



Advanced Technology College (ATC), Daytona, Florida

Tyco Security Products offers protection for valuable assets and safety for students and staff at the ATC, which is part of Daytona State College and located on Williamson Boulevard, near LPGA Boulevard in Daytona Beach, Fla. An installation of this nature requires a system that can offer:

- Most reliable protection over an extensive perimeter
- Outstanding and highly encrypted communication paths despite challenging environments
- Capacity for [high transmission ranges](#) with improved battery life
- Cost saving simplicity of installation and easy maintenance

CASE SUMMARY

Location:

Daytona State College (ATC Building), Florida

Systems Installed:

[DSC PowerSeries Neo](#)

HS2128, PG9945
Door/Window Sensors,
Under-the-counter Panic
buttons, PG9920,
Alphanumeric Keypad,
TL280R-NA, HS2128,
PG9945P

[Sur-Gard System I Receiver](#)

TL300CF

The Advanced Technology College facility includes occupational classrooms and lab areas with brand new, state-of-the-art equipment and smart classrooms designed for each specific program. The building also includes wireless access throughout, along with Internet access and network connections in all classrooms, science labs, a multi-purpose room, a media center and open computer labs.

Introduction

Technology is changing the world. It's also changing education as many jobs require training in technology. That's why the [Advanced Technology College \(ATC\)](#) was created by Daytona State College. The ATC provides local residents with advanced technological training that meets the current and future needs of industry in the area. Some of the programs offered are:

- *Engineering Technology Programs*
- *Computer Science Programs*
- *Automotive Programs*
- *Construction, Manufacturing & Engineering*
- *Emergency Services Programs*
- *Continuing Education Programs*
- *Apprenticeship Programs*

Daytona State College has responded to the education and workforce training needs of Volusia and Flagler Counties and beyond for more than 50 years. The college enrolls about 28,000 students a year at its seven instructional sites, with graduates serving in critical fields, including health care, emergency services, business, education, hospitality, engineering technology computer science and more.

Challenge

The ATC building needed to offer protection for valuable assets and safety for students and staff in a massive two story state-of-the-art building with more than **120,000 square feet**.

This modern two-story building had been constructed with technology in mind, exhibiting a network room behind glass walls in the middle of their atrium with multiple network racks with routers and switches along with thousands of network cables are all interconnected.

The metal and concrete infrastructure of the building represented a real obstacle for any [radio frequency security](#) device communicating to a wireless radio frequency repeater. Monitoring students and staff activity, and loss prevention on campus, were the primary concerns for the security team at Daytona State College.

Third Party monitoring over conventional POTS represented a significant operating cost to Daytona State College each and every year as they needed to have dedicated phone lines for several FACP across several faculties. In addition, critical updates to the CF fire communicators and protection systems were required.

An installation of this nature required a system which could offer reliable protection over an extensive perimeter and highly encrypted communication paths despite challenging environments. In addition, the system need capacity for high transmission ranges with improved battery life and had to provide the customer with cost saving and easy maintenance options.

Solution

When the project began, the first step was to identify if the existing FACP installed on campus were compatible with Tyco Security Products' IP-Based Communicators and making sure that existing security systems equipment deployed amongst several buildings, such as specialized classrooms and offices that contained expensive IT equipment was, in operating conditions. At the ATC building this was achieved with the installation of intrusion alarm panels from Tyco Security Products, integrated into one central command center for easy management by Daytona State College security personnel.

A Sur-Gard receiver was installed on campus facilitating enabling campus staff to self-monitor its IP-based Commercial Fire communicators and burglary security systems. This enabled them to eliminate costly monitoring fees by third party monitoring as well as dedicated phone line fees.

Once the security system was in place, several buildings on campus could be monitored, including students, professors and staff, through the use of panic buttons. The end result is that the staff and faculties feel safer thanks to the installation of the new security system.

The Advanced Technology College in Daytona installed Commercial Fire prevention communicators; DSC PowerSeries Neo to protect entrances, classrooms and offices and the Sur-Gard so that campus staff could monitor its IP-based Commercial Fire communicators and burglary security systems.

The Customer – Daytona State College, Advanced Technology College

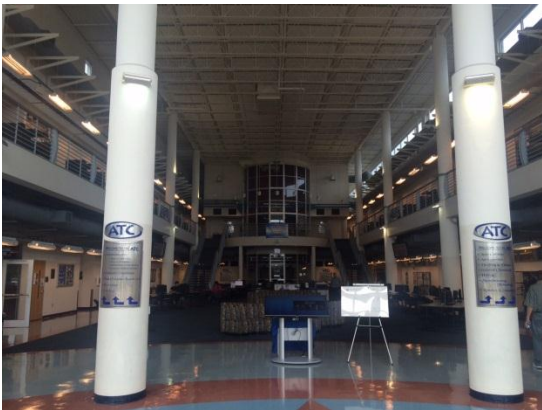
Advanced Technology College is part of Daytona State College and is a program that offers a variety of advanced technological training in a number of areas of expertise to help students earn certificates, associate of science and bachelor's degrees. Its programs include engineering technology, computer science, automotive programs, emergency services, construction and manufacturing. The ATC is located in Daytona Beach, Florida.

The Solutions Provider – Tyco Security Products

Tyco Security Products is a unified group of the most comprehensive world-leading premium access control, video, location-based tracking and intrusion solutions in the security industry. Tyco Security Products conducts business in

over 177 countries around the world, in multiple languages and employs over 2,800 employees globally, including research and development, marketing, manufacturing, sales, service and logistics teams in the Americas, Europe, the Middle East, Africa, and Asia Pacific. Our products, built by developers from all product disciplines, consistently allow customers to see more, do more, and save more across multiple industries and segments including healthcare, government, transportation, finance, retail, commercial and residential. Worldwide, Tyco Security Products helps protect 42% of Fortune 500 companies, transportation systems on five continents, 37% of the world's top 100 retailers, over two million commercial enterprises, thousands of students in more than 900 educational facilities, and over five million private residences.

Supporting Pictures



Main Entrance



PG9920 Installed on 2nd Floor.



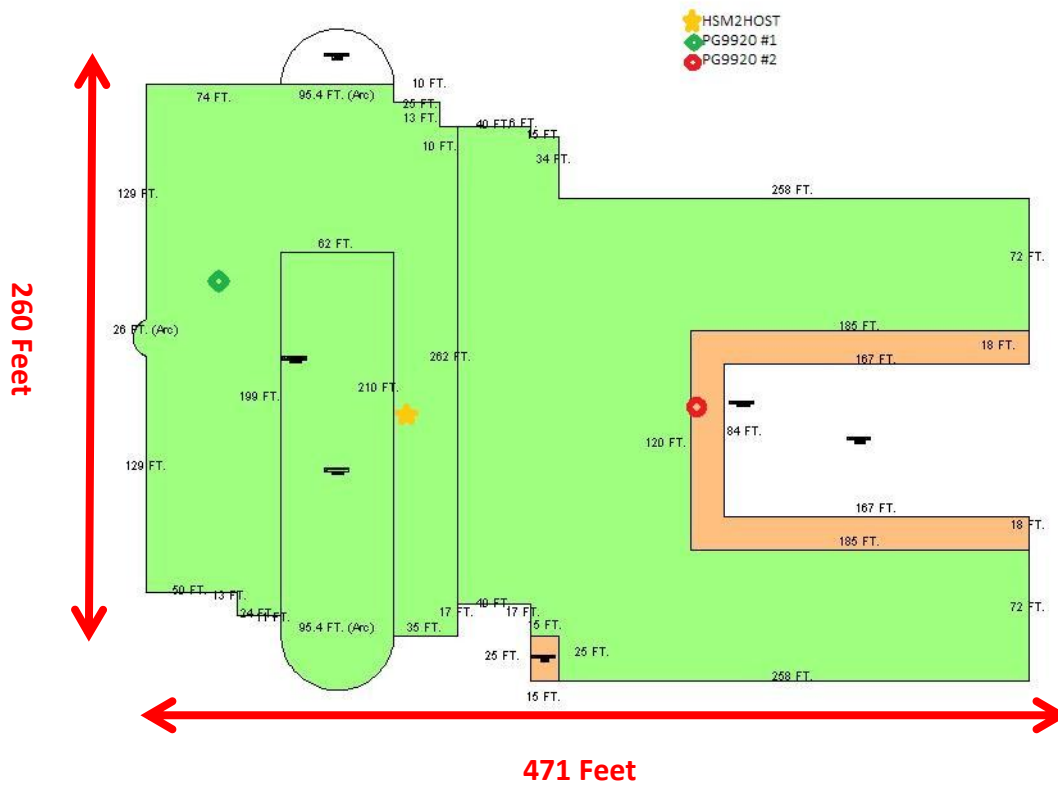
HSM2HOST Located on 1st floor under CAT5 Tray



PG9920 2nd Floor front view. (Elevator)

ATC Building Layout

Building infrastructure: Metal and concrete



Total square footage: 120,000 +

ATC Building Aerial Range View in Satellite Map



PowerSeries Neo effective transmission range in this installation: 3,937 Feet (1200 meters)