

SUCCESS STORY

An A+ Security Solution That Focuses on the Future

Tampere Vocational College Tredu (Tredu) is the second largest vocational college in Finland, with over 18,000 students yearly and 1,000 staff members spread throughout numerous locations. Tredu is not an average school; its pragmatic approach to education and emphasis on internationalization draws a wide variety of students from across the country to learn by doing, studying and working.

As its course offerings change and grow with the economy, Tredu requires a high degree of flexibility and adaptability to expand its programs to wherever workers are needed. This made it necessary for Tredu to deploy a scalable security solution that could keep pace with its growth while helping to protect what matters most — its staff and students.

To address concerns such as vandalism and unwanted visitors on campus, Tredu sought a complete security system that included high-performance video surveillance and access control solutions, as well as video analytics. While the school desired state-of-the-art technology, it was also essential to adopt user-friendly video management software that its security officers could easily learn to use.

A Scalable Solution

To enhance the safety and security of its staff, students and resources, Tredu implemented a complete Avigilon security solution. Over a number of years, Tredu has deployed more than 900 Avigilon cameras with self-learning video analytics, an Avigilon Access Control Manager (ACM) system, and Avigilon Control Center (ACC) video management software with Avigilon Appearance Search technology.

The system has been able to scale with Tredu's growth while allowing the integration of new technologies and innovations as they're developed. Avigilon self-learning video analytics have shifted the focus of Tredu's security officers from monitoring to verification and response by providing them with real-time alarm notifications of potentially critical events. The exceptional image detail of the video captured by Avigilon cameras has provided full situational awareness, allowing the security officers to assess events and respond accordingly while also serving as conclusive evidence during investigations. After hours, the access control system has helped secure its campuses by restricting access to certain areas while still allowing authorized personnel to move freely throughout the school.

“Our Avigilon security solution has allowed us to achieve the goals we set out — to increase security on our campuses while improving the process efficiency of our security operations,” said **Sami Alijärvi, Security Designer at Tredu**. “The system not only allows us to respond to events within seconds but provides insights that help us proactively address potential problems before they even occur.”



tredu
TAMPERE VOCATIONAL COLLEGE

Tampere Vocational College Tredu

Industry: Education

Location: Tampere, Finland



Avigilon Solutions Implemented

Avigilon Control Center (ACC) Software

Allows quick and easy review of live or recorded video with a simplified screen layout, intuitive controls and self-learning video analytics. Also features [Avigilon Appearance Search™](#) technology to help you quickly find a person or vehicle of interest.

Access Control Manager (ACM) System

Works together with ACC™ video management software to produce action-based alarms and notifications so you can respond quickly to events.

Self-Learning Video Analytics

Recognize and detect the movements of people and vehicles, notifying you of events that may need further investigation.

Results That Matter

A Solution for Today — and Tomorrow

When choosing a security solution, Tredu anticipated certain needs; it knew it required a system that could offer ease of use and adjust to growth. The Avigilon system met these needs by providing a centralized system that security officers could easily learn to use to manage the school's numerous sites and locations, with the ability to expand as Tredu did.

The Avigilon system also met several needs that Tredu hadn't predicted, such as those associated with new rules and regulations surrounding security and surveillance technologies — namely, the [General Data Protection Regulation \(GDPR\)](#). As video is considered personal data of the subjects captured on camera, the GDPR implies that those who own and operate video surveillance systems must carefully consider, document and manage the privacy impact of their video surveillance systems. Avigilon video surveillance solutions including ACC software include features and functionality that help to support Tredu's GDPR compliance.

Proactive Security

Since the installation of the system, Tredu has leveraged Avigilon self-learning video analytics to help proactively detect and verify instances of bullying, crime and vandalism. The analytics, which are embedded in the cameras, monitor Tredu's campuses 24/7/365. When the presence of a person or vehicle is detected and an analytic event is triggered, an alarm is generated in ACC, allowing security officers to determine whether further action needs to be taken.

If a person or vehicle of interest needs to be located on site, Avigilon Appearance Search can be used to sort through hours of video with ease to quickly identify a specific individual and track their route in real-time or during investigations. Additionally, as Tredu has expanded its access control system, ACM™ combined with the H4 Video Intercom have allowed security officers to quickly and easily identify and communicate with a visitor before remotely granting access, which has helped secure the campuses after hours.



H4 Video Intercom



"No matter how our needs have changed throughout the years, Avigilon has stayed ahead of the curve to offer the solutions we need to help keep our students safe," said **Mr. Alijärvi**. "Continuous innovation, commitment to quality and maintaining a user-friendly design have been key factors in providing us with some of the most advanced security solutions available in today's market."

Continued Success

Since its initial implementation, Tredu's complete Avigilon security solution has far exceeded expectations. By deploying forward-thinking solutions, Tredu has been able to change and adapt to its growing security needs as well as external factors, such as the introduction of new regulations.

By helping to proactively protect its students, staff and resources while maintaining ease of use, the Avigilon system has become central to Tredu's security operations, and as a result, the school plans to expand Avigilon solution to new campuses as they develop. ■

Next Steps

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