

## CLIENT OVERVIEW

Our client, a prominent metropolitan university, was faced with a demand for increased vigilance surrounding campus safety. The goal was to improve the speed and ease of managing the assignment of individuals to various access points located across multiple campuses. The new application had to interface with the client's existing security system, provide easy-to-use controls for granting and restricting access, and provide auditing controls, while improving overall efficiency.

## CHALLENGE

**Quickly develop a custom application to better manage granting and restricting access to campus locations.**

The client needed to quickly deploy an easy to use application that would give users the ability to:

- Assign access privileges to individuals to locations spread over multiple campuses.
- Identify the duration of the access by date ranges and or times of day.
- Control who has the ability to assign of access privileges to others.
- Maintain access point definitions, from a broad location such as an entire building and all its access points, to an individual access point, such as a door to a specific room within a building.

The application needed to be implemented quickly, fully integrate with an existing source security system, and log a complete audit trail of all changes. The university turned to Aspect Consulting to design, develop, and implement the application over a short time frame.

## SOLUTION

**A robust Access Point Management application with flexible, easy to use controls**

The application was built as a stand-alone application accessed by URL from the university's main portal site. Aspect utilized flexible, easy to use controls to provide the following functions.

- **Assign Access Points to Individuals:** The application design provided streamlined, improved functionality, giving security users the flexibility to manage campus-wide access by individual, or by access point. Users can view and manage only the access points that they have the permission to manage. Easy to use controls allows users to simply check or uncheck to grant or restrict access, and set the time period

that access is effective. As an added bonus, users now also have to the ability to quickly deactivate an individual's access to all locations, or shut down access to an entire location for a set period of time, and then reactivate access with one click.

- **Maintain Access Points:** Access Point Manager includes an interface to define and maintain the access points that appear within the application and communicate those updates back to the main security system. Access points were designed to have the flexibility to represent a single door or an entire campus.
- **Control Application Privileges:** The application also includes an interface that enables administrative-level users to control the access points that other users of the application are permitted to manage, for increased security.
- **Audit Trail:** The application was designed to automatically store and display the identity of the user making the entry/change, the date and time the change occurred, and what was changed. The application updates the source system database with complete access assignment change information, as well.

## BENEFITS

**Overall efficiency was achieved by providing the client with an easy-to-use application within in a short delivery time frame.**

- **Improved Day to Day Efficiency:** The application intuitive, easy to use controls that allowed the end user to easily and quickly make access changes. Users required little training, and were able to begin using the application immediately at implementation.
- **Short Time Frame to Delivery:** Aspect was able to deliver a fully functioning application in four weeks, meeting a crucial deadline for application use, and staying within set budget guidelines.
- **Improved Security and Audit Efforts:** Changes are fully logged and visible within the application, as well as stored within the source system database, providing a complete audit trail.