



## Megadata

## Case Study

### The Challenge

Provide complete power protection for flight data network

### The Solution

Liebert GXT UPS

### The Liebert Difference

- Product reliability and performance
- Local support and expertise

### The Partner

Big Apple Rep

## Airline Support Service Counts on Liebert UPS for Power Protection

### The Situation

Megadata of Bohemia, New York, is building a worldwide flight data network (the PASSUR network) with an accompanying suite of software to provide airlines and airports with independent, reliable, and timely data on flights. Many of the largest airlines and airports in the world use PASSUR to improve operations and provide better information to passengers.

Before PASSUR, when a flight was rerouted, stacked to wait its turn to land, or diverted to another airport, the ground often had to deal with incomplete or less than timely information. This can seriously hamper airline operations. Does the airline keep a service crew ready for a delayed arrival or send crew members on to other duties? Should a flight be held for late arrivals with connecting reservations? Airlines can't make informed decisions if they don't know where their planes are and when they will land.

PASSUR changes all that. By monitoring the data between the FAA air traffic control system and the aircraft, PASSUR computes flight arrival and departure information and displays it graphically on computer monitors. Every 4.7 seconds, the system updates the position of flights within 150 miles of the terminal.

Megadata needs high-availability power protection to ensure continuous service to its customers, so the company turned to the mission critical experts.

### The Solution

The PASSUR flight tracking system is supported by Liebert's online double conversion UPStation® GXT UPS. Big Apple Rep, a Liebert solutions provider on Long Island, New York, recommended the Liebert GXT to Megadata. In addition to its value as a back-up power source, the on-line double conversion GXT also conditions poor quality utility power. Just as important, it automatically synchronizes power from any external source to the critical load, a requirement for switching from battery power to generator power and then back to utility power after an extended outage.



*“When things go from bad to worse, the airlines count on us for help. That’s why our computers are backed up by Liebert on-line UPStation GXT UPS systems.”*

John Keller,  
executive vice president  
of engineering,  
Megadata

## **The Results**

According to John R. Keller, the executive vice president of engineering at Megadata, Liebert UPS systems have kept the Megadata system up and running through several outages. Electrical power may fail, and blizzards and fog may disrupt schedules, but the Megadata PASSUR system continues to report accurate, real-time data on the position of any plane within its reach.

“When things go from bad to worse, the airlines count on us for help. That’s why our computers are backed up by Liebert on-line UPStation GXT UPS systems,” explained Keller.



**LIEBERT CORPORATION**

1050 DEARBORN DRIVE

P.O. BOX 29186

COLUMBUS, OHIO 43229

800.877.9222

(U.S. & CANADA ONLY)

614.888.0246

(OUTSIDE U.S.)

FAX: 614.841.6022

[www.liebert.com](http://www.liebert.com)

© 2004 Liebert Corporation. All rights reserved throughout the world. Specifications subject to change.  
® Liebert and the Liebert logo are registered trademarks of the Liebert Corporation. ® Keeping Business in Business is a registered trademark of the Liebert Corporation. The Emerson logo is a trademark and service mark of the Emerson Electric Co. All other trademarks are property of their respective holders.  
Printed in U.S.A. 0104

