The solution of choice at Swiss Television

tpc ag - Swiss Radio and Television Studios

SRF

tpc BROADCAST AND BEYOND

> **"As the tpc ag counts on modern, innovative technology, we were the first to use Neutrik's opticamSWITCH. And we didn't regret it."**
>
> **Gerard Koch, project director video technology, tpc ag**
> **www.tpcag.ch**

Who?	technology and production center switzerland ag, Zürich, Switzerland
Where?	SRF Swiss Radio and Television Studios in Zurich, Switzerland
What?	7 studios, 4 control rooms, 48 camera positions, 40 CCUs (camera control unit)
	8 opticamSWITCH, 10 Z-panels for backup, 80 NO2-4FDW-A, 77 opticalCON / Wieland Breakout cables, 77 opticalCON terminations
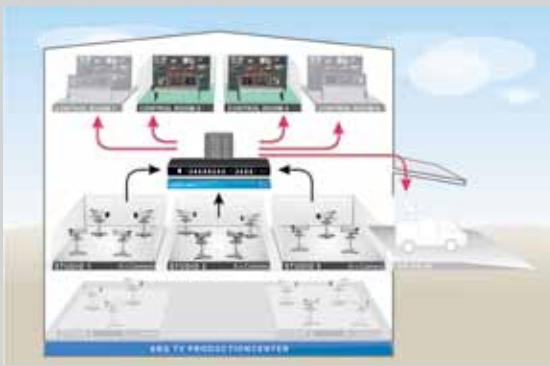
The Story

Swiss Television carefully considered how best to deploy its existing HD and 3D equipment within an expansion of its studio infrastructure. tpc ag considered various new ideas and opted for a future-proof concept. Furthermore, as they come online, two planned new control rooms and studios will be easily integrated into the system. Neutrik's opticamSWITCH flexibly connects tpc ag's existing cameras and control rooms to one other. Thus utilization, efficiency, and higher capacity utilization of the equipment would be guaranteed.

The increase in efficiency provided by the opticamSWITCH – with significant reduction of potential errors – led tpc to employ the opticamSWITCH concept in its "BigSwitch" project. After some trial and smaller productions, the system was put into use on a grand scale at the live production "Decision 11 – Swiss National Council elections."

NEUTRIK®

Smooth opticamSWITCH Installation

TVBS Broadcast Television, Taiwan

"The installation of the opticamSWITCH at TVBS proved to be another successful project for Neutrik!"

Brahms Lee, Neutrik Hong Kong Ltd.
www.neutrik.com

Who?	Taisheng Trading Corporation and TVBS
Where?	TVBS Broadcast Television, Taipei, Taiwan
What?	4 studios, 4 control rooms, 17 camera positions, 17 CCUs (camera control unit), 4 opticamSWITCH

The Story

The installation of the opticamSWITCH at TVBS (Broadcast Television, Taiwan) went quite easily as all the inputs and outputs of the switch had already been installed and wired up before the installation team arrived at Taipei. The bigger problem was to get into the TVBS studios. The installation team was not allowed to interfere with TVBS operations during normal broadcast hours. This meant coming back at 1 AM with a window until 5 AM, both Wednesday and Thursday nights. After installing software and testing the fiber system, it all worked well. The following day, an opticamSWITCH software introduction for to the engineering and operational staff took place. As the software is pretty simple and straightforward to use, the class went very well. By the following day, a fully functionally opticamSWITCH setup was ready for a broadcast day.
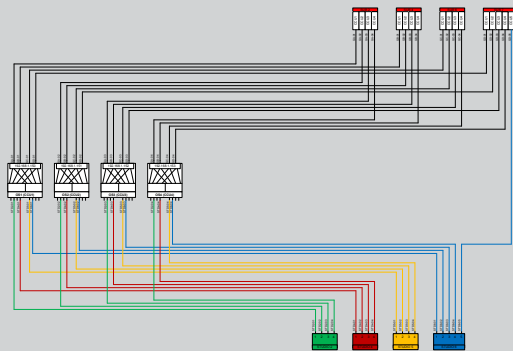
NEUTRIK®

No loops at RSI in Lugano any more

RSI Radiotelevisione Svizzera

RSI Radiotelevisione Svizzera

"A very good project and excellent teamwork of Neutrik and BFE."

Christian Ganahl, Director Product Management, Neutrik AG
www.neutrik.com

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Who?	BFE, Mainz, Germany
Where?	RSI Radiotelevisione Svizzera, Lugano, Switzerland
What?	5 studios, 4 control rooms, 40 camera positions, 40 CCUs (camera control unit)
	7 opticamSWITCH, 9 Z-panels for backup, 72 NO2-4FDW-A, 60 opticalCON / Wieland Breakout cables

The Story

After the very successful opticamSWITCH integration at Swiss television in 2011, the enterprise unit in Italian-speaking Switzerland in Lugano, RSI (Radiotelevisione Svizzera), updated its studio routing with Neutrik's camera switch as well.

The latest fiber optic technology now connects the cameras of 4 studios with 2 control rooms. Further extensions are possible. For this Neutrik delivered 7 opticamSWITCHes as well as the whole fiber optic infrastructure to Lugano. A big challenge posed was the first combined integration of the opticamSWITCH and BFE's KSC Commander. The KSC Commander is a universal broadcast control system which gives the user a standardized, manufacturer-independent user interface for a variety of systems. After initial problems were resolved, the system was working and stable for the final inspection on June 18, 2013. The studios went live in September 2013. Now all cameras from any studio can be switched to every control room at the push of a button.

Thanks to the excellent teamwork of the Neutrik and BFE employees onsite as well as the good collaboration with the customer RSI another challenging project could be realized.

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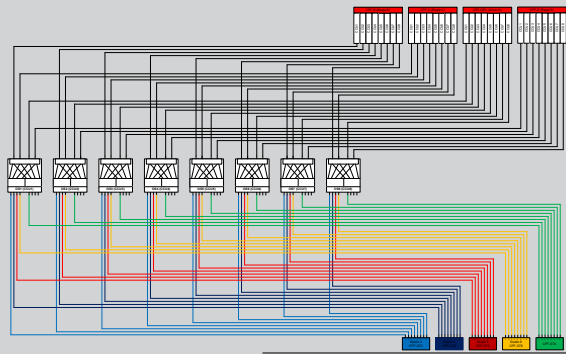
Resilient routing

House of Parliament Television, UK

"Our use of the equipment is slightly different to that envisaged by the original product, so the assistance of the development team in re-writing the operating system was very helpful"

Houses of Parliament TV
www.parliament.uk

Who?	House of Parliament Television
Where?	House of Lords, London, UK
What?	1 chamber, 2 control rooms, 6 camera positions, 16 CCUs (camera control unit), 3 opticamSWITCH

The Story

Neutrik's opticamSWITCH convinced Houses of Parliament TV as it offers remote switching of camera cable systems that were difficult to access during normal operational hours, due to the high level of security that operates when the House of Lords is sitting.

Before they integrated the opticamSWICH, they relied on manual changeover of fiber optic cables to provide resilient routing. But in order to improve the resilience of their operation, they wished to be able to switch cameras from one control room to another.

The installation was straightforward, but the use of the system was different from the way the product had originally been conceived. A software update had to be provided so that the switching could operate the way the customer required in a simpler and more intuitive fashion. As an emergency system that would be required for use under time-critical pressures, this was very important to them.

Since it is a system for resilience it has fortunately not been needed to be used in a live environment. It has worked correctly during system tests and Houses of Parliament TV intend installing another switch to provide resilience for the House of Commons cameras in 2014.

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