

Case Study

Opera House, Copenhagen

Summary

With the installation of Univox Super Loop Systems the Opera House in Copenhagen can offer hearing impaired visitors high class accessibility with perfect reception at every seat.

Challenge

It was vital to overcome the reinforced concrete and steel constructions in the building in order to achieve correct field strength and frequency response. To enlarge the orchestra space, the front floor area can be lowered in two steps. All 1,800 seats had to comply with the IEC standard.

Solution

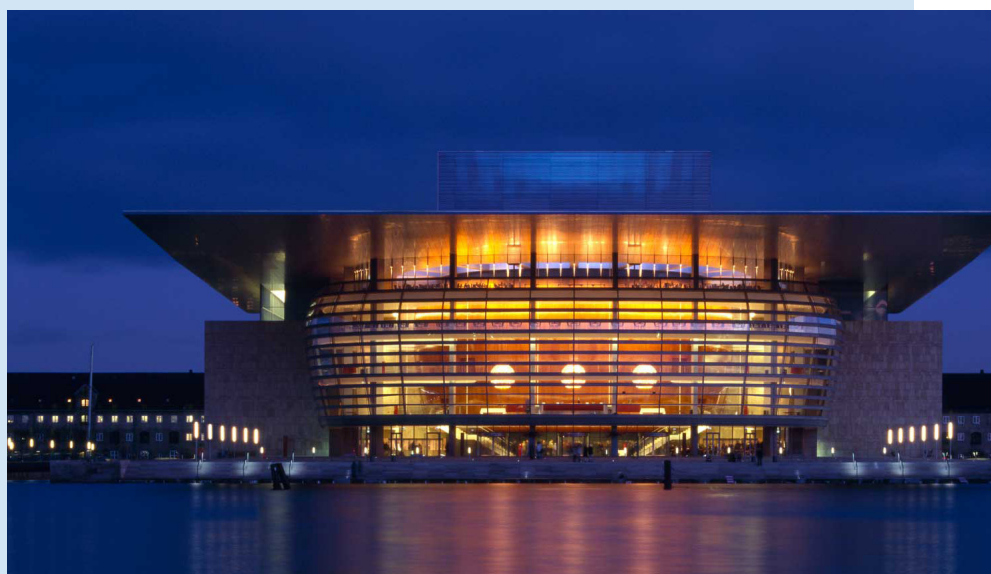
In the main stage 4 low overspill SLS amplifiers were installed in a specially designed configuration. SLS systems are much less sensitive to the influence of metal and maintain a more stable field strength and frequency response. The loop system switches automatically on/off whenever the size of the orchestra space is changed.

The small stage *Takkelloftet* is a black box stage for experimental performances which offers 200 seats, depending on the type of performance. As many different individual stage designs were to be used, the design of the loop wire system had to be flexible. For an audience on floor level one design is used and for an audience in terraced seating a different.

Bar and box office is equipped with Cross the Counter loop systems.

The scope of the project included loop system design, quality assurance, installation of loop wires and amplifiers and final measurement and certification according to the IEC 60118-4 standard.

Though the project was completed in 2005, the installer keeps a close contact with the Royal Theatre staff to maintain a top quality system.



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Conclusion

A carefully designed loop solution has brought new possibilities for hearing impaired opera fans to enjoy both music and libretto. Many visitors have expressed their good experiences and the overall feedback has been very positive.

Products used

Univox® SLS-300 Super Loop System

Univox® PLS-100 Professional Loop System

Univox® PLS-300 Professional Loop System

Univox® CTC-121 Cross the Counter System

Responsible company in Denmark

Dansk Høreteknik A/S, Ølstykke



Univox by edin, the world's leading expert and producer of high quality hearing loop systems, created the very first true loop amplifier 1969. Ever since our mission is to serve the hearing community with the highest degree of service and performance with strong focus on Research and Development for new technical solutions.