

# Thermal imaging monitoring system at German refrigeration plant.

Güntner-Tata chooses Axis high-quality cameras to protect its largest production unit.



**Organization:**  
Güntner-Tata Kft.

**Location:**  
Tata, Hungary

**Industry segment:**  
Industrial

**Application:**  
Safety and security

**Axis partners:**  
Criterion  
Biztonságtechnikai Zrt.,  
Milestone

## Mission

The owners of Güntner-Tata wanted to replace their old, obsolete security system with a modern one that can be simply and quickly expanded. They wished to install cameras in the versatile and complex operating area in such way that would allow them to obtain a high-quality system, with acceptable value for money, and which could also operate the still functioning analogue cameras, without any further problems.

## Solution

Criterion Zrt. put together an offer for Axis and Milestone systems, which included service and guarantee, as well as excellent reviews, and successfully won the tender. Güntner-Tata's primary goal was the protection of property, because they work with precious metals (silver and copper). They also aimed to reduce workplace accidents, especially traffic accidents. Several 360°-wide cameras were installed in the area, which now essentially see everything, and the latest thermal cameras were used for perimeter protection.

## Result

The installation and use of the system have produced spectacular results, which greatly increased the prestige of the property protection area within the company. Thanks to these results, the newly built logistics area may also be equipped with the best Axis cameras. Moreover, the new firewall solution will enable regional executives to monitor the production of their own departments on tablets and allow them to use camera images for production optimization.

**“Maintaining and renewing an analogue system is very costly. From that money, we can build an IP system with a larger spectrum that is much more modern and obviously, such new system’s intelligence and technical support is greater than that of an analogue one.”**

Péter Seftsik, Security Manager, Gntner-Tata Kft.

Gntner-Tata Kft. manufactures industrial evaporators, air coolers and condensers, amongst other things, in its state-of-the-art technology production halls, for international and domestic clients. Alongside manufacturing, new production technologies are developed by engineers from Tata, for the entire group of companies. In a spectacular spur within nearly three decades, the production area has increased from an initial 2000 square meters to nearly 40,000 square meters, and the number of employees from 40 to about 1350 workers in Hungary.

### Thoughtful, detailed design

The company wanted to modernize its old security system. They were considering analogue technology in the beginning, but they opted for IP-based systems after some time went by and they saw its potential. “Maintaining and renewing an analogue system is very costly. From that money we can build an IP system with a larger spectrum that is much more modern and obviously, such new system’s intelligence and technical support is greater than that of an analogue one.” – said Pter Seftsik, Security Manager at Gntner-Tata Kft.

Criterion Zrt. has offered the company a solution that is capable of providing protection to an area that is both complex in its setup and serves as a multifunctional space, furthermore the solution can integrate with functioning analogue cameras via Milestone XProtect® VMS, and at the same time, offers numerous opportunities for future development. Such solutions were for example the thermal imaging perimeter protection (with AXIS Q1941-E Network Cameras in several lens sizes), the opening of gates controlled through cameras, the Axis Corridor Format for transmitting vertically oriented video streams from cameras, for optimal coverage of narrow spaces (corridors, staircases, scaffoldings).

Finally, more than 100 IP cameras have been installed, including AXIS P3225-V MkII, AXIS M3027-PVE, AXIS M1125-E and AXIS P1435-LE, in addition to thermal cameras.

### Successful protection of property

The company’s security service, which typically performs uniformed tasks, and one of its investigation teams, who analyse and evaluate the recordings and take action during incidents. Ever since the introduction of the new IP-based system, the prestige of the property protection area within the company has increased greatly. It is interesting to note that the number of incidents has only slightly decreased, due to the fact that thus far incidents have been widely underreported, because only a small number of crimes could be investigated retrospectively. Cases that ended up in court and resulted in sentencing already made up for the full cost of the camera system, within the first year. The tendency shows that larger cases disappear and the thresholds in terms of value are also decreasing. Thanks to the excellent recordings, the investigation of incidents can be closed within a short time. This success is partially behind the fact that the protection of property has been given more attention and has been allocated a higher budget in the planning of the next two development stages.

In the framework of a recently launched new project, a modern logistics centre will be developed with a 40,000 m<sup>2</sup> hard-paved storage area, a 6500 m<sup>2</sup> warehouse hall and a 9,000 m<sup>2</sup> production hall. 54 AXIS P1435-LE Network Cameras as well as two multifunctional AXIS P3717-PLE Network Cameras will be installed in there. And in later stages, they want to build a workers’ hostel, a shopping center and other commercial units for the company’s employees. The planning of that project is currently underway.



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