GEUTEBRÜCK

Enervie Group

SECURING CRITICAL INFRASTRUCTURE TO PROTECT AGAINST SABOTAGE, VANDALISM, BREAK-INS AND THEFT

THE CLIENT

ENERVIE - "Südwestfalen Energie und Wasser AG" is the group of companies comprising "Mark-E Aktiengesellschaft", "Stadtwerke Lüdenscheid GmbH" and "ENERVIE Vernetzt GmbH".

The ENERVIE Group supplies electricity, gas, heat and drinking water to more than 400.000 customers and energy trading partners in Germany.

This makes ENERVIE one of the largest independent energy service providers in Germany. ENERVIE stands for efficient energy solutions, also operating several own power plants.

ENERVIE operates various sites at geographically dispersed locations in its supply region.

THE CUSTOMER'S REQUIREMENTS

The challenge is to plan and deliver a customized security solution for each individual site adapted to the site's specific demands.

The first challenge was the varying locations of these sites which needed to be taken into account, some sites being located in mixed residential and commercial areas on multi-lane roads with buildings extending right up to the property boundary while others are dispersed in wooded peripheral areas. Secondly, the existing infrastructure differed from site to site and needed to be integrated.

The requirements:
- Securing the company premises against unauthorized entry (perimeter protection)
- Securing building entrances and access roads
- Securing of transformers, storage buildings, storage areas and site boundaries to neighbors
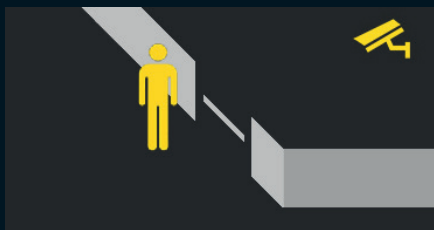- Documentation and assistance in investigating sabotage, vandalism, break-ins and theft

GDPR compliant database, with secure access authorizations

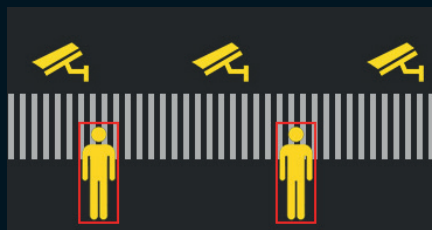Integration of existing cameras

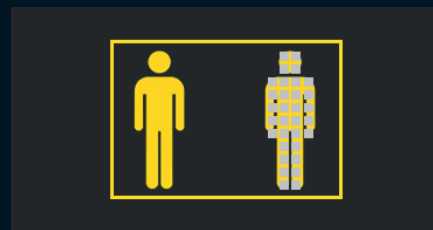Usable in court, exportable recordings

Monitoring the entries
Conspicuous persons are recognized and documented.

Perimeter protection
Seamless monitoring of the site boundaries with video content analysis.

GDPR compliant
Moving employees are unrecognizably pixelated.

- Process monitoring of power generation
- Integration of existing cameras

Feature demands:
- **Real-time monitoring:**
Real-time monitoring with 5MP cameras to immediately detect and evaluate intruders or suspicious events in high resolution and detail.

- **Video content analysis:**
Automatic detection of people and objects with automatic alarm activation for immediate incidence response and live image recording. Explicit request: Minimising of the false alarm rate, especially at the perimeter.

- **Database / Security:**
Encrypted, password-protected storage of video data with access via 4-eyes password and permanent health monitoring of server and camera states. Export of recordings to storage media for use in court.

- **GDPR compliance:**
Static masking of image areas showing public areas, neighboring properties, etc. and dynamic masking of moving objects to repsect the privacy of employees in certain areas.

- **Expandability:**
All video security systems are to be connected to a central security information management system so that all locations can be centrally monitored, controlled and incidents evaluated from there.

THE GEUTEBRÜCK SOLUTION

In total, a large number of IP cameras, box as well as dome cameras, G-ST stations including the G-Core video management software and VCApro servers for video content analysis were installed at the various sites.

The advantages for the customer:
- Permanent monitoring of critical and sensitive areas in compliance with CRITIS requirements.
- Documentation and traceability of events and processes on the company premises.
- Fast response time due to lantency-free activation of alarm images and alerting of incidence response staff.
- Immediate situational awareness for fire and rescue services based on incident recoginition.
- Identification, documentation and optimization of workflows and processes (audits, inspections, certifications).
- Simple, user-oriented operation of the systems.

SERVICE AND SUPPORT

Together with the installation company Hait GmbH, Geutebrück planned and delivered an highly available video solution that completely fulfilled ENERVIE's requirements.

Geutebrück provided comprehensive training for employees, support during installation and commissioning as well as service and maintenance.

Geutebrück video security solutions from a single source.

| SOFTWARE | HARDWARE | SERVICES SUPPORT |