

Netgenium & Wavestore

An intelligent building solution with instant visual verification



Access Control and IP controlled audio communication and lighting working in harmony with Wavestore to provide intelligent building management and security solutions.

End-users can now take advantage of benefits derived from the interaction of Wavestore's video management software and Netgenium's IP network based access control, intelligent audio and lighting control solutions.

Netgenium Systems is a UK manufacturer of IP Power over Ethernet hardware products. It can claim to have launched in 2004 the world's first IP PoE Lock Controller that could also power the electronic door release from a single PoE port. This was developed as a response to the demand from the education sector but the company rapidly expanded its product portfolio to include Intelligent Audio, (IP PoE Speakers) and Intelligent Lighting (IP PoE LED Lights), as well as PoE Power Controllers, with all powered from standard commercially available Ethernet PoE products.

In addition to establishing a technology partnership with Wavestore, Netgenium has formed other strategically important alliances with a long list of camera manufacturers, including Axis, Arecont and Mobotix and IP Telephony companies such as Cisco and Mitel.

The Solution

Wavestore is regularly being specified for projects where the client is looking for a video management system that can

facilitate the integration of a wide range of systems to provide a safe, secure, 'green' and operationally efficient environment. Working alongside IP convergence specialists Netgenium on these types of projects, Wavestore is able to offer a seamless integrated network solution which delivers so much more than what might normally be expected from a video surveillance system.

The integration of the Wavestore VMS with Netgenium IP network based hardware, enables the two manufactures to collectively offer an Intelligent Building solution which provides end-users with instant visual verification of any activity and puts them firmly in control over the network of what the response should be when specific events occur or alarms are generated.

From a Wavestore viewing station and operator console, for example, it is possible to open and close doors, turn on lights and talk to speakers anywhere in the world, providing they are connected through the secure IP network.

“ The integration of Wavstore’s VMS with Netgenium IP network based hardware provides end-users with instant visual verification of any activity ”

The Applications

Examples of environments where Wavstore and Netgenium when working together can offer end-users achieve so much more from their investment in a video surveillance system include:

Retail – In large retail environments, such as department stores or car parking areas, control room operators can adjust lighting levels and open up a bi-directional audio channel to communicate with customers or individuals. At the same time they can simultaneously view live and pre recorded images of the area where the activity is taking place via the Wavstore video recording and management solution.

Wavstore’s VMS can also interact with Netgenium’s access control solution to monitor and control entry to restricted areas such as staff lockers, operations and stock rooms.

Transportation – Airports, ports, bus and train stations. Indeed anywhere the safety and security of the public is of paramount importance. Wavstore and Netgenium working together can assist operators to visually verify exactly what occurred when an incident or emergency is reported, whilst remotely providing audio guidance to those present.

Education – It is simple to install IP PoE speakers throughout a campus using a network infrastructure. No amplifying equipment is required, just the provision of PoE at each of the speaker locations and with both Wavstore and Netgenium operating over the network, operators can take full advantage of the interaction that is achieved between the two solutions which can include visually verifying the identities of students, teaching staff, contractors and visitors. In student accommodation blocks, images from security cameras monitoring common areas such as corridors and shared kitchen facilities, can incorporate motion detection to minimise energy costs by ensuring that lighting is only on when there are students present.



Commenting on the partnership established with Wavstore, Glenn Fletcher, Sales & Marketing Director for Netgenium Systems said: “The global market, which includes end-users, consultants and resellers alike, is seeking out converged solutions to work with. These installations add great value to a business’s operational process, staff safety and customer experience. With Wavstore offering video verification which interacts with our Access Control, Audio and Lighting solutions using IP and Powered over the Ethernet cabling system, it is another step forward in making buildings truly intelligent. Netgenium is therefore proud to be a partner of Wavstore.”

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