formats (i.e. .xls, .db, .dba, .csv, .xml, .html, .odc, etc.), validate the accuracy of the data and automatically convert and deposit the data into its ORACLE database. Output files can be similarly configured to interface directly with corporate accounting system or fuel management systems in their native format;
3. Receive, decode, sort, convert, deposit and export data without any human intervention once it has been configured for its operating environment;
4. Allow for the creation of a central fuel accounting office that covers multiple fueling locations for fuel suppliers who are also into-plane agents. When using this configuration, site-based fuel accounting systems generate fuel transactions and relay this information to FuelCENTRAL™ using an Internet communications, FTP servers or e-mail messaging;
5. Offer significant cost savings achieved through the elimination of manual activities (saving on manpower), transaction data accuracy and timely receipt of transaction records needed to track fuel usage, track inventories, plan fuel deliveries, process transactions, invoice customers, validate invoices, etc.

PARAMETERS SETUP | EVENTS MONITOR | SCHEDULER EVENTS | INPUT - OUTPUT PARAMETERS | FILES | INVOICES | SEND TO CUSTOMERS | MAPPING FILES | SETUP DATABASE

Program Blocks Setup  
PDP3 Account  
SMTP Account  
Receiving E-Mail Block  
C:\FuelCentral\ReceivingMail.exe  
File Processing Block  
C:\FuelCentral\FileProcessing.exe  
Reports Block  
Sending E-Mail Block  
C:\FuelCentral\SendingEmail.exe  
Generated Invoices  
C:\FuelCentral\InvoiceProcessing.exe  
Mail Notification Program  
SAP Files: Output Directory  
Y:\X  
Invoice Files: Output Directory  
C:\Temp\  
Input Files: Temporary Directory  
C:\Temp\  
Excel Files: Output Directory  
C:\Temp\  
Reports Alerts

FuelCENTRAL Information  
UserName: AVERYKRAFT\Administrator  
Logged On: 06. August, 2004. at 03:30 PM  
Save Registry Changes About FuelCENTRAL ...

Disks, Folders and Files  
Temp

Name	Size	Type	Modified
Parent			10/20/2003 12:03 PM
CD1		File Folder	7/28/2004 10:04 AM
db		File Folder	5/3/2004 11:05 AM
Documents.To.Go.Premium...		File Folder	6/29/2004 11:36 AM
Documents.To.Go.Premium.v...		File Folder	6/28/2004 12:39 PM
FIMS_ScreenShots		File Folder	6/4/2004 3:21 PM
HP		File Folder	10/22/2003 2:14 PM
HP All-in-One Series Web R...		File Folder	10/22/2003 1:43 PM
JetBlue@JFK		File Folder	6/3/2004 12:42 PM
MegaGammon		File Folder	7/15/2004 9:31 AM
megagammon.3.2.for.palmo...		File Folder	7/15/2004 10:07 AM
MLights.v3.0.PalmOS5.CRA...		File Folder	7/15/2004 10:07 AM
MNews.v1.0.PalmOS5.CRA...		File Folder	7/15/2004 10:07 AM
MRing.for.Treo600.v1.06.P...		File Folder	7/15/2004 10:07 AM
MSafe.for.Treo600.v3.0.Pal...		File Folder	7/15/2004 10:07 AM
MVoice.v1.0.PalmOS5.CRA...		File Folder	7/15/2004 10:07 AM
MVoiceMail.v1.0.2.PalmOS...		File Folder	7/15/2004 10:07 AM
Pilot		File Folder	7/1/2004 10:45 AM

Errors: Status:



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## Integrated System Goal

When using two field proven technologies, FuelCENTRAL™ and FuelCOUNTER™, Logixcraft's Fuel Accounting & Inventory Management System, Logixcraft is capable to offer an end-to-end solution for the collection and distribution of airport fueling data from an unlimited number of airports to airlines, fuel suppliers and any other business partners.

## Integrated System Concept

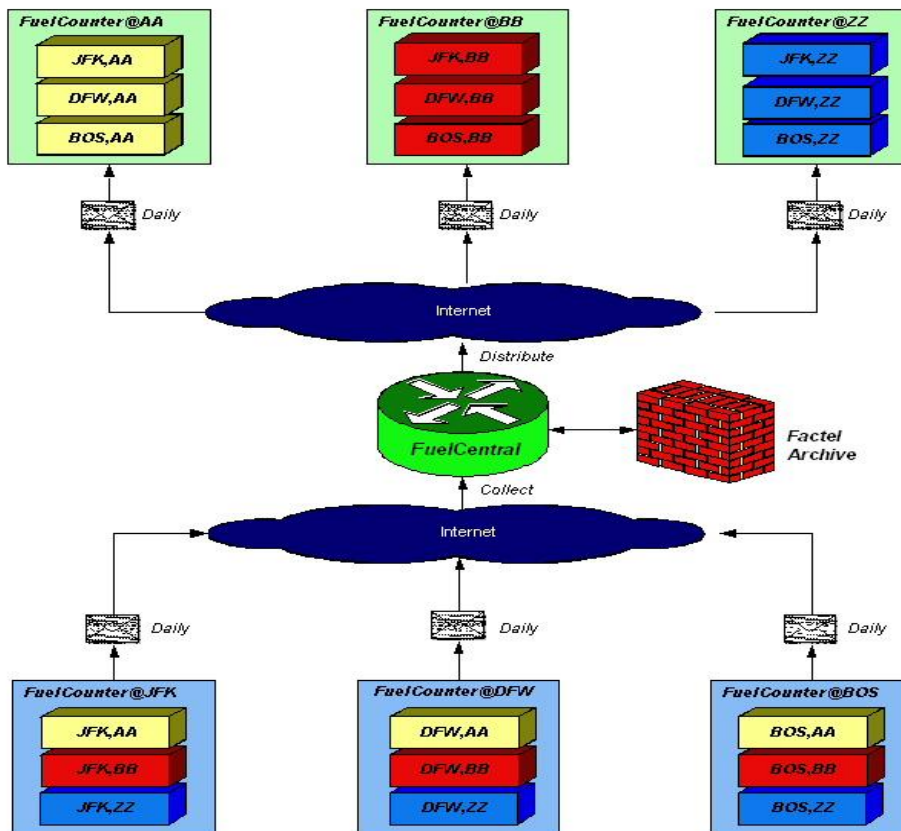
The underlying Oracle database is organized as a daily array of fuel activity cells (FactTells™), one FactTell™ for each Account at an airport. The day's transactions along with the fuel inventory status information are stored in the daily Account FactTell™ to which they belong.

FuelCOUNTER™ introduces the concept of a Fuel Activity Cell or FactTell™ as the basic block of information transport. A FactTell™ contains the complete set of transactions and fuel status information for all activities of a particular Account at a particular Airport on a specific day.

At the end of each day, FuelCOUNTER™ packages the database FactTells™ to be sent to other FuelCOUNTER™ installations where they can be viewed and exported/imported.

This same mechanism can also be re-utilized to send the daily airport FactTells™ to FuelCENTRAL™ for domestic or international distribution. This enables all participants in the FactTell™ transactions (agents, airlines, fuel suppliers, and brokers) to obtain and view copies of completed digital transactions

### *FuelCounter/FuelCentral - Daily Factel Collection and Delivery*



# FuelCENTRAL™ - Transaction Clearinghouse

2002 FuelCounter - Factel Viewer for American Airlines

8/29/2002 Thu

AA Airport Inventory Balances

Fuel	TA	Inventory Balance	Line Fill	Working Inventory	Week-to-Date Total Dispensed	Dispensed Previous Week	Average Daily Disp	Estimated Inv Balance
DCA	WASHINGTON/NATIONAL	0	73,746	-73,746				
DEN	DENVER, COLORADO	0	0	0				
DFW	DALLAS/FT. WORTH, TX	2,399,384	642,805	1,756,579	6,706,115	958,016	1.8	
DOV	DOVER, DELAWARE	0	0	0				
DTW	DETROIT, MI	0	0	0				
EAS	EXECUTIVE AIR SERVICES	0	0	0				
EWK	NEWARK, N.J.	-26,733	0	-26,733	5,595	799	-33.5	
FLL	FORT LAUDERDALE, FL	164,139	0	164,139	102,020	14,574	11.3	
GFK	FORT HOOD, TEXAS	0	10,138	-10,138				
OSO	GREENSBORO/DURHAM, NC	0	0	0				
HOU	HOBBY - HOUSTON, TX	618,321	55,312	563,009	631,723	90,246	6.2	
IAD	DULLES WASHINGTON	0	2,074	-2,074				
IAH	HOUSTON, TEXAS	1,060,143	92,172	967,971	1,442,938	206,134	4.7	
IND	INDIANAPOLIS, INDIANA	105,578	4,837	100,741	108,429	15,489	6.5	
LAS	LAS VEGAS NEVADA	4,203,263	435,555	3,767,708	4,647,846	663,978	5.7	
LAX	LOS ANGELES CALIFORNIA	1,294,067	129,049	1,165,018	1,380,155	197,165	5.9	
LGA	LAGUARDIA - N.Y.	630,514	73,762	556,752	642,728	91,818	6.1	
MCI	KANSAS CITY, MI	0	0	0				
MCO	ORLANDO FLORIDA	0	0	0				
MEM	MEMPHIS, TENN.	30,153	0	30,153				
<b>Totals</b>		<b>14,970,260</b>	<b>2,239,350</b>	<b>12,730,910</b>	<b>20,677,543</b>	<b>2,953,935</b>	<b>4.3</b>	

Inventory Balances

2002 FuelCounter - Factel Viewer for American Airlines

8/29/2002 Thu

AA Fuel Tickets

Airport JFK Fuel TA Total Gallons 598,528

Apply	Ticket #	Flight #	A/C #	SubArea	Storage #	TimeOn	Off	Close	Open	Gallons
✓	2703922	105	208	Terminal 640	03:04			131,081	128,222	2,859
✓	2703923	44	78F	Terminal 663	19:41			8,218,976	8,204,062	14,914
✓	2703924	100	78E	Terminal 628	01:12			65,475	50,024	15,451
✓	2703925	1617	SFT	Terminal 656	11:31			4,804,191	4,801,467	2,724
✓	2703928	231	5FB	Terminal 657	18:38			7,773,981	7,767,666	6,315
✓	2703930	177	315	Terminal 660	03:55			1,644,503	1,636,733	8,170
✓	2703931	289	5CH	Terminal 630	04:25			1,848,800	1,842,631	6,169
✓	2703934	185	325	Terminal 643	04:49			2,016,544	2,009,338	7,206
✓	2703935	1444	5DR	Terminal 642	17:59			751,626	749,326	2,500
✓	2703937	104	388	Terminal 628	01:34			75,823	65,475	10,348
✓	2703938	1751	076	Terminal 617	20:59			8,750,814	8,744,023	6,791
✓	2703940	29	305	Terminal 636	03:18			1,386,676	1,379,288	7,388
✓	2703941	1851	611	Terminal 630	04:26			1,855,052	1,852,716	2,336
✓	2703942	1169	5DE	Terminal 630	04:26			1,852,716	1,848,800	3,916
✓	2703943	1525	074	Terminal 212	20:31			8,560,630	8,551,611	9,019
✓	2703946	132	7AG	Terminal 663	19:43			8,233,190	8,218,976	14,214
✓	2703947	273	5BU	Terminal 643	04:50			2,022,233	2,016,544	5,689
✓	2703948	120	386	Terminal 662	09:14			3,864,291	3,854,057	10,234
✓	2703949	955	385	Terminal 688	11:22			4,763,116	4,742,633	20,423
✓	2703950	951	76C	Terminal 612	22:45			9,498,251	9,479,474	18,777
✓	2703953	973	369	Terminal 640	03:14			149,260	135,372	13,888
✓	2703957	45	335	Terminal 654	09:44			4,067,141	4,060,353	6,788
✓	2703958	127	322	Terminal 636	03:18			1,379,288	1,379,182	106

Fueling Tickets

FuelCounter Act AA Airport Activity Summary 8/10/2002 TO 8/31/2002 Page 6 Run On 10/29/2002 Report 62

Fuel Type	TA	Code	Opening Inventory	Received	Debits	Net	Dispensed	Left	Book Balance	Closing Actual	Line Fill	Inventy Adjust	
UNITED EXPRESS	UE		0	0	0	0	0	0	0	0	0	0	
DALLAS/FT. WORTH, TX			1,851,941	28,316,688	3,201	-1,627,142	22,999,833	4,109	3,373	19,085	5,627,670	4,942,491	727,257 -785,179
DAYTON, OHIO	DAY		0	0	0	0	0	0	0	0	0	0	
DENVER, COLORADO	DEN		0	0	0	0	0	0	0	0	0	0	
DETROIT, MI	DTW		0	0	0	0	0	0	0	0	0	0	
DOVER, DELAWARE	DOV		0	0	0	0	0	0	0	0	0	0	
DULLES WASHINGTON	IAD		0	0	0	0	0	0	0	0	0	0	
EXECUTIVE AIR SERVICES INC.	EAS		0	0	0	0	0	0	0	0	0	0	
FORT LAUDERDALE, FL	FLL	163094	0	0	420,000	437,120	32	22	0	144,914	144,914	0	
FORT HOOD, TEXAS	GRK		0	0	0	0	0	0	0	0	0	0	
GREENSBORO/DURHAM, NC	OSO		0	0	0	0	0	0	0	0	0	0	
HOBBY - HOUSTON, TX	HOU	430629	2,763,015	0	-5,576	2,666,082	231	156	1,862	528,024	451,409	70,963 -76,615	
HOUSTON, TEXAS	IAH	627262	6,388,242	0	-12,891	0	0	0	4,305	3,058,261	2,881,125	164,066 -177,136	
AEROVAS DE MEXICO	AM		0	0	0	0	462,316	93	91	0	0	0	
AMERICA WEST AIRLINES	HP		0	1,702	0	1,216,495	274	264	0	0	0	0	
CZECHOSLOVAK AIRLINES	OK		0	0	0	0	375,637	29	29	0	0	0	
FINNAR	AV		0	0	0	0	548,291	29	29	0	0	0	
LAN CALE AIRLINES	LA		0	0	0	0	654,891	62	60	0	0	0	
QANTAS AIRLINES	QP		0	0	0	0	190,118	12	12	0	0	0	
SWISS INTL AIR LTD	LX		0	0	0	0	388,293	29	29	0	0	0	
TRANSPORTES AEREOS DE CALV			0	0	0	0	107,708	9	7	0	0	0	
HOUSTON, TEXAS			627,262	6,388,242	1,702	-12,891	3,841,748	537	521	4,305	3,058,261	2,881,125	164,066 -177,136
INDIANAPOLIS, INDIANA	IND	16994	510,941	0	-1,031	421,967	22	20	344	104,203	90,636	13,121 -14,167	
JFK - JAMAICA, N.Y.	JFK	2928091	20,445,878	21,805	-41,259	18,792,034	2,383	2,294	13,779	3,634,408	2,967,474	525,110 -566,934	
AMERICAN EAGLE	FA		0	0	0	0	469,194	1,347	1,316	0	0	0	
JFK - JAMAICA, N.Y.			2,382,891	20,445,878	21,805	-41,259	19,261,228	3,730	3,610	13,779	3,634,408	2,967,474	525,110 -566,934
KANSAS CITY, MI	MCI		0	0	0	0	0	0	0	0	0	0	
LAGUARDIA - N.Y.	LGA	652772	2,874,855	0	-425,801	2,292,236	218	179	1,937	551,996	472,280	73,935 -79,716	

Summary Report