



CASE STUDY

Camerobot replaces camera crane

More freedom for dynamic and vivid camera moves in Norway's modern news shows

Norway's television public broadcasting company NRK had been looking for a new opportunity to have a more dynamic camera picture for their daily news shows, that broadcast from the NRK studio 5 in Oslo. The goal was to have an automated solution that can be controlled in a comfortable way from the studio's direction and that is able to perform highly precise moves with minimal programming effort.

Together with Camerobot Systems, NRK found the solution to match their needs. The Camerobot for the NRK studio 5 has been integrated seamlessly into the existing studio automation architecture. With its high flexibility and workspace, the robot is more than capable of competing with the camera crane that has been replaced by the Camerobot system.

More case studies? Please visit www.camerobot.com

Customer:
NRK studio 5
Oslo/Norway
www.nrk.no

Installation: 2013



Creative Robotic Motion

With its freedom of movement, the robot can reach nearly limitless positions with completely new camera angles.



Camerobot solution:

Seamless integration for high flexibility

To have repeatable moves that can be recognized as a “trademark” for more dynamic news shows, the robot has been installed into the studio together with Camerobot Systems.

Because there are already automated pan-tilt units in the studio it was necessary to fully integrate the system into the existing infrastructure. The robot can now be controlled by using the available Vinten Radamec joystick consoles that the operators are used to. To have further integration into the studio, an interface for MosART

newscast automation system has been created that allows the user to trigger prior saved moves. The creation of these moves is easier than ever before by using the RoboKam Atelier Graphical User Interface that gives full control of the robot – saving positions, creating and improving moves and launching these moves can be done by using the intuitive GUI on a touch screen. Positions do not only relate to the robot’s 6 axis but also to the Canon lens with its focus and zoom – all is saved with one touch!

To gain the maximum flexibility the whole robot system can be moved with an air cushion system that allows the user to manually move the robot on its pedestal without a single scratch to the glass tiles underneath.

A noise protection cover, a LCD mount for a teleprompter, integration of the camera lens into the robot kinematic, easy and intuitive control and move creation – a complete solution for the studio.



Technical specifications

- Repeatability of 0.05 mm for positions and moves
- Operating area 4 m
- Max. height of the camera at approx. 3 m
- Full integration of remote control for the Canon lens on the camera
- Mobile pedestal with air cushion system to move the pedestal in the studio
- Noise protection cover for live-broadcasting while the robot is moving
- Fully integrated to MosART newscast automation
- Advanced collision avoidance
- Support for customers teleprompter monitor directly above the camera

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