

## City Vienna - Wiener Wohnen

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

**Sector:**  
Public sector

**Location:**  
Vienna, Austria

**Software Version:**  
NETAVIS Observer 4, Enterprise Edition

**Special Features:**  
Dual-stream video analytics  
Encryption

**Technical Details:**  
Central installation at  
security command centre  
Currently 2.800 SONY IP-cameras  
Scalable up to 5.000 cameras and more

*„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 achievable 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 re-conditioning 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 mounds 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

About 2.800 IP cameras at 22 sites installed as WAN mainly survey waste collection places, garages, 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 it's 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 Observer 4 iCAT. Thus, thousands of cameras can be processed with relatively 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 operating trials showed positive results. Damage of property cases and associated reconditioning costs declined over 50 %. This again confirms the strong preventive effect of video surveillance.