

AZ Groeninge Hospital, Belgium

Unique online system assures worry-free diagnostic quality

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Dr. Patrick Seynaeve, Head of Radiology
AZ Groeninge Hospital, Kortrijk, Belgium



Barco diagnostic displays confirm their top reputation in major Belgian hospital

With a staff of 2,400 employees including 200 physicians, the AZ Groeninge Hospital Group in Kortrijk boasts a position among the largest general hospitals in Belgium. Located in the historic city of Kortrijk in western Belgium, the hospital is spread over four campuses. To maintain its position at the forefront of medical care in the years to come, the hospital recently decided to move to a new, state-of-the-art home on the outskirts of the city.

To fulfill its imaging needs, AZ Groeninge Hospital called in the services of their “Dienst Medische Beeldvorming” (Medical Imaging Department), a group which is strongly committed to obtaining the highest standards of diagnostic accuracy and efficiency. First-class equipment plays a pivotal role in achieving this target. So, when the department sought a high-quality PACS display solution, they quickly discovered Barco’s wide offering of radiology display systems.



Customer:

Medical Imaging Department of the AZ Groeninge Hospital, Kortrijk, Belgium

Challenges and objectives:

- Highest standards of image quality in grayscale and color
- Worry-free calibration and quality control
- Enhanced productivity throughout the clinical workflow

Barco solution and services:

- Coronis diagnostic displays (2MP, 3MP, 5MP, 6MP)
- Online service for Quality Assurance

Why Barco

- Top repute for precision and efficiency
- Unique online service for Quality Assurance

**The pioneering spirit in action**

As one of the first healthcare providers in Belgium, the "Dienst Medische Beeldvorming" is a long-standing customer of Barco Coronis 2MP, 3MP and 5MP Mammo monitors. Recently, the department re-affirmed its pioneering spirit by adopting the "seamless" Coronis Fusion 6MP DL display system. To ensure faultless DICOM-quality of their entire display fleet over time, the radiology department also installed the MediCal QAWeb online system for intervention-free quality control.

Uncompromised image quality in grayscale and color

Every day, a team of 13 radiologists vouches for the accuracy of the diagnoses performed at AZ Groeninge. "We make life critical decisions every day," said Dr. Patrick Seynaeve, Head of Radiology at AZ Groeninge. "Barco's high-end diagnostic screens provide us with the highest possible image quality to maximize our diagnostic confidence."

Dr. Seynaeve is particularly pleased with the innovative Barco Coronis Fusion 6MP DL system. "In our daily practice, we routinely read color, grayscale and fused images from advanced modalities," continued Seynaeve. "These include X-ray, CT, MRI, PET-CT, US and angiography. With the brand-new Coronis Fusion 6MP DL, we can read both grayscale images and color applications on the same multi-modality viewport without compromising the image quality."

Enhanced productivity via product flexibility

The rising demand for diagnostic images and the massive growth of image datasets has placed increasing pressure on radiologists to enhance their daily productivity. At AZ Groeninge, this pressure rings true. The Coronis Fusion 6MP DL responded to this by introducing a new level of diagnostic flexibility.

"We already had very good diagnostic accuracy on the 3MP grayscale monitors," noted Dr. Vanovermeire, "but with the additional color information of the Barco 6MP Color, we can now perform faster and more accurate diagnoses. What's more, thanks to the multi-purpose Coronis Fusion 6MP, we no longer have to move to another room or to another workstation to perform advanced processing. This, in turn, saves us a lot of time."

Permanent quality control with MediCal QAWeb

Besides high-grade PACS display systems, the radiology department at AZ Groeninge also rolled out MediCal QAWeb, Barco's online system for quality control. Thanks to this unique system, the radiology team benefits from worry-free DICOM precision at all times. The displays do not have to be checked daily or weekly, which again results in a significant time savings.

"When we acquired the Barco monitors, we knew we had the best screens on the market," explained Dr. Seynaeve. "Now, with the online MediCal QAWeb system and its built-in I-Guard sensor technology, we can be confident that this quality is assured 24 hours a day."

As an additional advantage, MediCal QAWeb paved the way for user-friendly display asset management. A single operator now has a clear overview of the performance of all screens within the various hospital sites. "QAWeb can even accurately predict which systems will soon reach end-of-life, and when they will need to be replaced. This allows us to optimally plan our future investments," noted Dr. Seynaeve.

A solid partnership

Speaking on behalf of the "Dienst Medische Beeldvorming" and 15 years of experience with Barco quality, Dr. Seynaeve commented on the solid partnership. "In all these years, we haven't encountered any serious issues with our display devices. And because we keep our eyes to the future, we are now in the process of replacing our grayscale 3MP monitors with Coronis 6MP color screens. This will allow us to further enhance our efficiency for the long-term."

