

**Work**

Private Residence Zone Camil I uccia - Rome

owner

Private

Year

2006

Project

Home automation, Entertainment Audio, Video, Data & Digital video surveil l ance system, smart l ight (intel l igent l ighting) based on Konnex and dal i technology and energy management aimed at optimizing the energy savings

Designer

Ing Andrea De Martino

Services and Systems Engineering Sol utions

Supply, Instal l ation, Programming and Testing:

Home automation, Video communication, El ectro acoustic system, Digital Video Surveil l ance system, Networking equipment, smart l ight (intel l igent l ighting) based on Konnex and dal i technology and energy management aimed at optimizing the energy savings.

Architectural Design

Cesare Rovatti Simona Fabbrizzi Formil i,
El ena Kiril ov, Fabrizio Tal ento

Interior Designer

Carmel a Vigl iotti

Systems and Services Analysis**Video communication**

Professional Plasma Screens hantarex 50 "65", 42 "
Professional LCD Monitors hantarex 22 "Combi
DVD Recorder
Digital decoder
digital terrestrial decoder
BS Distribution

Control devices

DELL PC Mediacenter
Control server Martin Merten
Nevo Universal ir Interface
Professional Rack extraction and rotation unit 42
UPS 5000 va

El ectro acoustic

Ampl ification System: Onkyo ampl ifier
Loudspeakers: Tannoy, Sound Advance, Soundtube

l ocal and remote video surveil l ance over IP

Local and remote video server system
in-out door IR Cameras for video surveil l ance

networking

Avaya digital networking

smart l ight

zumtobel , martin



The project united the requirements of the lady of the house with functionality, leaving the elegance of the furnishing and of the innumerable works of art exhibited inside it intact.

The customer wanted to give the structure and furnishing the simplicity and imagination that are its main characteristics, creating a place that has ties with history but looks towards the future. As always in the fashionable world, the proprietor brings together in realising this project her conception of "art of inhabiting", maintaining that "it is impossible to learn the art of actually living without using real materials". Hence the choice to use latest generation technology for her residence. In the residential zone of via della camilluccia stands the villa that reflects the customer's Italian personality: the obvious contrast between the architecture of metal and glass with match the light colours and the elegance of the choice of the internal finishing touches; blending contemporary architecture with antique pieces from different periods is what makes this villa individual. The residence is characterized by a carefully planned and integrated project of House Automation based on protocol KNX and TCIP. It employs Technologies of control command and communication that, in a change from traditional equipment, allow the perfect integration of widely diverse systems; we are talking about systems for audio and video broadcasting, video surveillance, lighting and heating, to give a few examples. The use of Konnex was chosen with an eye to caring for the environment, intelligently monitoring and managing the energy usage of the residence (for example programming the switching off of some functions to keep within the usage limits set by the regulations of the area; ensuring that the maximum agreed air conditioning settings were not overridden in summer and winter. The utilization of technologies across "User Friendly" interfaces offers the advantage of being easily understood and used whatever the type of customer. For this residence, where the walls are almost entirely composed of glass slabs, the choice of keyboards and touch screen has very often centred on wireless technology.

The choice of the video equipment is the Italian brand Hantarex LCD technology which guarantees high quality materials like crystal and the elegance of the designs which forms a happy union with the functional personality and aesthetic sense of the person who lives with it, combined with luxury and Italian design. Sonos audio streaming allows the sound transmissions of broadcasting to all of the rooms of the residence with a wireless system that can be managed beyond its control panel, and even remotely, from a simple iPhone.

regarding the functionality and aesthetics described above, sound transmissions are broadcast from hidden speakers which creates an environment in which the equipment is completely concealed. The video surveillance and anti intruder equipment is accessible from every television screen throughout the residence, while music and film are memorized and managed by a multiroom system which is able to distribute different services to different environments simultaneously.

The Purpose of the home automation is to make staying at home more agreeable, and staying away from home easier, thanks to the possibility of monitoring the residence from a distance, with the security that our walls come protected with sophisticated anti intruder equipment. The heart of the domotics and entertainment equipment consists of an articulated system of PC servers lodged in a armoured vault under the residence.

The planning and accomplishment of an lighting technology architecture with dynamic light was an important part of the project that allowed unique lighting backgrounds, which the skylights that thanks to the insertion of special bright bars, light inside the locations with luminous rays to reproduce different intensities of daylight even at night.