



## Case Study

# Achievo helps Beijing Capital International Airport Grab Gold at 2008 Olympics

*Achievo-developed integrated data center solution cuts costs, increases efficiency with unified storage, improved data management and increased security*

### Customer

Beijing Capital International Airport (BCIA), serves tens of millions of passengers per year, and hosts 66 domestic and foreign airline companies, with more than 5,000 scheduled flights to 88 cities in China and 69 cities abroad.

### Fast deployment of flexible solution critical to 2008 Olympics

With the 2008 Olympics fast approaching, and with it a huge increase in airport traffic, BCIA needed to implement a solution to monitor and manage real-time air traffic status, improve ground services, increase overall efficiency, and both integrate and leverage existing airport databases. Achieving those objectives required a robust architecture, and a high-performance database design.

BCIA chose Achievo to design and implement the solution.

### Comprehensive, cost-effective and integrated solution

Working closely with BCIA, Achievo's dedicated team of data center experts produced a complete set of requirements to meet those objectives.

Achievo recommended that BCIA put in place a comprehensive data center solution that was Web-accessible, and built on proven technologies with which the Achievo team had extensive experience. A Web-based approach would reduce costs, while streamlining development.

The resulting solution, developed by Achievo, included capabilities for:

- Data acquisition
- Data modeling
- Data mapping
- Metadata
- Data management
- Data mining
- Online analytical processing (OLAP)
- Data warehouse management

The Achievo-built data center solution integrated BCIA's diverse existing internal and external data sources, including:

- Airline data
- Departures, arrivals, and all of the data elements that support airport logistics
- Ground services

- Airport and Obstacle Database (OADB), an internationally shared single, low cost source of airport and obstacle data for takeoff and landing performance analysis
- Datagrams, self-contained, independent entities of data that carry sufficient information to be routed from the source to the destination computer without reliance on earlier exchanges between this source and destination computer and the transporting network

### **Results exceed expectations, while cutting costs**

Working closely with Achievo, BCIA's integrated data center was developed, tested and deployed on time, and within budget. The airport was ready for the 2008 Olympics. Better yet, the results both reduced operational costs and improved BCIA's overall efficiency.

BCIA's data center solution has also delivered:

- Easy to use Web-based user interface that ensures universal access, improves communication, and accelerates deployment
- Robust, high-performance data warehousing framework that unifies, cleanses, and improves access to data
- Effective business intelligence that layers business rules on top of data to deliver relevant, understandable, and highly actionable reports
- Seamless integration with legacy office applications, enterprise resource planning (ERP) and accounting software, and IT
- Automation of repetitive tasks, substantially improving efficiency and effectiveness
- Powerful security and privacy protections at every level of interaction, including digital signatures and approval tracking

Today, BCIA continues to leverage Achievo's data center solution as it expands to meet ever-increasing demand in its role as China's premier airport.

### **About Achievo corporation**

Achievo Corporation is a leading provider of software outsourcing and information technology services to a global client base primarily through its regional offices in Japan, North America and Greater China. All seven of Achievo's delivery centers in Asia are ISO/IEC 27001:2005 certified, of which two are also ISO 9001:2000 certified and another is CMMI level 5 certified. With expertise in diverse technologies including Java/J2EE, .NET and embedded platforms, Achievo offers improved efficiencies, scale, diversification, and a skilled talent pool to deliver cost-effective, client-centric, and scalable IT outsourcing services to clients worldwide. Headquartered in the San Francisco Bay Area, Achievo has offices in the United States, Canada, China and Japan. For information on the company and its services, visit <http://www.achievo.com>

