



COMPLETE PERIMETER PROTECTION SAFEGUARDS RURTALWERKSTAETTEN IN GERMANY

Break-in, theft and vandalism are problems that every factory premise has to contend with, including Rurtalwerkstaetten in Dueren, North Rhine-Westphalia. The fact that its particular focus is on the integration of disabled persons into working life is unfortunately no deterrent to thieves. The company's Niederzier site has suffered repeated break-ins and items have been stolen from its metal and glass bottle storage facility. Now however, thanks to an ingenious security concept and a combination of video, motion detection and sensor systems, Rurtalwerkstaetten is fighting back.

As one of the region's largest employers, Rurtalwerkstaetten provides employment to around 1000 staff across no fewer than six sites. The Niederzier site covers an area of approximately 9000 m² and contains workshops, storage rooms and areas for metal and sheet metal processing, woodworking, packaging and assembly, mechanics, gardening and landscaping, a kitchen and work areas with special supervisory requirements. Whilst the premises are secured on one side by the main building, a very busy highway and an almost impenetrable hedge, entrance gates and fences along side roads make it easy for potential thieves to see into and enter the site. Thieves are particularly attracted to the metals warehouse and the storage area for noble gas bottles which contain valuable materials.

Fences have been cut open and not only has stainless steel been taken from the metals warehouse but on one occasion, three small vans were stolen. Plant manager Klaus Amling turned to ABN Alarmanlagen-Bewachung-Notrufservice in Aachen for help. After analyzing the situation in Niederzier, ABN developed a customized security concept that takes into account local conditions and the existing infrastructure. The system is based mainly on the professional video technology, motion detection and video-based alarm services of the Central Monitoring Station (CMS), which is incorporated as a functional element. The result is complete perimeter protection which minimizes the probability of false alarms through intelligent linking of video and infrared sensors.

Until now, only two entrance gates were monitored using standard analog cameras. Four more high-quality analog cameras have now been combined with ADPRO Passive Infrared Detectors (PIR). With a range of up to 150 metres, the detectors cover the sensitive areas along the outer perimeter, the at-risk storage facilities and the natural gas fuelling station. Cameras and motion detectors transmit their signals to a HeiTel VideoGateway CamDisc SVR. The VideoGateway does not just record video sequences at predefined times (agreed with the Works Council) it also immediately reports alarms to the Central Monitoring Station (CMS) operated by ABN. The important thing is that the alarm messages are clear and that false alarms can be ruled out. To make this possible, the HeiTel VideoGateways link the Video-Based Motion Detection (VMD) with ADPRO Passive Infrared Detectors (PIR) with the result that almost no false alarms are forwarded to the CMS.

Rurtalwerkstaetten

Project:

Perimeter protection for open space industrial area combining Video Motion Detection and Passive Infrared Detection

End User/Location:

Rurtalwerkstaetten Lebenshilfe
Dueren
Niederzier, Germany

Installer/CMS:

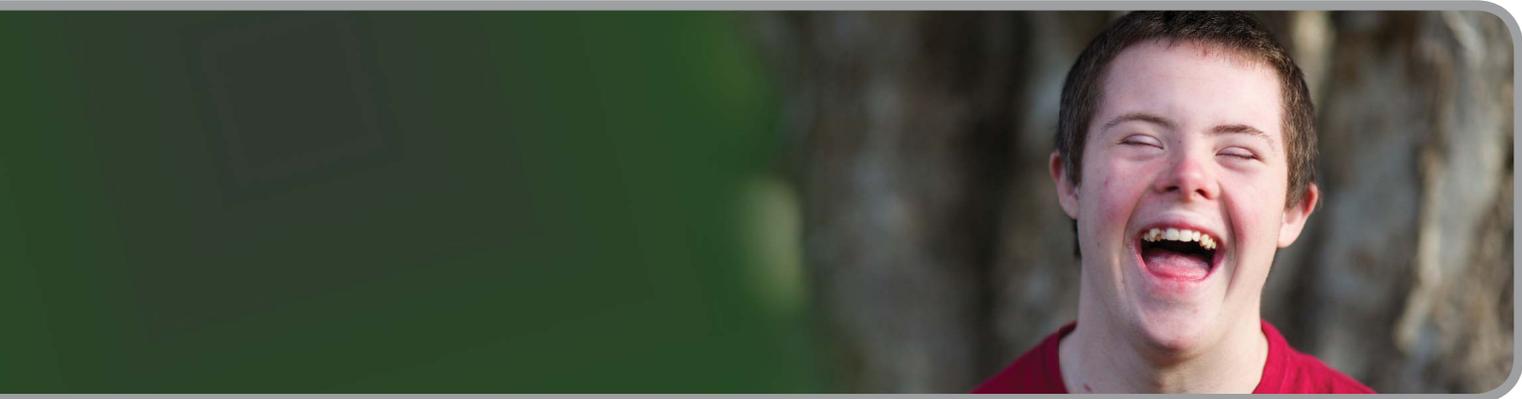
ABN Alarmanlagen-Bewachung-
Notrufservice, Aachen, Germany

Industry:

Manufacturing

Solutions:

- HeiTel by Xtralis VideoGateways
- ADPRO PIRs
- HeiTel Event Management System



When the ADPRO PIRs are installed correctly, the false alarm rate decreases dramatically”.

— Norbert Jarosch
Technical Director
ABN

Unnecessary and expensive physical deployments are prevented while very rapid alarm verification by means of video link is still possible at any time. Following a prior call and entry of an agreed password, including after the security system has been activated, the CMS can allow access to the premises remotely and thereby monitor who is entering or leaving the site.

Plant Manager Amling summarizes the project as follows: “We are very pleased with the design and installation of the system by ABN and are confident that our new, clearly marked surveillance system will mean no further break-ins. ABN was an obvious choice as installer because we have been using their services for many years now, including guard and patrol services, and over time a real relationship of trust has developed between us.”

“We apply the PIR series with great success and appreciate not only the phenomenal low false alarm rate, but the exceptional detection reliability and easy and time-saving setting-up of these outdoor motion detectors. When the ADPRO PIRs are installed correctly the false alarm rate decreases dramatically”, states Norbert Jarosch, Technical Director at ABN. “The PIRs unique remote diagnosis and remote configuration features allow us to analyze the detection characteristics right away - using the time-synchronous video transmission - and optimize the parametrization. That’s why we can guarantee our customers a high system availability and operational reliability.” He explains ABNs market approach offering pro-active security services: “The combination of intelligent perimeter protection, HeiTel by Xtralis VideoGateways and the video-based services of the CMS ensures a distinct additional value for our customers. Early detection of intrusion effectively prevents damage or crime before it’s done. The combination of infrared motion detection and video based alarm verification by the CMS also fulfils the (in Germany obligatory) requirements for alarm verification. The intervention forces will then snap to it right away. Surveilling a recycling yard with ADPRO PIRs, we had 4 arrests within a short time - a succes that speaks for itself.”

The Rurtalwerkstaetten management can be sure that their investment in the ingenious perimeter protection system will repay itself very quickly. The considerable damage caused by break-in and theft will be prevented in the future through early and reliable detection, video remote verification and a rapid intervention.

For more information on Xtralis go to www.xtralis.com

For more information on HeiTel by Xtralis, go to www.heitel.com

For more information about Rurtalwerkstaetten, go to www.rurtalwerkstaetten.de

For more information on ABN Alarmanlagen Bewachungen Notrufservice, go to www.abn-ac.de



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