![netavis]

City Vienna – Wiener Wohnen

Vienna's community housing wants a safe surrounding within its community residence areas. With the software platform NETAVIS Observer 4 this was successfully realized.

"With video surveillance we succeeded to reduce damage of property, theft, and therefore associated costs, and resentment for our residents."

DR. MICHAEL LUDWIG
MUNICIPAL COUNCILLOR HOUSING
CITY VIENNA

Challenge

With 220.000 apartments, 6.000 business premises and 47.000 garage and parking lots the city council itself is Europe's biggest lessor. Wiener Wohnen manages, maintains and cultivates these estates and thus provides affordable housing for more than 500.000 residents.

Within the last years vandalism and theft increased in several residence areas. Wiener Wohnen wants to avoid damage of property effectively, save reconditioning cost, and increase sense of security for residents. Equally important is the preserving of sensitive personal privacy for all residents and of course to serve the high commitment of Wiener Wohnen to meet all obligations of secrecy.

High number of cameras, large amounts of data and further stages of expansion call for a robust, open and scalable solution able to fulfil all these requirements in a user friendly way.

Solution

More than 3.000 IP cameras at 22 sites installed as WAN mainly survey garages, waste collection places, and elevators but not doors of flats or main entrances.

At the security command centre of A1 encrypted recordings are saved 72 hours and automatically deleted afterwards. In case of damage or other alarms relevant recordings will be sent to Wiener Wohnen. High resolution video material can be provided to police for further evaluation only on enquiry.

The big and complex installation is governed by NETAVIS Observer, a professional IP based platform for video management with integrated video analytics module iCAT.
The software is known for high compliance, best-in-class performance and unrivalled adaptability for customer requirements. Seamlessly, Observer 4 integrates into existing IT infrastructure of the security command centre and utilises hardware up to 30 % more efficiently than comparable software. Due to its performance the platform is future-proof far in excess of already planned project stages.

Benefit

The special feature dual-stream motion detection uses one high resolution video stream (e.g. H.264) per camera for 72 hours archive saving and in case of emergency for investigation. At the same time a second video stream with low resolution is used for real time video analytics by NETAVIS iCAT. Thus, thousands of cameras can be processed with very little server processing power.

Both camera-server and server-client connections are encrypted, access to likewise encrypted archive it only allowed by dual control principle.

Already during the operating trials, the installation showed positive results. Damage of property cases and associated reconditioning costs declined over 50 %. This again confirms the strong preventive effect of video surveillance.

SECTOR:	Public sector
LOCATION:	Vienna, Austria
SOFTWARE VERSION:	NETAVIS Observer 4, Enterprise Edition
SPECIAL FEATURES:	Dual-stream video analytics Archive Encryption
TECHNICAL DETAILS:	Central installation at security command centre; Currently 3.100 IP-cameras; Scalable up to 5.000 cameras and more