

Case study

SAP Arena triumphs with VIP video wall install



To mark its 10th anniversary, Germany's SAP Arena has upgraded the VIP area of its multi-purpose venue with innovative display technology from NEC. UL safety tested, full-service mounting solutions from Peerless-AV were used to achieve optimal screen placement and a considerable reduction in installation time.

With up to 15,000 seats, the SAP Arena is not only Baden-Wuerttemberg's largest multi-purpose venue, but also one of the most modern sports and event arenas in Europe. As well as hosting the home matches of ice hockey club Adler Mannheim and the handball games of Rhein-Neckar Loewen, many other sporting events take place in the arena such as basketball, wrestling, concerts and TV events. An average 403,000 square metres of space is available for more than 100 events a year.

The SAP Arena celebrated its 10th birthday in September 2015. During the three-month summer break, different areas of the venue were rebuilt and modernised, and a new high impact video wall with 8x3 displays was built in the VIP hospitality reception area to welcome guests. Responsible for the installation was Düsseldorf-based media technology specialist Goertz Media GmbH.

“Installing large and frameless displays to achieve maximum impact in their environment can be a challenge”, explained Martin Goertz, CEO of Goertz Media GmbH, “but this challenge can be met. Mounting solutions are an integral part and should be absolutely safe and as easy as possible to install.”

In addition to safety and simplified installation, Goertz also placed great emphasis on the durability of the mounts and their serviceability. "At first glance, there seemed to be no major differentiators between display mounts, but over time we've found out that it is always worth having a closer look at the options available," said Martin Goertz. "With digital signage projects – and we are very involved in the areas retail and store design – quality and service are extremely important criteria - this also applies to the mounts."

At the SAP Arena, Goertz installed 24 x MultiSync X464UNV NEC displays in a recess behind the VIP help desk. In order to set these displays perfectly in scene, Goertz chose DS-VW765-LQR Full-service Quick Release Video Wall Mounts from Peerless-AV. Part of the award winning Full-service Video Wall Mount series, the mounts support flat panel displays up to 65" and are ideal for recessed applications such as this.

Video walls without limits

Using Peerless-AV video wall mounts, every conceivable video wall configuration can be assembled with ease. Fine adjustments by hand in eight places allow seamless alignment of the screens. Regardless of whether a single display is used in portrait or landscape mode, or as an element of a larger video wall, the intuitive eight-point micro adjustment always ensures that each screen can be quickly and optimally aligned with its surroundings or the display beside it.

"This micro-adjustment feature was an important criterion when selecting the mounting solution," said Martin Goertz, "because even the slightest misalignment between the individual displays can destroy an impeccable image impression. An additional key factor for installers is also the duration of the on-site assembly, because time savings during installation may affect the project substantially - with regard to the planning of the projects as well as to the timely completion. In selecting the mounts for video walls we need to pay attention not only to the fact that they are suitable for the intended use, but also whether they are equipped with necessary adjustment tools that allow smaller alignment problems to be solved."

Quick release mechanism for easy service access

With large format screens, the major challenge is that they are difficult to handle and maintain, requiring several technicians. In addition, the chance of damaging such video wall displays during removal from the wall and re-attaching can be high. This problem can be avoided using the quick-release mechanism on Peerless-AV's DS-VW765-LQR, which gives technicians the ability to take the display from the wall by gently pressing on the front of the display. The necessary traction for the release can be adjusted so that the weight of the display is taken into account. "This way you can easily have access to the back side of the display for maintenance without having to remove it from the wall," explains Martin Goertz.

Complete multi-screen video installation from a single source

In addition to the NEC displays and mounts from Peerless-AV, Goertz is also responsible for the technology used for feeding content to the displays. At the SAP Arena, Goertz installed a Picturall Octo media server, which can play content to all displays in full resolution and also show 32 layers simultaneously. At the same time, specific displays can be chosen to work independently of each other. Every conceivable display arrangement can be realised. Peerless-AV modular video wall

mounts also support unlimited display configurations for applications where installers and integrators want to bring more creativity with the arrangement of their video walls.

In addition to product sales, project planning and installation services, Goertz Media GmbH combine trade with rental. In case of damage, the company can quickly assist with rental technology so that, for example, a planned event can take place without disruption.

[Click here](#) to view a video of the SAP Arena video wall installation.

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