

Client:

SAG

Kategorie: Switch room.

Large screen wall as "team player" in the control room



JST control station concept: A perfect coordination of technology and design, also with regard to the colour scheme - in the Berlin SAG control station, the employees benefit from the ergonomic advantages of the control station furniture from the Stratos series, a large screen and the proven JST MultiConsoling®

Renewable energies are clearly continuing to gain ground. It is thus obvious that the number of transformer stations is also increasing throughout Germany. They are needed to feed the energy from wind and water into the high-voltage grid of the energy suppliers or transmission system operators. In the past, transformer stations were staffed with personnel, today operators in central control centers do this. For example in the Berlin control center of the SAG Group, which with the support of Jungmann Systemtechnik GmbH has equipped itself technically and ergonomically for the future.

An exact image of the approximately 40 transformer stations to be monitored throughout Germany is provided for the employees of the SAG measuring center in Berlin. They control switchgear for feeding regenerative energy sources into the networks of the various energy suppliers, carry out necessary

switching operations remotely and ensure that appropriate measures are taken in the event of faults. For example, fault clearance missions are organised nationwide from Berlin.

"Jungmann has convinced us"

"Our old control center was falling apart in the face of increasing demands. Also, the technology was completely outdated," recalls Klauspeter Pein, Head of Engineering and Commissioning. The solution: a larger control center with professional measurement control center equipment. In the search for an experienced partner, SAG experts found JST. Klauspeter Pein: "Intensive comparisons and investigations were carried out in advance. Jungmann convinced us – both in terms of design and technical solutions".



JST control center desks: The Stratos X11[®] OperatorDesk – shown here in the "Curve" version – meets the highest ergonomic and visual demands.

Large display wall as a "real team player"

Thanks to its sophisticated equipment with operator consoles from the JST Stratos series, the new control center does indeed fulfil representative purposes, but the technical systems are of course in the foreground. For example, the new large display wall has proven to be a "real team player". "Whereas we used to have to monitor everything via the monitors at the workplace, we can now benefit from the advantages of large-screen technology," explains Klauspeter Pein, who in this context particularly emphasises excellent clarity and improved possibilities for problem solving.



JST Displays: Thanks to the movable display rack, the business displays, which are optimised for 24/7 operation, can be flexibly rolled backwards and forwards in the room to allow rear access for maintenance purposes.

Improved working climate thanks to the outsourcing of computers

Of particular importance to the operator is outsourcing of the noisy IT equipment into a separate technical room, which was made possible by the JST MultiConsoling®, a system for controlling all workstations and the large-screen system: “We benefit from an improved working climate, as neither operating noise nor heat in the control center is a problem.



JST MultiConsoling®: The JST MultiConsoling® is controlled with the interactive 3-D user interface MyGUI. Thanks to this technology, it is possible to display any sources (computers, cameras, etc.) in real time on workstation monitors, on individual large-screen displays or as BigPicture across several large-screen displays. Another special feature: Only one mouse and keyboard are needed per seat to operate everything in real time.

Wants and needs perfectly implemented

Klauspeter Pein evaluates the work of Jungmann’s experts as “all-round successful” – from the first contacts with Managing Director Carsten Jungmann to the installation by the technical experts: “The JST experience has paid off for us.



A clear statement: "Thumbs up" for the new control station by control room experts JST – Jungmann Systemtechnik®.

Klauspeter Pein (on the left) / Torsten Stutterheim (on the right)

Head of Engineering and Commissioning / Secondary Planning and Operations Management

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The components used in this project:



DisplayWall with special S-PVA panels for reliable 24/7 operation - optional with proactive alarm function



MultiConsoling® System – complete control room system for workplace, monitor wall and other systems



myGUI® user interface - in the intuitive 3D design of your control room for maximum user comfort



Stratos X11® control room desk – optional with height adjustment and proactive AlarmLight system

Display Rack

Stratos X11® control room console (Curve version) – optional

Computer relocation

Other projects with a similar task



Iberdrola, Sassnitz



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wpd windmanager, Bremen

The logo for wpd windmanager, featuring a stylized 'w' and 'p' icon followed by the text 'windmanager' in a blue, lowercase, sans-serif font.

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