

## UAB Eugesta, Vilnius



# Logistics centers require special surveillance camera's resolution

One of the most relevant examples of using high-resolution cameras is logistics centers. There are constant movements of goods, a lot of processes involving a number of employees who have to be controlled due to avoid misdemeanors of labor standards, stock outs, disorder in warehouses. The main difficulty in finding a technical solution for logistics centers is image detail assurance.

Traditional technology allows to achieve required results only by using a large amount of analogue cameras which makes the observation more difficult with additional equipment and personnel.

### Analogue system's view too primitive

Eugesta is one of the largest companies in the Baltic region, which has wholesale trade, distribution and logistics sectors. The company distributes the most famous European manufacturers such as Colgate Palmolive, Danone, Ferrero, Henkel and others.

For a long time Eugesta like most other companies had analog video system installed. It was suitable only for observing the overall situation in handling and sorting areas.

Problems encountered when video was not detailed enough to identify people involved in theft, equipment damage or other misdemeanors. Moreover, the video of shipment was useful only to determine the number of pallets, but it was impossible to distinguish which goods exactly were exported.

### The award-winning solution

The first MOBOTIX high-resolution video surveillance system was installed in Eugesta distribution warehouse in Vilnius. The system consisted of 48 M22 surveillance cameras which were connected to network switchboards by computer cables (signal and power transmission at the same cable), copper and optical switching network (connecting switchboards) and special NAS hard drive arrays containing relevant information.

Comfortable video observation and archive monitoring was ensured by 4 LCD monitors.

Additional work places to observe real-time video and to do the video search were equipped in manager's computers.

"When Eugesta moved to a new center, there were no doubts what surveillance system to install.

System's success and the fact that investments paid off in less than one year led to the same decision.

Only this time the system was much bigger - the new Eugesta surveillance system consists of 98 high-resolution MOBOTIX cameras", explain Albertas Židonis, who is director in Redlaines who made the installation.



“Only 34 MOBOTIX cameras were proposed instead of 115 analogue ones”

## Observing the overall situation in handling and sorting areas

### Fewer cameras mean fewer problems

While searching for technical video surveillance system decision in Eugesta warehouses and territory, at first it was planned to increase the number of existing analogue cameras

In this case 115 cameras would be needed, however even this number wouldn't guarantee that every corner will be observed. Almost 100 meters space between racks needs 3 analogue cameras, but there were not enough space for an installation. Also 115 cameras observations at the same time require additional staff, which increases the company's costs.

Professionals from telecommunications company Telenedra together with MOBOTIX distributors company Redlainas proposed a unique decision – instead of three analogue

cameras in the spaces between racks use one MOBOTIX camera, sorting and stevedoring areas protect with particularly wide angle (90 degrees) cameras.

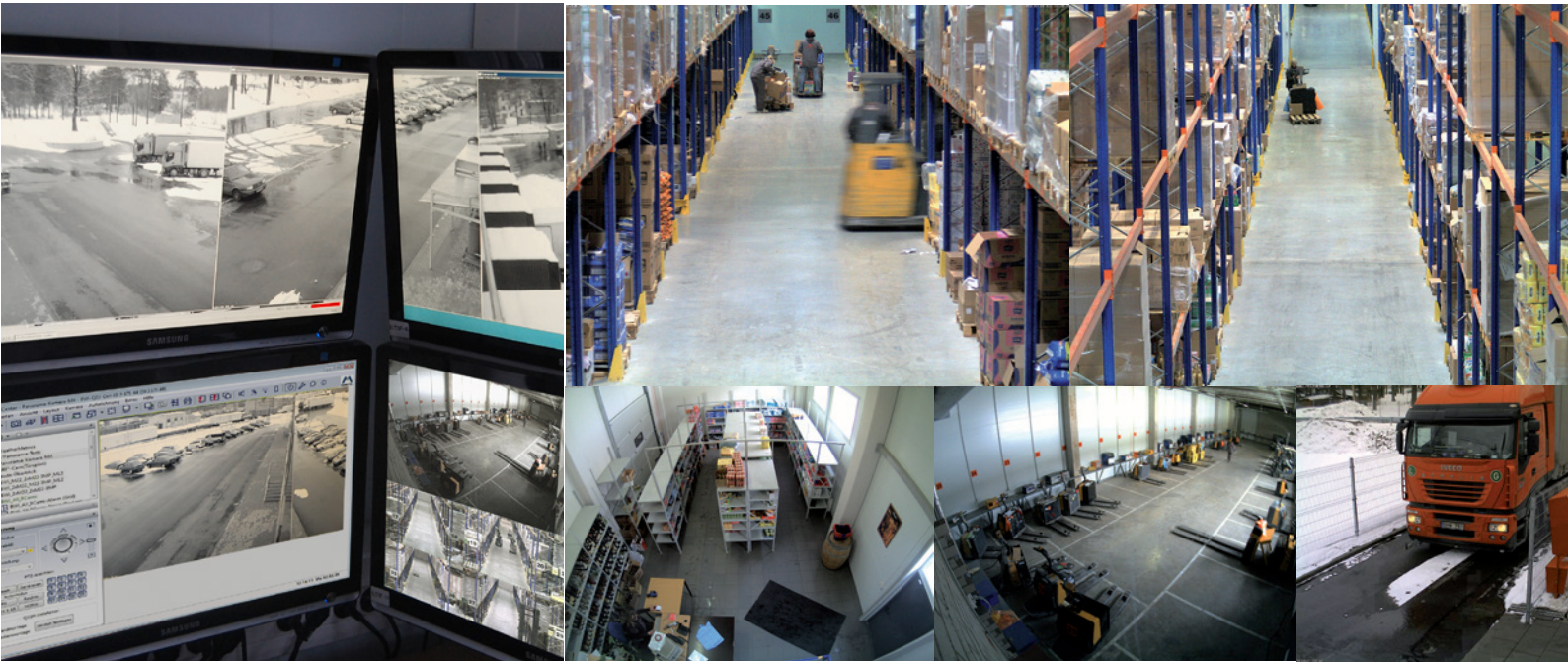
Three million pixels sensor contains 10 units. 480TV lines cameras, for this reason MOBOTIX camera can see further and wider. Only 34 MOBOTIX cameras were proposed instead of 115 analogue ones. This project didn't require additional staff and guaranteed that every area will be observed.

### Easy video recording and archiving

UAB Eugesta had special requirement for video archive, because video recording and quick search for a necessary video part is very important for a passive storage video surveillance system. The company needed that every camera

would be able to store 30 days video records. High resolution cameras usually lead to very large amounts of information which requires additional equipment, but unique “MOBOTIX” information encryption algorithm MxPEG is able to reduce the amount of information even five times, elaborates Albertas Židonis.

MOBOTIX cameras are equipped with all the software that is needed for video processing. Additional power processors or servers are unnecessary, usual hard drive and NAS-type information aggregators are sufficient. NAS type video storage devices in Eugesta has duplicate power supplies, hard drive duplication and replacement function without turning the device off. These devices ensure the possibility of video archive storage for at least 30 days.



### More projects in the future

“We are thankful that you persuaded us to use completely new system and to refuse old obsolete analogue cameras even if it was more expensive for us” states Eugesta. After the executive persons of the company have estimated the overall benefits for the company, they talk about it very positively.

In less than one year it was clear that this system is the best “Eugesta” decision for the warehouses. There were no crashes, the system worked well and completed all the tasks.



MOBOTIX has developed and manufactured IP video systems, video management and analysis software in Germany since 2000.


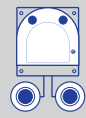



MOBOTIX stands out for its **high level of reliability**. All outdoor cameras are subjected to a stress test for temperatures between -30°C and +60°C (-22°F and +140°F). Without additional components, without heating or cooling and with no moving parts (for example auto iris), they are virtually maintenance free.



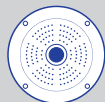

MOBOTIX delivers a **perfectly matched package**, starting with the microSD card for storage management and HD audio (microphone and speaker) with VoIP telephony through video analysis, a professional video management system and motion detection software reducing false alarms.





The **decentralized architecture** means that a central computer is not required and the network load is minimal. The intelligent cameras from MOBOTIX process and store image data themselves, trigger events and, in the event of remote access, manage the frame rate and resolution depending on the available bandwidth.





The **6MP Moonlight sensors** and complementary **thermal imaging technology** ensure reliable detection of moving objects, even under the most challenging light conditions and over long distances. As a result, it is possible to cover large areas with just a few cameras. Less power cabling, less IT infrastructure and fewer additional light sources are needed. MOBOTIX cameras are powered using standard PoE and do not require more than 4-5 watts.



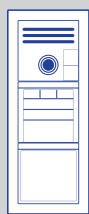

An intelligent IP video system from MOBOTIX allows you to **reduce total costs**. The investment pays for itself after a short time and the free-of-charge software and updates ensure it is a future-proof investment.

Outdoor Dual Lens			Thermal	
M15/16 AllroundDual	S15/16 FlexMount	D15/16 DualDome	M15/16 Thermal	S15/16 DualThermal
				
Robust for extreme conditions	Flexible dual camera	Modular dual camera	Thermal dual	Thermal dual

Outdoor Single Lens			
M25/26 Allround	S15M/26 FlexMount	Q25/26 Hemispheric	D25/26 Dome
			
Robust for extreme conditions	Discreet, video analysis	Discreet, video analysis	Modular Fix dome

Indoor			
i25/26 Panorama	c25/26 Hemispheric	p25/26 Allround	v25/26 MiniDome
			
180° hemispheric	Discreet, video analysis	Modular ceiling camera	Vandalism camera

Door Modules			MxDisplay+
Camera	BellRFID	Keypad	Remote Station
			

Door Sets			
Double Frame		Triple Frame	
			

Retailer information: