FUJITSU

Case Study
Strzemiński Academy of Fine Arts in Łódź

"The complexity of design systems requires a class of computer hardware that provides the designer with freedom to move around in a virtual world created in his mind. Help with this comes in the form of Fujitsu equipment."

Karol Fajfrowski, Senior IT Specialist, Strzemiński Academy of Fine Arts in Łódź

The customer

Country: Poland
Industry: Fine Arts
Founded: 1945
Website: int.asp.lodz.pl/academy

Akademia Sztuk Pięknych
im. Władysława Strzemińskiego w Łodzi

The challenge

Creating a unified system that provides freedom of action while at the same time minimizing the cost of its operation.

The solution

Full Fujitsu solutions were selected, including FUJITSU CELSIUS workstations with NVIDIA® graphics cards.

The customer

By using the latest and most advanced technology, the Strzemiński Academy of Fine Arts (AFA) in Łódź is aiming to create the best possible conditions to encourage its students to creatively design the world around us. One project carried out for the Centre for Science and the Arts was to create an electronic archive where digitized resources, such as paintings, sculptures and fabrics, will be made available on the Internet.

The challenge

In terms of teaching, the academy requires hardware with a high level of performance and reliability. Designers should not feel any discomfort when using computers. AFA needed server systems that, in combination with graphics stations, allowed the easy virtualization of resources and seamless support for different types of databases.

The solution

As a result of working with Fujitsu in 2014, several ateliers were set up - all equipped with FUJITSU CELSIUS M730 workstations with FUJITSU Display P24W-6 monitors. The administrative part of the academy was supplied with FUJITSU Desktop ESPRIMO Q520 computers with L22T-6 monitors. Several All-in-One's, FUJITSU Desktop ESPRIMO X913T devices, were also purchased and are successfully used in the reading rooms in the Library of the Academy of Fine Arts in Łódź.

"Taking into account all the technological conditions, scalability, innovation, but above all price, we opted for Fujitsu's solutions. They made it possible to create an infrastructure that helps us achieve our goals, fulfilling our expectations in every way," says Karol Fajfrowski, Senior IT Specialist, AFA.

The Academy of Fine Arts teaches future artists, designers and specialists in various fields of art. FUJITSU CELSIUS M730 workstations are used in the academy's teaching, and especially in graphic design, applied arts and multimedia. Students use them to generate 2D and 3D images and to work on postproduction.

The benefit	Products and services
■ Coherent system with a uniform operating philosophy ■ Reduction in operating costs ■ Well-structured technical support and service agreement that gives a sense of security and effective operation	■ FUJITSU Workstation CELSIUS M730 Power ■ FUJITSU Workstation CELSIUS R930 Power ■ FUJITSU Desktop ESPRIMO Q520 ■ FUJITSU Desktop ESPRIMO X913T ■ FUJITSU Display L22T-6 Monitor ■ FUJITSU Display P24W-6 Monitor ■ FUJITSU Server PRIMERGY BX900 S2 ■ FUJITSU Server PRIMERGY BX924 S4 ■ FUJITSU Storage ETERNUS DX90 S2 (version with 6 shelves allowing 72 SATA III disks to be supported)

"Thanks to the Fujitsu equipment, our students can implement their grandest artistic ideas from processing images, to designing, printing and multimedia production," says Fajfrowski.

Rooms equipped with the workstations are also used for testing and training for both students and administrative staff.

Some of the equipment is also used to convert the process of complicated renderings into the generation of spatial images and animation, carried out with the help of Autodesk 3ds Max and Adobe After Effects.

The Benefit
Currently, courses based on using computer technology are enjoying huge popularity. These include design, interior design and designing the appearance of everyday objects. Fujitsu graphics workstations have become essential tools for students on these courses.

"The effectiveness of the system based on Fujitsu's solutions translates into the satisfaction of our most important customers - the students," says Fajfrowski.

The academy's server systems have migrated to the new FUJITSU Server PRIMERGY BX900 S2 equipped with 10 BX924 S4 series blade servers. When connecting a server to a FUJITSU Storage ETERNUS DX90 S2 matrix, optical connectors with a capacity of 10 GB/s (using iSCSI) were used. The matrix was equipped with six shelves stacked with 72 disks with a capacity of 3 TB each. This approach allowed a very advanced system for virtualizing environments to be created.

Conclusion
The system that was implemented allows full flexibility in the configuration while maintaining scalability that had previously been impossible.

"Fujitsu's solutions positively surprised us with the ease of their implementation and maintenance. The scalability of the technology allows us to think about the future and further development calmly."

Karol Fajfrowski, Senior IT Specialist, Strzemiński Academy of Fine Arts in Łódź