Navigational challenges in the studio

Camerobot solution assists WDR's camera operators at on-air camera moves in the virtual studio in Cologne.

To find the exact same position in each show, the positions have been marked on the ground. This becomes confusing when the number of marked shots increases.

Since not only the camera positions but also the moves are important, moving the camera becomes even more challenging.

To repeat a shot, the camera operator needs to estimate the camera position based on the shot's thumbnail and a printed studio map, move the pedestal and then correct the position, which is hard to do in a virtual studio without orientation marks.

To solve this issue, WDR decided to use Camerobot's solution which fits their needs exactly.

Customer:
WDR Westdeutscher Rundfunk Köln/Germany www.wdr.de

Installation: August 2014

More case studies? Please visit www.camerobot.com
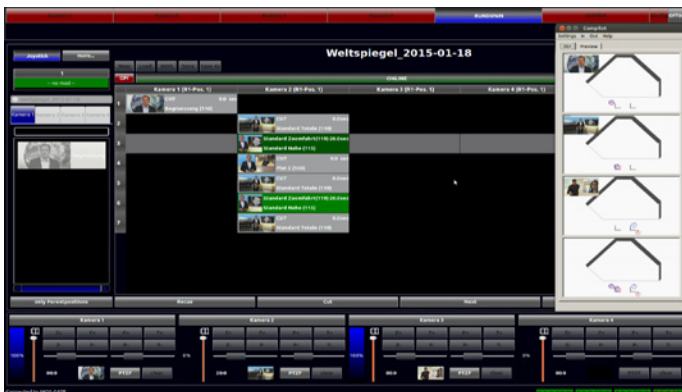
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Camerobot solution:

Campilot faces the challenges

WDR now uses Campilot as an innovative solution. It works like a navigation system in studio, giving the camera operator a direct visual feedback about the current position of the camera and the demanded camera position in the studio. The live camera position data from external sources like VR-capable pedestals or other camera tracking systems can easily be integrated into Campilot.

The new Campilot is installed on a workstation, which offers 4 channels of HD-SDI signal. It separates the planning and the broadcast phase. The planning work, create/modify operations of positions and moves are centralized on the workstation. The camera operator concentrates on the camera position on the studio map during the show.

Campilot contains Robokam Atelier, which is Camerobot's user interface software for studio robotic systems. Robokam Atelier provides the support for different studio automation systems. It enables the user to create and modify positions and moves. Using Campilot, all different positions and moves of each camera in a show can be planned, tested and saved beforehand, without worry of how to find it again during the show. This has great benefits for WDR's workflow.

Technical specifications

- 4 x HD-SDI outputs for creating four Camera 2D overviews.
- 4 x HD-SDI inputs for creating thumbnails
- 4 x serial inputs for receiving the VR positions of the four cameras
- 1 x GPI input for triggering the rundown
- 1 x software trigger for triggering the matrix

The Show is planned in RoboKam Atelier's „Rundown", sent to Campilot On Air and therefore performed with constant good performance.

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