

Efficient and space-saving: EIZO solution for next generation electrophysiology laboratory at Imelda Hospital in Bonheiden, Belgium



The renowned Imelda Hospital in Bonheiden (Belgium) is a general medical size hospital with approximately 600 beds, around 1700 employees and 160 doctors. The Hospital's centers of excellence include the departments of cardiovascular surgery and cardiology, orthopedics, and general surgery.

In 2021, Imelda Hospital decided to build a new next generation electrophysiology laboratory (EP Lab) in order to offer an even better service to its patients. After an extensive study, General Electric Healthcare (GEHC) was awarded the project.

The project

End of the year 2021, the state-of-the-art EP Lab was installed and has become an icon for the hospital.

The EP Lab is composed of three elements: an operating area, a control room, and a server area. GEHC was commissioned to equip the OR, EIZO has defined the cockpit solution and was responsible of its installation. EIZO worked in close cooperation with GEHC throughout the project from planning to installation.



Manager LMM0802 are built in the server rack. They bundle all the video sources and stream them to the control room.

This EIZO visual solution allows combining all available video sources, arranging and control them from the workspaces in the control room and managing the display of the large screen in the operating room. This allows a very efficient and smooth workflow, high flexibility and great comfort for providing necessary information at the right time to the operating team.

The EIZO solution

In the operating area the EIZO 4K monitor RadiForce LS580W was installed, allowing electrophysiologists to see all necessary information on the 58-inch widescreen in one glance. This allows them to be more efficient as no supplementary actions need to be performed to obtain all the patient's data.

From the control room all the visual elements are grouped and sent to the large monitor in the operating area. The operators use three EIZO RadiForce RX660-LM monitors with 6 MP resolution and 30-inch size each, combining all video sources that previously needed to be visualized on 8 or more monitors. In this way there is more desk space, which in turn decreases the need for a large control room.

In the server room two EIZO Large Monitor

Commissioning

After the installation, the hospital's staff received an introduction to the system by the GEHC project manager who has been trained by EIZO before. The feedback and the experiences are very positive, since the new EP Lab offers more comfortability for patients and operators.



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