Case study / Panasonic Fire & Security Europe AB

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Helsinki Olympic Stadium

Images source: www.stadion.fi

Upgrading of Helsinki Olympic Stadium's fire alarm system

Panasonic has helped to bring the historic stadium's fire safety system up to the highest standards during its latest major renovation.

The iconic olympic stadium was built for the 1952 Olympic games in Helsinki and has since then also been hosting countless major sports events as well as large concert arrangements. In 2017 started a comprehensive modernisation of the historic venue, which also included the safety systems. During a three-year period, great challenges were overcome and an international event arena of the highest international standard with world class safety systems was achieved.

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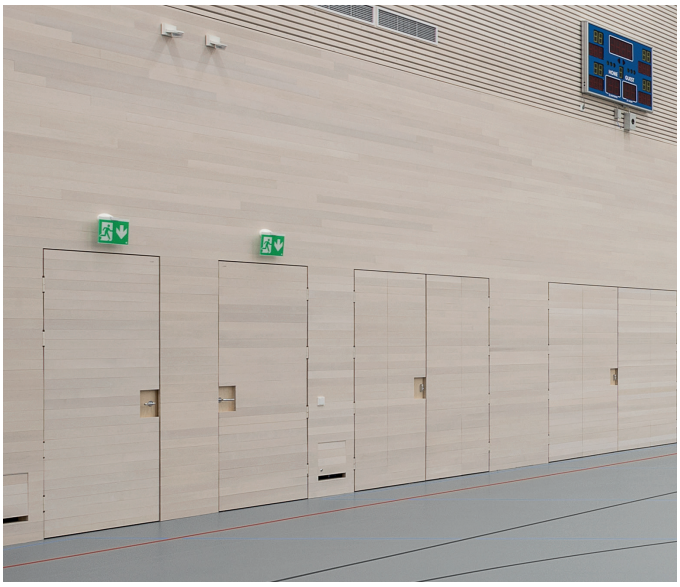
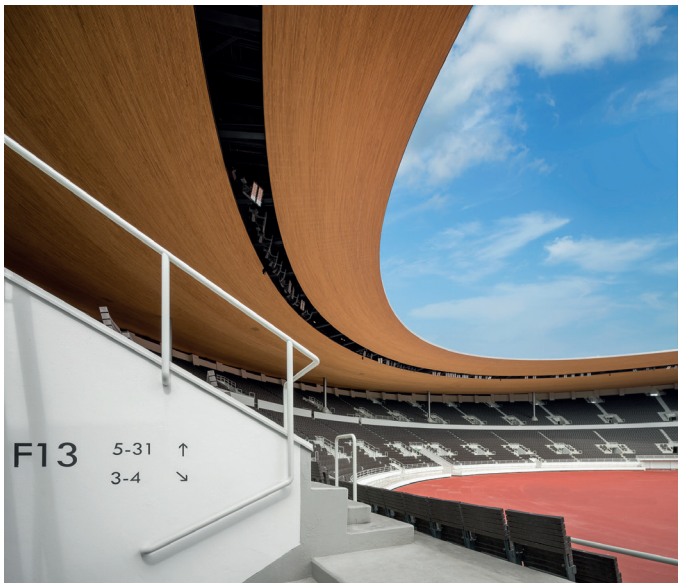
Challenges

The comprehensive renovation transformed the stadium into an event arena of world-class standards, with the addition of underground facilities for athletes and plenty of covered seats, among other demands. The authorities had to draw up extensive fire safety, rescue and evacuation plans, taking all the renovations into consideration and involving numerous contractors.





Solution

The fire alarm system for this venue is top modern and includes an optimal combination of different detection technologies:

- 14 EBL512 G3 Control Panels and several distributed Display units.
- EBLGraphic system.
- More than 3.000 smoke and multi detectors.
- Several addressable aspirating systems.
- Over 100 flame detectors and 4 km of optical fiber detection.

Additional parts of the safety system, such as extinguishing system, voice evacuation, fire doors and elevators are controlled directly by the Panasonic fire alarm system via hundreds of I/O control modules.

CONCLUSION

Panasonic's extremely high reliability and the system's high capacity for very smooth and easy integration with all types of complementing components and systems makes EBL the ideal solution for complex challengues like the Helsinki Olympic Stadium. Here, it was not only crucial to save lives, but also to reduce property damage from fires because of its high cultural and historical value.