

Case Studies: Access Control / CCTV (Security)



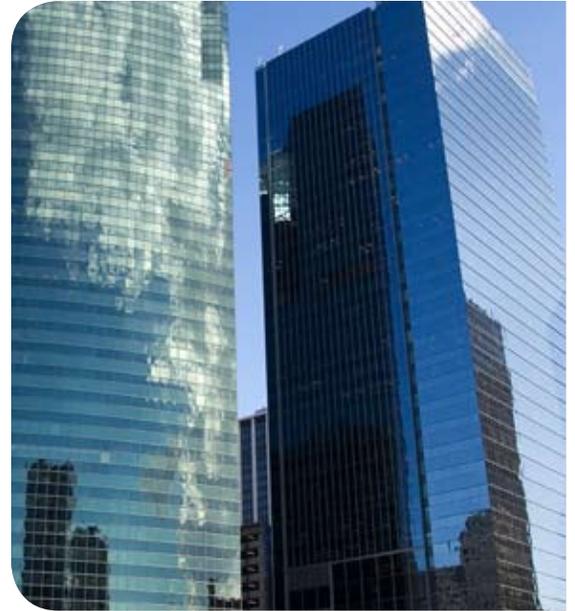
Building Relationships One Project at a Time.

We bring experience and professionalism to low voltage electronic systems & service.

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Financial Services Provider

With more than 50 million card members, this financial services provider is one of the largest card issuers in America. The client processes and produces all of its cards and information in one massive facility, which hosts more than 10,000 employees. After 9/11, the company wanted to reassess and bulk up its security system and processes to ensure no one could sabotage its buildings and compromise customer information. It required security throughout the building as well around the perimeter of the client's corporate campus. With so much at stake, the client needed a security company that had the professional experience and staff to plan and manage the size and scope of the project.



To protect the perimeter of the campus, Advent Systems installed more than 400 surveillance cameras connected to more than 30 digital video recorders that were integrated to an access control system for video call-up in case an alarm was triggered. The team also installed barriers, outside gates and two guard positions to help secure the perimeter. Advent then issued more than 10,000 key cards to control the flow of employees and visitors to the facility and installed optical turnstiles to control personnel movement into the facility. In addition, special key cards with biometric readers were established for high-security spaces, such as the data center and computer room, as an additional security measure.

Currently, the financial services provider has retained Advent to maintain the system on an ongoing basis. In addition, Advent is expanding the security implementation to the client's other centers nationwide.

Advent Systems, Inc.
435 West Fullerton Avenue
Elmhurst, Illinois 60126-1404
630-279-7171 (Voice)
630-279-7676 (Fax)

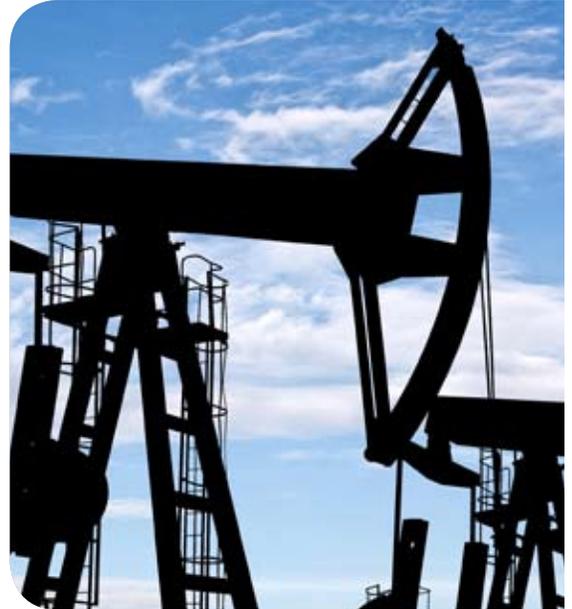
11125 Arcade Drive
Suite F
Little Rock, Arkansas 72212
501-537-6132 (Voice)

www.adventsystems.com

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Oil Refinery

One of the world's largest energy companies has been a client of Advent Systems for more than 10 years. Initially, the client needed to upgrade its existing facilities, including its oil refinery. The facility, which was located on two sites, was flanked by water on one side, adding to the difficulty of security for the company. Because of the potentially hazardous materials and site, all of Advent's personnel were prescreened prior to beginning work. Also, to meet the Occupational Safety and Health Administration (OSHA) regulations, the team took additional courses to ensure all activities would meet code and safety levels.



Advent implemented a site-wide integrated access control and alarm monitoring system with digital video imaging for employee, subcontractor and visitor identification, which monitors and controls internal building and perimeter vehicle access to the site. In addition, the team created an integrated, digitally recorded closed-circuit television system that allows the client to closely monitor the facility grounds and the waterside of the refinery. Advent also installed a redundant security system that is networked via fiber optic cables and network connectivity as well as explosion proof cameras and infrared applications to see in any lighting condition.

The oil refinery has relied on Advent for more than 10 years. Currently, Advent is responsible for upgrading the client's security as new products become available on the market and implementing a security plan for any additions or changes to the refinery site.

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Hospital Trauma Center

As one of the country's leading teaching hospitals and one of Chicago's busiest hospitals and trauma centers, this client had a large number of patients visiting its emergency and medical care rooms. Also, because it was located in the heart of downtown and surrounded by foot and street traffic, the hospital was concerned about controlling access to its facilities, which included 11 buildings on a campus-like setting.

As the largest independent security provider in the Midwest, Advent was able to create and implement all of the company's own work rather than outsource it. The Advent team was hands-on for the entire project, from planning the system to actually pulling the cables. In all, Advent created a security monitoring system for the client's two-million-square-foot main building, which required more than 600 card reader access controls, 210 cameras and a graphical user interface. Then the team rolled out similar systems to the remaining 10 buildings, which were all integrated into one user-friendly system for the client.

Most recently, Advent installed a security and baby monitoring system for the hospital's women's center, implementing it as the building was constructed. To date, the entire system supports more than 1,000 card readers and 425 surveillance cameras. In addition to this client, Advent has installed security systems for five more hospitals in the Chicagoland area.



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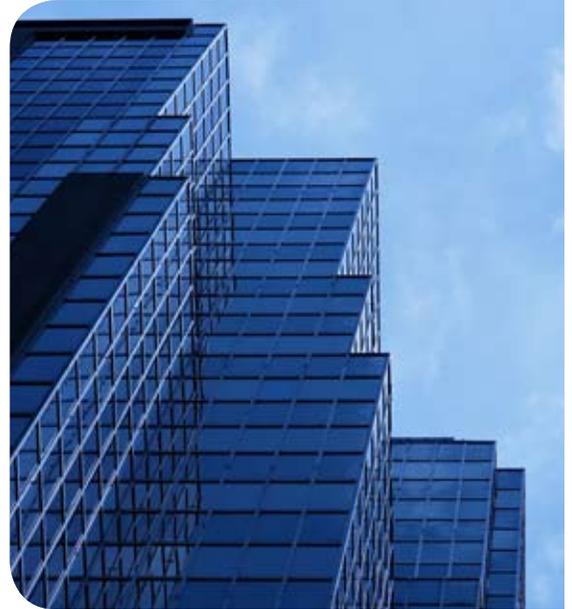
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Insurance Company

The largest health insurance company in the state of Illinois was receiving subpar service from its national security provider. When the client turned to Advent Systems for help, Advent was able to address the client's issues within hours and has continued servicing the client with its more than 70 security Illinois-based professionals. When the client decided to build a new headquarters several years later, it immediately asked us to plan its security system to protect the information of its 6.5 million members.

Considering the client had more than 12,000 employees, Advent implemented a complex and comprehensive security system that was built into the 50-story tower as it was being constructed. Advent put into operation a digitally recorded, closed-circuit television system integrated with an access control system for video call-up in case an alarm was triggered. In addition, Advent designed a restricted parking lot access system for the client's internal parking garage, allowing more than 200 vehicles wireless access to the garage.

More than ten years later, Advent is still servicing the client. Advent has rolled out the company's security system model to the client's 12 claim processing centers in Illinois and beyond, including Albuquerque, N.M. As the client has grown in size, reaching more than 20,000 employees, Advent has expanded the client's security coverage, adapting the current security blueprint as needed. In addition, the Advent team is currently building in the appropriate security measures as the client expands its headquarters another 20 stories up.



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