Case Study /

Modernizing Campus Security: Supporting Binghamton University's Migration to Genetec Synergis, and Maximizing its Value

BRAXOS | Composer

Composer streamlines organizational workflows and automates physical access onboarding and offboarding by unifying HR authoritative source data, addressing business, compliance, and security rules in one platform. Seamlessly integrate with existing systems requiring access. Composer automates repetitive tasks, eliminates errors, and controls access in near real-time, allowing your security team to focus on higher-value work.

Challenge /

Binghamton University faced critical security infrastructure challenges with their legacy access control system. No unified identity management solution existed to handle complex campus-wide access control.

Genetec Synergis was identified as the perfect Access Control system to future proof physical access security needs, but migration from their legacy systems was proving a challenge.

Student and faculty access data was fragmented across multiple disconnected systems. Complex data mapping was needed between the new Genetec implementation and multiple standalone systems (residential, parking, and academic administrative support, and their operational data store – (ODS). Ideally the full implementation of the Genetec solutions needed middleware to automate workflows and provide seamless and efficient integration and coordination of data exchange.

To ensure uncompromising security, Binghamton also needed an experienced partner to help manage a 12-month parallel system operation during migration from their legacy system to Genetec Synergis.

Solution /

Binghamton University engaged braXos to facilitate the transition and implement a comprehensive integration plan, connecting all relevant systems seamlessly into the Genetec Synergis instance.

To accomplish this, braXos did the following:

- Deployed our proprietary middleware solutions to enable seamless integration between legacy and new access control systems.

- Created API-driven connectivity for real-time data synchronization between the Genetec instance and data sources managed in StarRez, T2 Parking, Banner and the ODS, eliminating the need for multiple data inputs.

- Established automated role-based access control groups based on academic and residential system data.

- Developed custom business rules to manage active and disabled users' status, and automated granting permissions from both academic and residential systems.

- Maintained multiple data integrity and security protocols throughout the migration process.

Results /

The implementation delivered significant value across multiple areas:

- Enhanced security oversight with centralized control of important campus access points through the fully integrated Genetec platform.

- Reduced administrative overhead through automated system synchronization and ability to troubleshoot data inconsistencies.

- Eliminated manual data reconciliation, allowing security staff to focus on policy management and incident mitigation.

- Enhanced experiences for diverse stakeholder groups, through frictionless access to classrooms, residences and shared spaces, while at the same time ensuring greater safety and campus security.

- A scalable foundation for future security infrastructure expansion

Conclusion /

As higher educational institutions seek to modernize physical security infrastructures, braXos can provide harmonization of your access control systems to ensure maximum physical security.

About braXos

Founded in 2013, braXos is recognized as a market leader in physical access enablement, composing data synchronizations that enable interoperability in complex physical access ecosystems.

Deployed across five continents, we specialize in activating seamless communication between all the critical software infrastructure that connects hundreds of disparate software and hardware solutions essential to control and power physical access.