



Top Marks for All-Around Monitoring

Innovative Swiss Schools Use MOBOTIX Camera Technology

The Eduzis schools (taken from the Latin “educta”, meaning “to learn”, and “Du”, the German word for “you” used among family and friends) are located in Zurich’s immediate surroundings, with the “Eichi” site in Niederglatt and “Seehalde” site in Niederhasli. The schools are attended by approximately 500 children aged 11–15. Around 100 adults work in the schools, which are members of the Association of Mosaik Secondary Schools and therefore place a particular emphasis on individuality and independence. Mixed-age learning and genuine inclusivity are central components of this concept.

Challenge — Staying on Top of Things Day and Night

The schools used to constantly receive unwelcome visitors. For example, there were repeated instances of vandalism and theft, especially at the bike sheds. Time and again, the groundskeepers had to dispose of discarded cigarettes and bottles, as well as signs of drug use. Leisure facilities closing during the Covid-19 pandemic led to an increase in the number of these unwanted visits to the school grounds, which eventually prompted the school’s directors to take action.

The existing video system was outdated and could no longer guarantee proper video surveillance. To enable a new system to be installed, some of the network cables had to be laid over long distances. The versatility of the MOBOTIX M73 cameras made it possible to reduce this to a minimum, ensuring the schools could continue operating without interruption.

Solutions and Benefits — Budget-Friendly and Weather-Proof

Twenty-one MOBOTIX M73 cameras are now in use across the two sites, each featuring two lenses (day and night) and IR emitters. The 4K cameras boast excellent image quality and a modular design. This means that in many locations, one camera can monitor multiple areas at the same time, thereby lowering the cost of the project.

Gentix installed the network cables and camera bases towards the end of 2020. Following heavy snowfall, MOBOTIX partner Gesitrel AG was able to complete the installation and configuration. “It’s no surprise that the school operator places great importance on the cameras’ weather resistance,” said Vittorio Palmisani from Gesitrel. “The MOBOTIX M73 cameras work reliably at temperatures ranging from -40 to +65°C, while their aluminum and glass-fiber-reinforced plastic housing makes them extremely robust and weatherproof.”

The high-resolution video recordings enable all movements around the school buildings to be followed. The video footage is only analyzed if something looks suspicious or something has been damaged. The MOBOTIX video surveillance system has led to a significantly higher number of perpetrators being caught. The camera’s effect as a deterrent is also evident.

Conclusion — Basic Goal Achieved, Potential New Applications

Thanks to installing the MOBOTIX cameras, time-consuming patrols can now be avoided. There have been fewer acts of vandalism and no more thefts at the bike sheds. The number of graffiti attacks has fallen, and if they do happen, they can be effectively followed up on.

Currently, the 7th-generation MOBOTIX cameras are used purely for investigation purposes. But the cameras’ flexibility means there is potential for additional applications, including the use of intelligent apps should minimum distances need to be observed or overcrowding avoided as part of coronavirus control measures, for example.

Key Data

Sector

Education & Science

Customer

Eduzis school, Niederglatt/
Niederhasli

Partner

Gesitrel AG, Schaffhausen
Installer: Gentix AG, Regensdorf

Time frame

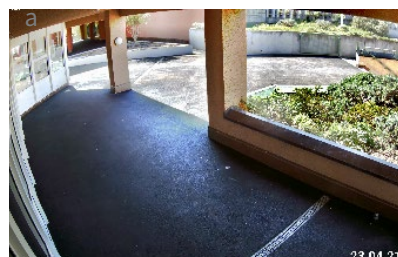
2021

Solutions

Eichi site: 9 x M73

Seehalde site: 12 x M73

All with two lenses and IR emitters each



We are extremely satisfied. Our primary goal has already been achieved: The high-resolution 4K recordings allow us to follow almost every movement around the school building and investigate should something suspicious happen. The additional software available for the modular cameras means they have even more potential.



Roger Eckert, groundskeeper at the Eichi site

