

Client:

HZB Helmholtz
Zentrum Berlin

Kategorie: Production control center.

Plant control room with completely new quality



JST control center concept: A carefully thought-out room concept, functional planning and proactive visualisation of the various systems - At Helmholtz Zentrum Berlin, the operators of the control room benefit from the extensive experience of the JST specialists.

A control room that not only meets the highest technical and ergonomic requirements, but is increasingly becoming a showpiece: At Helmholtz-Zentrum Berlin (HZB), an outdated, historically grown control room was replaced by a completely new installation from JST – Jungmann Systemtechnik[®]. “For us, a completely new operating quality has been created here”, comments Ingo Müller, Control System Engineer, on the demanding result.

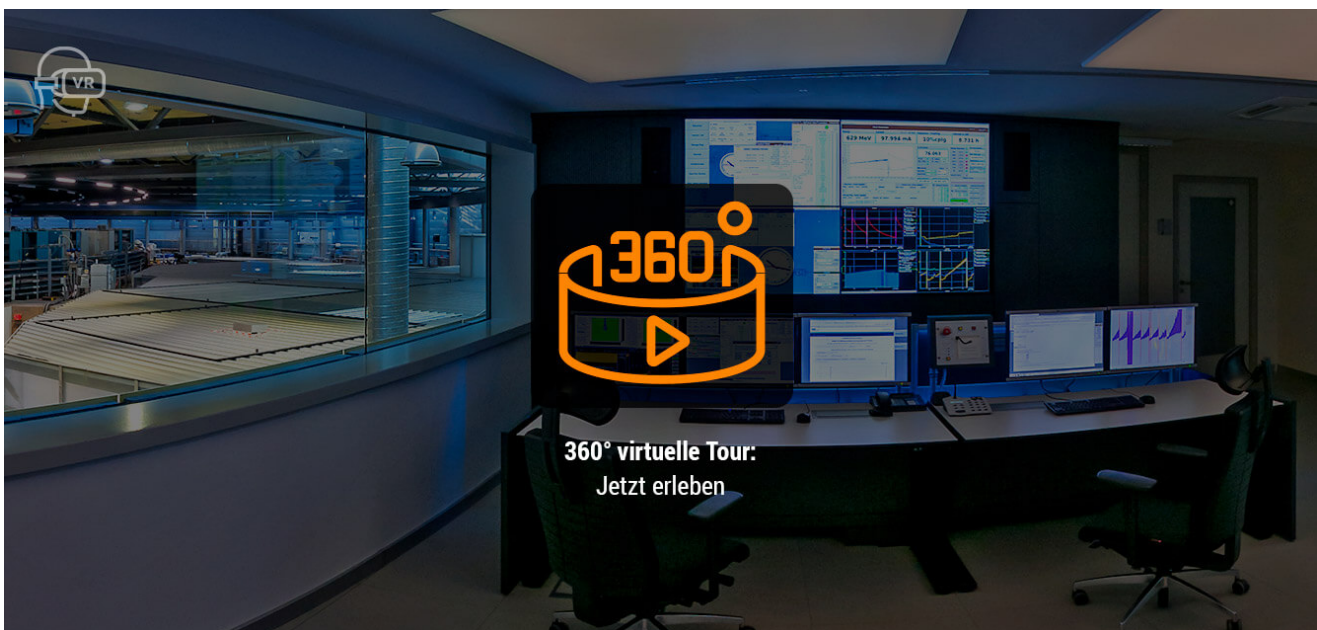
Control room before and after modernisation

The HZB project team became aware of JST – Jungmann Systemtechnik through a trade fair appearance.

From there it was only a small step to the visit in the control room simulator of JST. Ingo Müller: “We were delighted with the possibilities that were offered there and knew: That’s what we want – it fits perfectly into our concept”.

For the two control rooms BESSY II and MLS, the JST professionals visualised exactly this concept, consisting of control center furniture, MultiConsoling[®] and proactive large-screen technology as “Single Point of Control”, then by means of extensive planning and an entertaining film trailer.

Two storage ring facilities are now monitored centrally in the new control room via state-of-the-art proactive large-screen systems. The greatest profit in the eyes of Ingo Müller: Graphically prepared information about the respective machine status is displayed, at the same time measured signals can be permanently visualised. “The large display wall gives us ideal opportunities we never had before.”



Another completely new aspect for the staff of Helmholtz-Zentrum Berlin is the interest of high-ranking visitor groups. Thanks to the sophisticated equipment from the JST portfolio, the new control room is increasingly becoming a calling card for HZB. In addition to the technical optimisations through large-screen technology and JST MultiConsoling[®], the rooms offer ideal climatic and acoustic working conditions. In addition, the control center furniture with ergonomically designed products of the STRATOS X11[®] series and additional lighting from the JST Ambient Light meets maximum visual requirements.

“Although we have deliberately created a businesslike working atmosphere here, you can see a wow-effect in everyone who opens the door for the first time,” says team leader Ingo Müller happily. He has nothing but positive words for the cooperation with the JST specialists: “The cooperation was positive throughout. Everything worked smoothly and very quickly.”

Project Report "Helmholtz-Zentrum Berlin"

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Planning of the turnkey control center

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Time lapse during the installation

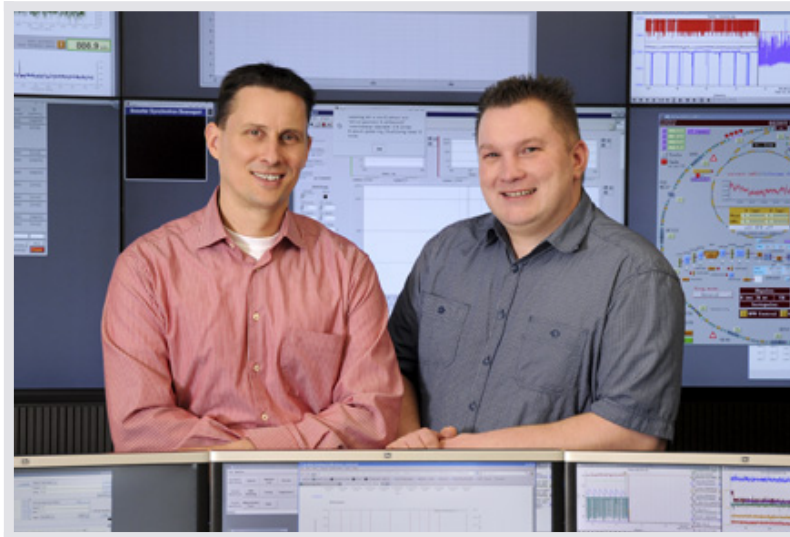
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More about Helmholtz-Zentrum Berlin

As one of 18 centers of the Helmholtz Association, HZB operates the neutron source BER II and the electron storage ring BESSY II, both of which are available with the highest reliability to an international user community for research purposes and provide deep insights into the structure of materials and the processes taking place in them. An important research focus at HZB is materials research with a focus on energy research, especially thin-film photovoltaics and materials for the conversion of solar energy into hydrogen (solar fuels). Around 1150 people are currently employed at the two locations Berlin-Wannsee and Berlin-Adlershof.



Not only did they play a decisive role in the planning of the project, but they also contributed to its practical implementation:

Ingo Müller (left) / Matthias Diehn
Helmholtz Zentrum Berlin

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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

Planning / 3D planning
Surrounding furniture

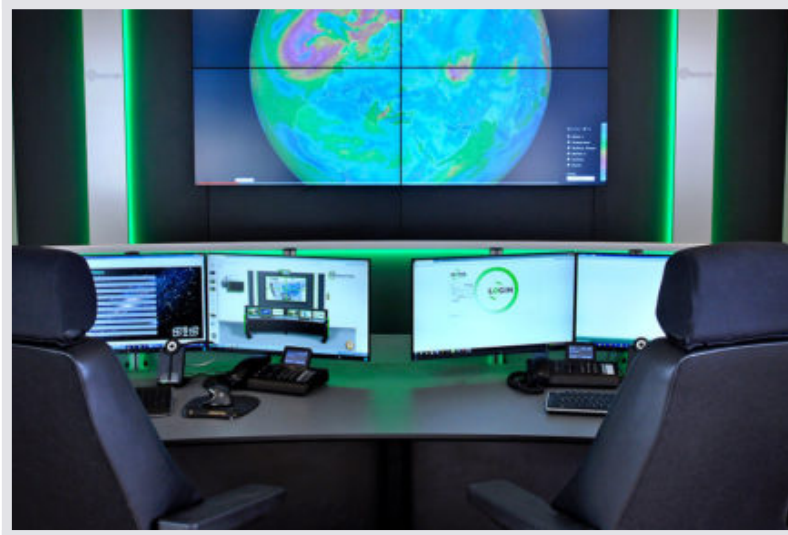
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