Case Study:
Education
Student Access & Safety

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Client Situation

A private school in the USA wanted to protect students from the likelihood of transmitting the COVID-19 virus within their campus. With seven hundred students from kindergarten through high school, it was the administration's goal to keep the school operating and detect potential risks to students, faculty, and staff.

Damstra's Access Control application would keep the school running smoothly with facial recognition and elevated temperature detection to create a safer and healthier educational experience.

Challenges

Prior to implementing Access Control, the school was facing the following challenges:

- **Controlled Access**
  The need to control access to the school premises at all entry points during a pandemic was limited by no prior protocols for verification of staff and student identity.

- **Immediate Response**
  With a student population of seven hundred accessing the premises daily during during a pandemic, the need to provide immediate, rapid safeguards for students, faculty, and staff was critical to improve health and safety protocols.

- **Ease of Use**
  The need for one solution that worked easily for all student ages, arriving on campus at designated school start times and at each premise entrance.

- **Automated Alerts**
  To maintain a smooth flow of staff and students entering the premises, a need for systematic staff and student facial scanning and elevated temperature detection automated alerts was critical to avoid the potential transmission of the COVID-19 virus.

Damstra Solution

With Access Control, the school administration, students, and faculty feel protected and informed of potential risks to COVID -19 virus transmission. Five modules comprise the Access Control platform for workplace safety:

Terminals with built-in verification

- Terminals with easy-to-use touch screen displays that are secure and intelligent
- Sophisticated bio-metric technology via finger scanning or facial recognition
- Wall-mounted, standing, or desk terminal options to locate it anywhere
- Card access control systems
- Sticker printers, temporary identification, RFID

Integrated Alcohol and Drug Testing

- Fully integrated devices allow blood alcohol content testing
- Devices are configured to the level of testing - random selection, voluntary
- Alerts and reports via email, text for non-compliance

Turnstiles, Gates, and Doors

- Access control terminals fully integrated with turnstiles, gates, doors, and locks
- Vehicle Entry and Exit Options
  - Boom and sliding gates
  - Bollards and wedges
  - Emergency stops and deployment walls
- Human Entry and Exit Options
  - Door access control software with different hardware options
  - Turnstiles
  - Tripod barriers

Visitor Management

- Visitor management address security, safety and compliance issues
- Terminals
  - Desk mounted
  - Free-standing
  - Wall mounted
  - Mobile tablets

Access Control helped this private school:

- Control access for seven hundred students entering the school premises without interrupting school operations
- Quickly implemented health and safety protocols during a virus pandemic
- Provide one solution that all ages could use to help protect the educational environment
- Determine virus transmission risks in automated, real-time

Outcomes

Since implementing Access Control, the private school improved its health, safety, and compliance protocols. With Access Control, the school has been able to keep classes open and premises operating. Therefore, there was no reputational or monetary loss due to school closures.

ABOUT DAMSTRA TECHNOLOGY

Damstra's Access Control is a module in Damstra Technology's Enterprise Protection Platform (EPP). This comprehensive platform helps organizations maximize performance, safety, and profitability by orchestrating disparate processes and technologies.

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