

Case Study

Landtag Brandenburg,
Germany



Summary

In the new parliament building Landtag Brandenburg in Potsdam just south of Berlin, the Chamber as well as 11 meeting rooms were equipped with Univox SLS loops to comply with the barrier-free demands in the project.

Challenge

Especially the Chamber posed a real challenge to both planner and installer due to its circular-shaped sloping gallery in four wide steps. Both deputy and presidium areas were to be covered completely as well as the visitor balcony. Several of the meeting rooms were also placed adjacent to each other with the absolute demand for overspill control.

Solution

Due to the metal environment and the demand for overspill control, nothing else but SLS loops was possible. The deputy area in the Chamber was covered by a SLS-700 system and the much smaller presidium area with a SLS-100 XF system. In the visitor balcony a perimeter loop was sufficient.

The 11 meeting rooms, including the special press conference room, were all covered with in all 18 SLS-100 XF systems. While planning the loop layouts, special concern was taken to reach a high degree of overspill control by carefully designing loop segment sizes and directions as well as the distances to adjacent loop equipped rooms.



Photo: Christiane Bangert / Professional System

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Conclusion

After thorough planning and installation, all systems were measured and certified, complying with the IEC 60118-4 performance standard. As a special feature a second SLS-700 system was installed in the deputy area in the Chamber and connected as a redundancy system to guarantee a proper function for the deputies who rely on their hearing aids.

The consequent use of SLS systems facilitated the simultaneous use of the loop systems in all meeting rooms as well as resulted in an evenly distributed magnetic field strength in the large deputy area in the Chamber, in spite of all the metal in the gallery.

Products used

Univox® SLS-100 XF Super Loop System®

Univox® SLS-700 Super Loop System®

Univox® PLS-100 Professional Loop System

Project team in Germany

Sales and project control: Audio Pro Heilbronn

Planning: Graner+Partner Ingenieure

Installation and certification: Elektroakustik
Neuenhagen GmbH



Photo: R. Hirschberger (Quelle: dpa)

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 has been to serve the hard of hearing community with the highest degree of service and performance with a strong focus on Research and Development for new technical solutions.