

“The CELSIUS workstations from Fujitsu offer enormous graphics and computing capability as well as a high degree of stability and reliability, which makes them perfect for all multimedia and collaboration installations.”

Maik Langer
Managing Director
Langer IT Solutions GmbH

Using Fujitsu's CELSIUS workstations and the smartPerform software, Langer IT has developed the ideal concept for interactive multimedia installations.

At a glance

Country: Germany

Industry: IT system integration

Founded: 2001

Website: <https://langer-it-solutions.com/>

Challenge

Langer IT needed high-performance computers for interactive multimedia installations in its reception, show and meeting rooms. They must guarantee fail-safe 24/7 operations along with stable presentation and collaboration processes.

Solution

With the FUJITSU CELSIUS J580 Small Form Factor workstation, Langer IT now has the most powerful Small Form Factor in the market and also a robust wireless single-processor desktop workstation in the form of the CELSIUS M770. The smartPerform standard software from Im-mersion7 GmbH is used as the software platform for presentations and collaboration purposes.

Benefit

- Maximum graphics performance in a Small Form Factor
- Flexible and scalable computing performance
- Guarantees stable and fail-safe applications for presentations, meetings and collaboration
- Seamless integration into reception, meeting room and showroom architectures
- High-performance hardware platform for the interactive smartPerform standard software
- Customizing options for a variety of customer requirements

Customer

Langer IT Solutions GmbH has been planning and integrating stable and high-performance IT solutions for maximum graphics requirements at the national and international level since 2001. Founded in 2001 as Datatechnix Consulting, the company expanded into Langer IT Solutions GmbH in the year 2017. The ITIL-certified system integrator tailors all solutions to customer requirements and perfectly coordinates the technical requirements, existing IT solutions and project objectives. In addition, the service provider also successfully collaborates with interdisciplinary partners.

Products and services

- FUJITSU CELSIUS J580 workstation with NVIDIA Quadro P2000 graphics cards (for meetings and collaboration on 2K and 4K displays)
- FUJITSU CELSIUS M770 workstation with NVIDIA Quadro P5000/P6000 graphics cards (for presentations ≥4K with multi-touch)

Modern concept for multimedia presentations and collaboration

Langer IT Solutions GmbH specializes in comprehensive all-in-one solutions for interactive and multimedia presentations, meetings and collaboration. "Digitization is accompanied by increasing demand on the part of companies to present products and services in a fashion that is visually attractive, technically brilliant and offers a high entertainment factor. Another trend is team work with presentation and creative functions for working within defined spaces and also beyond the confines of these spaces. We offer the technological basis for this," explains Maik Langer, Managing Director of Langer IT. At its headquarters in Unterhaching near Munich, Germany, the company operates a state-of-the-art showroom that offers live and practical demonstrations of the company's solutions to potential customers and interested parties. The smartPerform software platform, a product of Immersion7 GmbH, guarantees smooth multimedia presentation and collaboration applications.

"Our customers require absolutely fail-safe 24/7 operations. It is the only way to guarantee stable presentation, meeting and collaboration processes," says Maik Langer. This requires high-quality and powerful hardware solutions, both with regard to displays as well as computers. In addition, the segment presentations >4K resolutions and multi-touch as well as multi-user also puts considerable demands on the underlying PC hardware. In particular, this also applies to the processor and memory as well as the graphics cards performance of the PC. For these high-end scenarios, Langer IT needed reliable and powerful hardware that ensures stable and fail-safe operations for presentation and collaboration applications.

CELSIUS workstations demonstrate the concept of the future workplace

In selecting the right hardware solution, the IT service provider relies on products from its long-standing partner Fujitsu: the CELSIUS J Series workstation in a Small Form Factor housing and the CELSIUS M770 single-processor desktop workstation. They offer precisely the graphics performance that meets the demanding requirements for specific application cases. Since Fujitsu is the only provider to offer a Small Form Factor workstation with a full-height graphics card, Langer IT selected the J580 with an NVIDIA Quadro P2000 graphics card, which has more than 1,024 CUDA processing cores and 5GB of memory. In addition, the workstation also includes a capture card for integrating live signals for players, web cams and other components. The CELSIUS M770 workstation was selected because it is very quiet and cable-free, which facilitates servicing and reduces background noise. The CELSIUS M770 workstation also features ultra-high-end 3D graphics cards from NVIDIA, the Quadro P5000 and P6000, which offer the ideal performance for 4K multi-touch/multi-display applications.

Showroom at the head office

The workstations are the technological centerpiece of the concept and are also used in the elaborately designed showroom at Langer IT's head office. At the main entrance, visitors already encounter a 4K welcome screen showing current weather and traffic data. The meeting table features a huge 55-inch display with the smartPerform Collaboration App. In the Huddle Room, a multi-touch screen visualizes the "workflow table". There is also an 86-inch ultra-stretch info screen that displays directions, the date and time, weather and informative videos. And a high-resolution 4K 55-inch AVR Edge multi-touch table from MMT GmbH & Co. KG shows detailed information about collaboration. "Our showroom uses Fujitsu hardware to provide realistic insights as to what the concept of the future workplace could look like," explains Maik Langer.

Powerful graphics and computing performance

"The CELSIUS workstations from Fujitsu are the ideal choice for our showroom and our customers. With their powerful graphics and computing performance, they guarantee stable and fail-safe presentation and collaboration processes," confirms the Managing Director. The systems, which are developed and made in Germany, impress with an attractive design and a very compact size. No cables have been installed in the enclosure, and all components are connected to the main board with plug-in contacts. Thanks to an extremely low-noise fan, the workstations are very quiet and inconspicuous. "Because of the attractive form factor and compact size, the workstations can be easily integrated into the architecture of the showroom and are therefore ideally suited for customer-specific presentation purposes," states Maik Langer.

In addition, the J Series also offers powerful hardware for the interactive smartPerform standard software, which is used around the globe. Now it is easy to create and apply graphical user interfaces for innovative product and brand presentations as well as intuitive meeting and collaboration platforms. Fujitsu not only offers high performance but also a wide-ranging workstation portfolio, depending on the requirements in the various application segments. "The concept reflects the excellent teamwork of three competent partners, namely smartPerform, Fujitsu and Langer IT," concludes Maik Langer.

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Get in contact with a sales representative at: cic@ts.fujitsu.com

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