Case Study: Advanced Digital Solutions designs and delivers a scalable, fully integrated security solution for Lincoln Harris – Capitol Towers.

"After several successful projects with ADS, we went to them as consultant, designer and installation group for the access control and CCTV system to be utilized at Capitol Towers. ADS acted as a true partner and was able to provide us with a system that was not only flexible for our tenants' expectation, but also easily expanded. ADS is a great blend of security best practices and technical knowledge."

-Melanie June, Vice President/Project Manager of Lincoln Harris

Problem

Lincoln Harris, a Charlotte, NC based developer and property manager needed a reliable and scalable integrated security solution for a multiple tenant, multi-story office tower.

Challenge

Servicing Charlotte's SouthPark neighborhood with 10 floors and nearly five-hundred thousand square feet of Class A office space, Lincoln Harris was faced with a unique security challenge. It was important to Lincoln Harris to deploy a security solution that would exceed the safety needs of their multiple tenants, while also maintaining a Class A experience. After seeing a few designs from other integrators, Lincoln Harris turned to Advanced Digital Solutions (ADS) for assistance based on our previous project experience.

Solution

The engineering and design team at ADS was quickly engaged. Our first mission was to understand how the building was going to be used, as well as desired expectations of the customer, future tenants, and construction phases.

Armed with an understanding of desired feature sets and budget information, ADS started the process of examining applicable integrated solutions and technologies and was quickly able to determine that *Genetec's Security Center* solution would provide the appropriate video and access control system. Genetec's leading access control solution, *Synergis,* open architecture for database integration allowing for single credential management, elevator control, and expansion for multi-tenant occupancy.

During this phase ADS again worked closely with Lincoln Harris to understand their expectations and guide them to a *pixels per foot (PPF)* deployment that allowed for recognition and or identification of individuals at areas of interest throughout Capitol Towers. ADS' advanced knowledge of image resolution played a pivotal role in maintaining the aesthetics of the tower while providing the preferred video requirements.

ADS understands that an integrated security solution is only as safe and reliable as the network it is placed on. As such, ADS looked to our in-house *Cisco* certified Network Engineering team to create a network that allowed support of a mixture of devices and services, all of which are relied upon to provide security and accessibility in a climate-controlled environment. Devices and services that reside on the network would include IP based cameras, access control management, critical environmental building infrastructure assets, as well as a video management.

Network access is governed by a firewall appliance which also provides network protection against unauthorized intrusions, viruses, ransomware, and malware. Furthermore, all network traffic is segmented into virtual local area networks.

Benefit

In working closely with the construction and property management teams at Lincoln Harris, ADS was able to design a scalable, fully integrated security solution. The design allows for new tenants to participate in the building's core security systems or the flexibility to integrate their independent solutions, allowing for secure and free movement of tenants and guests.

Result

With the completion of the second tower, ADS was awarded a five-year service and maintenance contract to support and maintain the one-hundred and eight cameras and over one-hundred-fifty access control doors. The support program included routine procedure maintenance and next day response, when needed.

About Advanced Digital Solutions

About Advanced Digital Solutions (ADS) - Our team of experienced engineers and installation professionals understand the unique operation requirements of our partners and how this affects your security needs and regulatory compliance. Through consultation, assessment, design, project management, training and maintenance, ADS provides an 'end to end' experience that focuses on physical security applications. Using open-source leading edge devices, we design and implement non-proprietary and scalable security management systems.