



SYSTEMS INTEGRATION HIGH AVAILABILITY MANAGED SERVICES IT STAFFING

## Case Study

### Wireless LAN for Houston Airport System

**Challenge:**

Design and implement a Wireless LAN solution that will exceed the scalability and security needs of the Houston Airport System.

**Requirements for the WLAN:**

- Scalability
- Centralized management
- Security
- Cost-Effective
- Fast R.O.I
- Low TCO

**Benefits of Blackbriar's solution:**

- Complete turn-key solution that could be fully client managed after implementation.
- Scalable – by using a enterprise solution designed for the client's current and future needs.
- Security – latest wireless security as well as built-in firewall that is configurable and centralized.
- Centralized configuration – central, remotely accessible management and security controls.
- LOW TCO
- Visual and full featured future site planning.

The Houston Airport System came to Blackbriar Technologies with a need to build a secure, manageable wireless LAN infrastructure in their Administration building as well as in the “disaster planning room” of a terminal. The scope of the project was immense. It required supporting the full staff of the Administration building as well as large numbers of disaster team members in a time of crisis.

The focus of the project was in three main areas. The first primary requirement was centralized management of security and configuration. It would be unmanageable if the engineers had to go to each access point or antenna to make changes. The second requirement was for speed and scalability. The solution has to stay reliable and responsive even as the rollout is scaled up to more and more coverage. Lastly, total cost of ownership and return on investment played a major role in the decision to go with the Blackbriar solution.

The solution we recommended utilized standards-built, yet innovative equipment from one of our technology partners along with other key infrastructure components and process controls to provide centralization of site planning, and configuration, ease of use and scalability, security and access controls, and plug-and-play installation and automated configuration.

With this solution in place, the Houston Airport System now utilizes the most advanced wireless security available, and is able to scale their installation without issues with the infrastructure or manageability problems. It provides them with the ability to perform remote troubleshooting and the integrated firewall provides full security for the LAN while providing the client with

the lowest possible cost of ownership for an enterprise wireless solution.