Case study:

Convergint and SightLogix provide advanced security solutions for data centers

convergint®   **sightlogix**

Data centers are the backbone of the digital economy. As the amount of data scales, there are increasing reasons to be concerned about **physical protection of each data center facility**, where tremendous volumes of information are aggregated into a concentrated area, exposing new risks. Protecting these assets from perimeter intrusions is crucial for ensuring business continuity.

Recognizing that security starts at the perimeter, data centers are taking the same strategy that is common for the network - where firewalls, antivirus and other cyber security methods are standard practice - and extending it to the perimeters and buffer zones around the data center facility itself. Because early and accurate detection of an intruder is essential, smart thermal technology plays a critical role by consistently monitoring even the most expansive data center perimeters.

Convergint, a leading systems integrator, partnered with **SightLogix**, a leading innovator in Smart Video Security cameras, to deploy SightLogix thermal video analytics solutions to secure and protect the perimeters of a global data center customer.

Mission: Secure and protect data center perimeters with thermal video analytics

Recently, a data center customer initiated a re-evaluation of their current perimeter security systems to ensure they were using the most effective solutions available.

Understanding that technologies evolve and improve, they invited leading security manufacturers of various technologies to participate, based on reputation for performance protecting critical perimeters. SightLogix was invited to compete against other video analytic products, and provided smart thermal SightSensors that matched the customer's evaluation criteria, which included the probability of detection, nuisance alarm rate (NAR), ease of deployment, and interoperability with other systems such as VMS and ACS.

Each manufacturer's video analytic equipment had to deliver a number of key capabilities, including:

- Intruder detection up to a specified distance and visual assessment of every event
- Early threat detection at the outermost perimeter boundary
- Real-time situational awareness of perimeter events
- An edge-based solution that eliminates the risk of a system-wide failure

Solution: Protecting data center perimeters with SightLogix

Like all the manufacturers invited to participate, SightLogix was allowed to certify their product's initial configuration. Once done, the system had to stand on its own without any further involvement from SightLogix or Convergint during the evaluation. This would help ensure that only top-performing, real-world systems would earn the business.

As a result of the SightSensor's excellent performance, SightLogix was chosen as the approved video analytic solution for the customer's data center projects and Convergint was selected as a certified systems integrator to deploy the solution at several sites in North America, as well as globally.

The SightLogix system was selected among the video analytic manufacturers based on several key, demonstrated capabilities including detection performance, early warning capability, edge-based architecture, powerful processing, geospatial detection zones, automatic stabilization, open architecture for interoperability, and a toolbox of filters to manage outdoor conditions at each data center site.

Result: Enhanced security for outstanding perimeter protection

There are a number of challenges unique to data centers that are well served by a SightSensor smart thermal video solution. These edge-based video analytic systems work both day and night, obtaining a wide range of information to detect intruders in the darkness or bad weather. They provide early detection for preemptive awareness. When security professionals are alerted to this activity along with video of the event, a heightened level of security can be put into place to ensure appropriate response.

SightSensors have now been successfully deployed at the customer's data centers globally. SightLogix and Convergint continue to work closely with the customer to meet their rigorous requirements for outstanding perimeter protection. The success of this project highlights Convergint's technical prowess and project management capabilities, as well as its ability to partner with industry-leading manufacturers to provide high-performing security solutions across multiple verticals.

Offering high-security solutions across multiple verticals

Convergint and its partners work together to provide customers with high–level security solutions across all locations and verticals. To learn more about how to protect data centers, contact a Convergint expert today.

Due to the nature of the high security application, names, references and specifics have been omitted to protect confidentiality in accordance with the customer's requirements.