

Client:

NETZE
Magdeburg

Kategorie: Switch room, Critical infrastructures.

Innovative upgrade for power supply control center



JST control room concept: View into the new power supply control center. An innovative technical concept will be enhanced through optimised visualisation and ergonomic furniture.

“Electricity everywhere and at all times” – according to this guiding principle, around 160,000 so-called extraction points in and around Magdeburg are supplied with electricity. Responsible for this: Netze Magdeburg GmbH, a 100% subsidiary of Städtische Werke Magdeburg In order to remain true to this maxim at all times, the power supplier has now brought in a strong partner. With the support of Jungmann Systemtechnik GmbH, the power supply control center was extensively modernised.

A scene that can still be seen in many control centers today: A confusing number of monitors, a separate computer for each data source with various mouse-keyboard units that make life difficult for the operators, and, as the cherry on top, furniture from a time when the issue of “ergonomics” did not yet play a role. “It just didn’t fit any more, it was all too much for us,” remembers Karl-Ludwig Stephan, Head of Power System

Management.

Clear requirements for technology and ergonomics

The requirements for an upgrade of the control center of Netze Magdeburg were thus clearly defined: **Fewer screens and improved visibility**, a technical solution that offers more flexible application options and contemporary, ergonomically designed furniture. Just the right match for the control room professionals at JST.



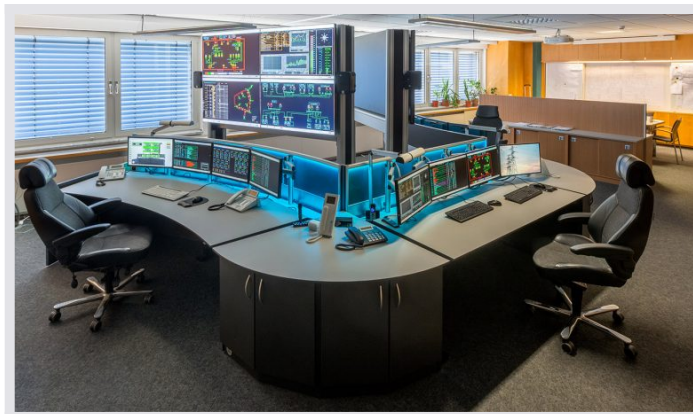
The Stratos X11® CommandDesk: a switch between sitting and standing to relieve back strain.

Positive employee response to new technology

It was clear from the very first discussions during a workshop day in the JST control room simulator: “The solutions that we were presented with here were able to convince both the younger and the more experienced colleagues,” according to Karl-Ludwig Stephan. The **intuitive operation** of our MultiConsoling® technology, a tool for controlling all workstations and the large-format system, along with the myGUI® graphical user interface, was quickly accepted by all employees.

JST solutions make the "island wish" possible

The opinion of the operator team also played a decisive role in the design of the premises. As a result, it was jointly agreed that the new power supply control center should be equipped with an "island solution." A combination of two semicircular and one classic Operator Desk from the JST Stratos series made this special request possible.



Maximum flexibility thanks to mobile large display walls

Two large display walls with business displays, featuring ultra-slim frames, were integrated directly into the work island, making them perfect for BigPicture display. The highlight: Each operator can assign individual sources to "their own" large-format displays. Nevertheless, the display walls are integrated into mobile DisplayRacks, which can also be combined to form a large DisplayWall as needed.



"That was really an excellent collaboration. Our individual wishes were met immediately. And also in retrospect I have to say that the entire system is very easy to maintain. There are no problems with the software or the technology. Really great!"

Karl-Ludwig Stephan
Project Manager

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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

Surrounding furniture

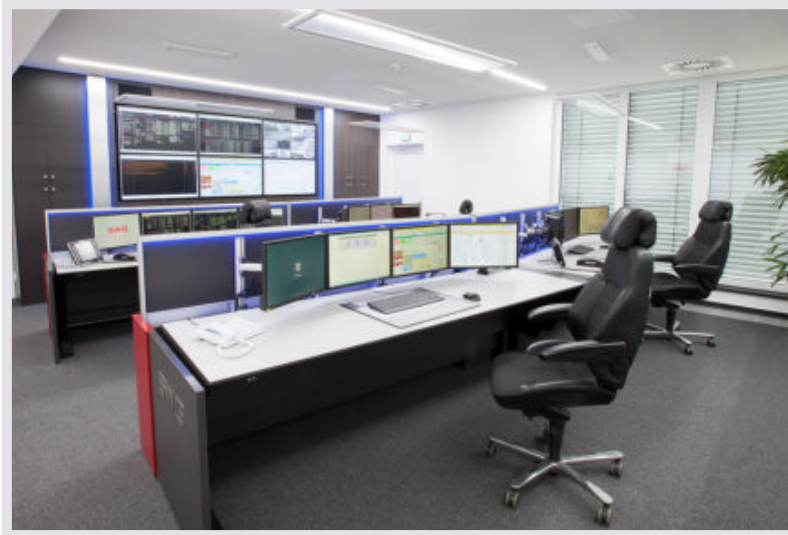
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