

REDI shopping mall, Helsinki



Panasonic fire alarm solutions for complex REDI shopping mall building system

The large REDI shopping mall in Helsinki has relied on Panasonic fire alarm solutions for its complex building system, which requires a highly reliable and flexible fire alarm system that easily integrates with other systems.

REDI shopping mall in Helsinki is a very complex building system with a large shopping mall and in total 8 office and apartment towers, when the project is fully completed in 2028. It has in total 63.500 m² rentable space, 175 stores, 40 restaurants and cafes over five

floors. To add further complexity to the building, there are 4 integrated parking floors with space for almost 2.000 cars, a metro station and a highway running through the building.



Background

In such a complex building system with very different activities and environments and with tens of thousands of people passing every day, there are enormous requirements on the fire detection system. Apart from the obvious requirement of an absolute minimum of false alarms and high flexibility when the stores are expanded or changed, it also needs to be easy to integrate with other systems.

Panasonic fire alarm solution

- › 29 EBL512 G3 Control units in a network
- › 38 expansion boards
- › More than 7.500 smoke and multi detectors with AI technology for minimized risk for unwanted alarms
- › More than 750 detection zones
- › Optical fiber linear heat detection
- › Control of:
 - › Voice evacuation system
 - › Fire doors and curtains
 - › Natural gas supply valve
 - › Vacuum waste collection system
 - › Elevators
 - › Escalators
 - › Doors of the driving tunnel
 - › Fire ventilation system

- › Panasonic fire alarm system is also connected with the building automation system and access control systems with EBLGraphics presentation system.

CONCLUSION

In large scale facilities with complex buildings with different usage and a high amount of visitors, only products of the highest reliability and quality can be considered. In a living building complex like REDI it is absolutely necessary that the system can be expanded, updated and maintained in a cost effective way. For REDI, the life cycle costs of the system were a crucial factor when the selection for Panasonic fire alarm system was made.