

New OR for improved ergonomics: EIZO OR documentation solution at the Landau site of the Landau-Südliche Weinstrasse hospital group (Germany)

✕ The hospital

As the biggest medical facility in the Landau-Südliche Weinstrasse GmbH hospital group, Landau Hospital has over 200 beds. Since April 2019, the approx. 3,500 surgical procedures carried out each year have been supported by EIZO OR documentation solutions.

✕ The requirements

Before the construction of the new OR suite and the introduction of the EIZO solution, Landau Hospital was using different documentation technology with each video system. The integration of a large number of devices from various manufacturers was an enormous task. "It resulted in very high follow-up costs for implementation, data maintenance, and licensing," explains Thomas Hörner, who is responsible for medical device safety in the Landau-Südliche Weinstrasse hospital group.

The fact that the necessary images could not be stored directly in the OR environment made work in the OR more difficult. "Previously, we had stored all intraoperative X-ray images in the X-ray machine and had printed them out on paper", recalls Tobias Gäbelein, attending physician in trauma, hand, and orthopedic surgery at Landau Hospital.

One of the main reasons for awarding the tender to EIZO, beyond meeting the requirements outlined above, was the company's flexibility in terms of installing the equipment in a very limited space. "We had an available wall depth of just 20 cm, and the entire system had to be accommodated within that space", explains Thomas Hörner.



✕ The solution

In each of the four new operating rooms at Landau Hospital, the EIZO OR documentation solution features the following components:

- Surgical Panel SP2-46-24 with two integrated computers
- Software CuratOR Caliop vm, doc and con
- Large Monitor Manager LMM0804
- Two EIZO pendant-mounted monitors EX271W



monitors can also be used to display all image sources connected to the video management system. It is easy to switch between PC and video management using a button on the front of the Surgical Panel.

In total, there are eight options in the OR for connecting to the video management system. These converge in the Large Monitor Manager LMM0804, from where they can be made available on the EX271W satellite monitors directly on the operating table, or on the 46-inch large monitor of the Surgical Panel.

✕ The workflow

At the heart of the solution is the Surgical Panel SP2-46-24. The two integrated monitors are each controlled by a dedicated computer and can therefore be used as separate OR workstations.

CuratOR Caliop is installed on the workstation for the 24-inch monitor. The video management and documentation systems can be controlled from here. The 46-inch large monitor is connected to the hospital PACS system and can thus be used to display the required X-ray images. However, these

✕ Customer testimonial

"Routine operation is extremely positive. Workflows and the ergonomics of operating procedures are optimized to the needs of our users. We now have access to all the information we need, from anywhere in the OR", explain Thomas Hörner and Andrea Landgraf, commercial director for surgical care at Landau Hospital.



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