netavis

NETAVIS · VIDEO ANALYSIS AWARD · WINNER 2013

LINZ AG

The wide range of products and services demand a highly flexible and unlimitedly scalable video management with seamlessly integrated video analytics.
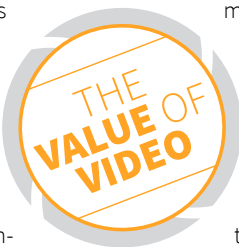
„Our customers and we are excited about the scalability of Observer. Independent from the points of use or the department affiliation of a particular user, access is granted to the video material that is required for his work."

CHRISTOPH LEHNER
SAFETY ENGINEERING LINZ AG TELEKOM

Challenge

LINZ AG is the leading utility provider in the City of Linz and 116 other communities in the region of Upper Austria. The scope of supply and services includes electricity, gas, community heating, water, sanitation, public transport, public baths and the port of Linz.

Reliable surveillance of critical infrastructure as well as high flexibility of the video management system are of high relevance to LINZ AG. Countless small, individual installations with analog cameras should be replaced step by step by a single distributed IP system that can easily be extended by cameras and modules for various purposes. At the same time it is crucial, that the video management platform integrates frictionless with existing security systems in the corporate group. Due to many different business units, an easy to handle yet precisely adjustable user rights management was another challenge to meet.

THE VALUE OF VIDEO

Solution

Currently, over 400 cameras on more than 50 sites are up and running on only nine servers with a SAN archive solution. The distributed system is governed by NETAVIS Observer, the professional, IP- based video management platform with integrated video analytics.

In case of an emergency in the central station PTZ- camera adjustment is triggered automatically, due to a Commend integration. Full screen streams of the scenes pop up in the control room.

Unaware drivers easily block the tramway by carelessly parking on a narrow street in the city centre of Linz. By means of only one IP video camera with bird's eye view the powerful video analytics module NETAVIS iCAT causes an alarm tone if this is the case. The conductors slow down the approach immediately and smoothly. This way, most passengers don't even realize the short traffic disturbance.

At the sanitation premises an automatic number plate recognition and access management was realized with the NETAVIS video analytics module CarReader. Authorized vehicles trigger the gates to open automatically now, whereas employees only have to check the gate in case an unknown vehicle is waiting outside.

Many other business units benefit from the platform as well. Solutions are tailored with individual functionalities depending on the given situation, interfaces to Commend Emergency Services, alarm systems and other third party applications are realised.

Benefit

LINZ AG now has a future proof IP-video surveillance solution with professional video analytics in a distributed network. Its user rights management provides the capacity to map exactly the organisations business units. Due to the high scalability various requirements and very complex problems can be solved with little effort and cameras as well as sites can be integrated easily in the future.

SECTOR:	Utility and Infrastructure
LOCATION:	Linz, Austria
SOFTWARE VERSION:	NETAVIS Observer 4, Enterprise Edition
SPECIAL FEATURES:	SNAP XML Interface, iCAT Video Analytics, Number Plate Recognition CarReader
TECHNICAL DETAILS:	Currently 412 cameras and 71 users Distributed network at more than 50 sites