

Ernitec Surveillance System at Nokia Denmark

Nokia

In May 1996 one of the world market leaders within mobile telecommunication, Nokia Denmark, moved into their newly built headquarters in Copenhagen. From the very begin-



The Nokia logo on the backside of the building

ning the area around the building has been monitored by surveillance equipment from Ernitec. Within the Nokia Group, guidelines have been laid down as for which departments should have surveillance systems installed, and as Nokia headquarters in Copenhagen is at the highest level of security, it is required that the surrounding area is monitored.

Own Security Department

Besides a surveillance system, Nokia's headquarters now also have their own security department, which is manned 24 hours a day. Nokia is the only company in this industrial part of Copenhagen that has a 24 hours



The control room at Nokia headquarters

manned guardroom, and while many of the other companies have had several attempts of burglary, Nokia have only had one since May 1996! As Mr. Ole Stehr and Mr. Meik Christensen from the security department at Nokia say; "We believe that the surveillance system and our 24 hours manned guardroom have had a de-

terrent effect on attempts of burglary and vandalism".

Suppliers

The video surveillance system at Nokia has been designed and delivered by the Danish company Dansikring part of the Securitas Group and by the Danish branch of Philips Project.

Remote Sites

The surveillance system at Nokia is made in a so-called master slave configuration. The Ernitec matrix system has been used in this configuration, as this is an ideal matrix to use when you want to control more remote sites from one central control room. At the Nokia headquarters in Copenhagen, an Ernitec matrix is



Nokia headquarters, the front of the building

installed as the master. This matrix is controlling several remote sites in Denmark, e.g. the Nokia site in the Danish city Aalborg, 300 km from Copenhagen. This site is connected to the master system via a video transmission system using ISDN network. Other sites are connected via Ernitec series 225 twisted pair equipment, Ernitec series 250/275 fibre equipment, LAN (Local Area Network) or WAN (World Area Network).

Video Motion Detection

At Nokia the demands for what should be monitored and detected differ depending on whether it is daytime or nighttime. Currently, 90 cameras monitor the Nokia areas; 30 of these are dome cameras and the rest are fixed cameras used together with a video motion detector. Several of the video signals are transmitted via twisted pair cable. The Ernitec matrix system is integrated with the

video motion detectors. By using the advanced macro functions of the



Ernitec housings and domes on the side/corner of the building.

matrix, the security officers can easily shift the video motion detection cameras from day to night settings.

Graphic User Interface

In order to make the operation of the surveillance system simple, the Ernitec GUI, SiteControl, has been installed. This means that the guards can easily and quickly operate the system via graphic drawings of the buildings on a PC monitor.

The Future

Nokia's surveillance system is being developed concurrently with the expansion of Nokia Denmark. In the future the Ernitec master matrix will control even more remote sites and



Nokia headquarters, seaside of the building

within a few years the system will be expanded with another 60 cameras. In order to improve the working environment in the central control room, the security department has decided to limit the number of monitors to only a few. This will make it easier for the guards to watch the system and will also reduce the heat level emitted from the monitors.