

# Clarity and confidence

Setting the standard with Barco diagnostic imaging displays



# Breaking new ground in healthcare imaging



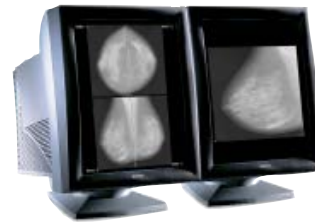
**1986**  
Barco's first medical display for ultrasound, MCD-10



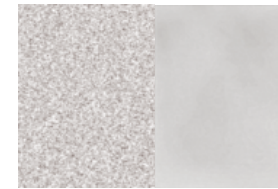
**1993**  
Barco's first primary diagnostic display system, MGD-521



**2001**  
Introducing the I-Guard front-of-screen precision photometer



**2002**  
The first 5MP mammography display, MGD-521M



**2004**  
Introducing unique and patented Per Pixel Uniformity (PPU) technology



**2006**  
1<sup>st</sup> automated QA and calibration system (MediCal QAWeb)

A radiologist's success relies on using the most advanced display technologies available. Barco displays present the brightest, most precise images and smoothest reading capabilities.

László Tabár, MD, FACR (Hon) Course Director Professor Emeritus of Radiology and president of Mammography Education, Inc.



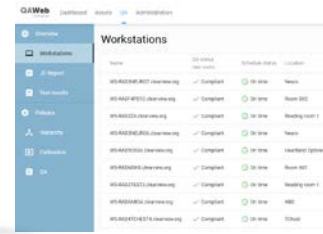
**2007**  
1<sup>st</sup> 30-inch 6MP diagnostic color display (Coronis Fusion 6MP)



**2011**  
1<sup>st</sup> system for breast tomosynthesis (Mammo Tomosynthesis 5MP)



**2014**  
1<sup>st</sup> system for unified workflow for PACS and breast imaging (Coronis Uniti) featuring SteadyColor calibration



**2019**  
Introducing GAWeb Enterprise, cloud-based platform for centralized and remote QA & compliance management



**2021**  
World's 1<sup>st</sup> stand-alone display for digital pathology

## More than 30 years of innovation

Leading innovation and smart technology breakthroughs to deliver incredible image quality and spur productivity for the entire healthcare enterprise has been our mission for more than 30 years. The result is a beautiful portfolio of visualization solutions for radiology, breast imaging, surgery, dentistry, and digital pathology, along with clinical displays for healthcare specialists and digital OR systems.



Frost & Sullivan Best Practices Award for diagnostic display line



Frost & Sullivan Award for Technology Leadership in the Multi-modal Medical Display Industry

# Caring with confidence



Diagnostic imaging fuels huge progress in healthcare delivery, resulting in better health outcomes and life expectancies. Screening exams save lives through early detection, making most exploratory surgeries a thing of the past. A hospital's commitment to diagnostic imaging promotes exceptional healthcare that benefits both patients and medical specialists.

Image quality and compliance are paramount to achieving a confident diagnosis, and ultimately, a successful course of treatment. Barco technologies that go beyond pixels and lumens enhance even the subtlest details to aid in precise detection at the earliest possible stage. Meticulously designed for faster image loading, creating a more streamlined workspace, and delivering crystal-clear images that are easy on the eyes, our solutions help you work with confidence and efficiency..

## Challenges of a new era

A survey amongst 200 radiologists in Europe and North America gathered their thoughts on the challenges in radiology. The key findings?

### ...About image quality

**91%** believe image quality is the most important display aspect that impacts reading performance.

**80%** of radiologists believe higher spatial resolution will improve the reading experience.

### ...About productivity

**77%** believe efficient workflow impacts reading sessions.

**74%** think increasing image volumes affect productivity.

### ...About ergonomics

**87%** of radiologists experience physical discomfort when reading images.

Almost **70%** of respondents say that display ergonomics are very important.

# Everything you need. And more.

## Attention to detail

Barco displays deliver high brightness, better contrast, accurate colors, and a wider viewing angle than other medical displays, resulting in crystal-clear and accurate images. The result is impeccable quality in grayscale, color, moving, and static images from a multitude of modalities.

## Peak performance

Barco monitors are truly all-in-one devices, comprising a high-quality display, an ultra-fast medical display controller for fast image loading and manipulation, tools to enhance workflow, and an automated QA solution to ensure compliance.

## Easy on the eyes

Growing study volumes result in greater pressures and longer reading days for radiologists. Ergonomic features that minimize physical stress, anti-reflective screens, ambient lighting, enhanced display form factors, and medical device tools increase focus to enhance productivity without discomfort.

## Sensory consistency

Built-in stabilization and patented front-of-screen sensors guarantee consistent image brightness and clarity throughout the entire display lifespan and on every display connected to the enterprise network. Colleagues in different locations see identical images, facilitating accurate remote collaboration.

## Ultimate peace of mind

No distortions and no distractions thanks to QAWeb Enterprise, a cloud-based service for automated Quality Assurance, calibration and compliance. And the all-inclusive 5-year warranty on Barco radiology displays is the best in the industry.





# Caring for women's health



## Improving outcomes

Breast cancer remains a top priority for healthcare organizations and society as a whole. According to the World Health Organization, it is the largest cause of cancer-related deaths for women worldwide, as at least 1 in 8 women will be diagnosed with breast cancer in their lifetime. On a more positive note, a reduction in breast cancer incidents has been reported, and death rates have been steadily declining: the remarkable result of worldwide awareness campaigns, better treatment options, and early detection through improved screening. Facilitating detection of breast cancer in its earliest stage means investing in the newest screening methods and diagnostic technologies, which can literally save lives.

### Preferred by 80% of screening centers

4 out of 5 breast screening centers choose Barco breast imaging displays. These monitors are the perfect match for breast imaging, whether in color or grayscale, in 2D or 3D, on a large, bezel-free widescreen or on a dual-head workstation. The choice is yours.



### Color: the future of breast imaging

Barco breast imaging displays have been designed for demanding radiology applications that require excellent grayscale rendition and detail, especially appreciated in mammography and breast tomosynthesis. To guarantee that color breast images are rendered just as accurately, we developed SteadyColor technology: for sophisticated calibrated color, from display to display, that also improves gray images. Unique in the market!



Diagnostic advantage. Workflow efficiency. Viewing comfort.  
**Enjoy your reading room.**

## Coronis Uniti

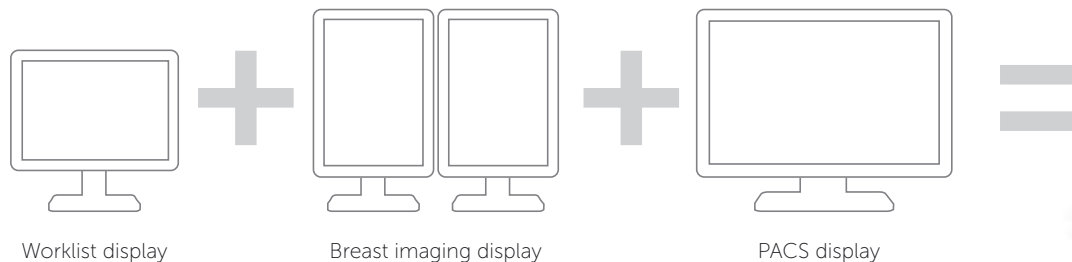
With Coronis Uniti, you're working with the biggest and most equipped display system that exists for general radiology and breast imaging.

Experience the power of a feature-rich design and a strong engine that renders rich content, while enabling fast-paced, dynamic, and 3D medical imaging.





# Coronis **Uniti**



## **Boost your diagnostic work**

Everything you see on the full-size, 12-million-pixel screen is sharp and precise. It presents images with crystal-clear precision on a large, flexible, bezel-free image area, providing an uninterrupted view of large images, numerous smaller studies, or various combinations and overlays in any layout you prefer.

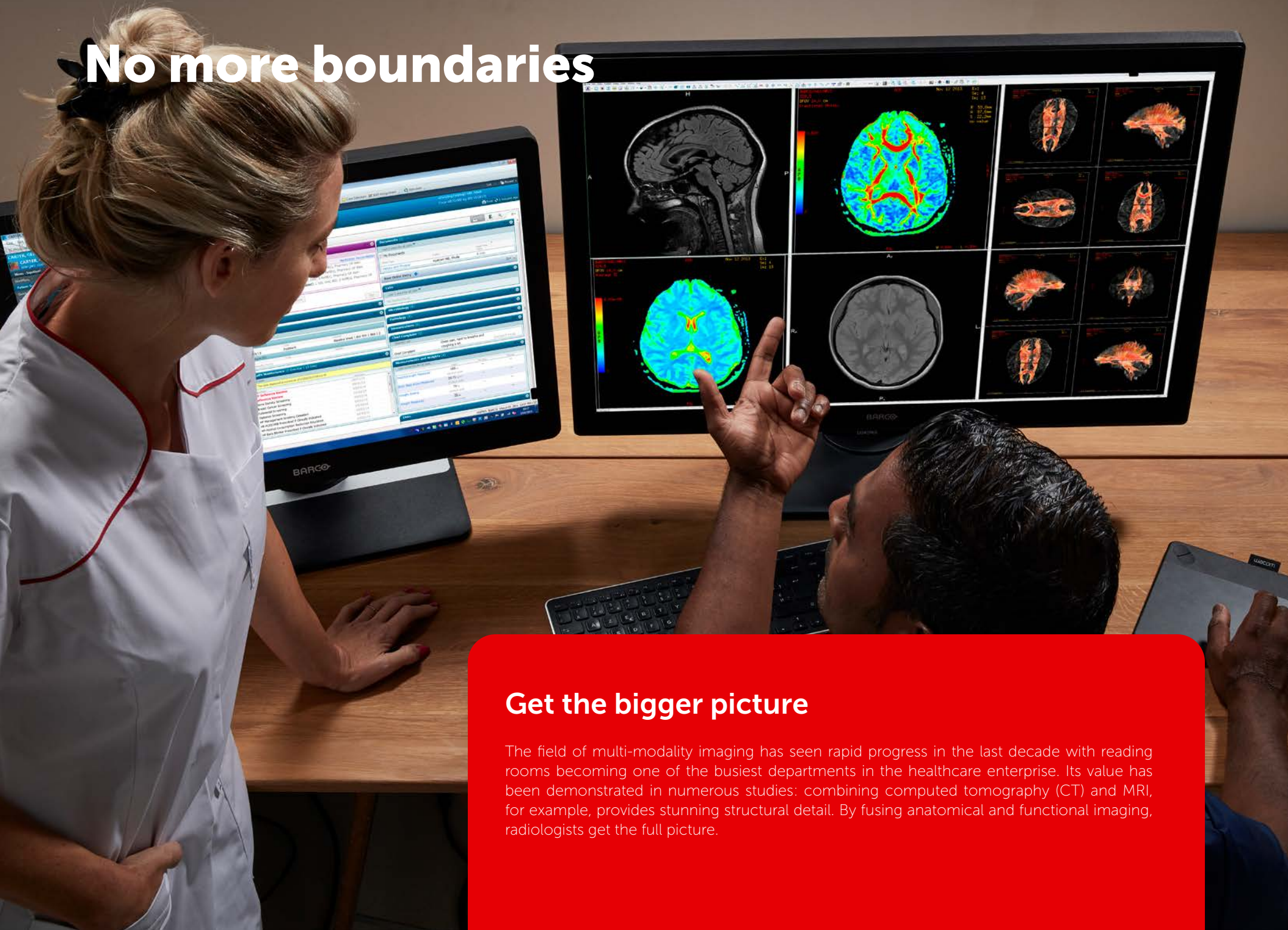
## **Perfect your workflow**

Coronis Uniti is designed to allow images of a wide range of modalities: from x-rays and ultrasounds to 3D mammography. It's the solution that replaces all display configurations, so say bye to multi-head set-ups or other workstations to view additional exams.

## **Work with comfort and ease, anywhere**

The Uniti's Optical Glass reduces internal and external reflections and allows easy cleaning. Turn on SoftGlow desk and wall lights to reduce strain on your eyes. Ambient light sensors check the brightness of your surroundings. And you can choose to view grayscale images in clear grays or add a blue tint according to your choice. Your preferences, your rules.

# No more boundaries



## Get the bigger picture

The field of multi-modality imaging has seen rapid progress in the last decade with reading rooms becoming one of the busiest departments in the healthcare enterprise. Its value has been demonstrated in numerous studies: combining computed tomography (CT) and MRI, for example, provides stunning structural detail. By fusing anatomical and functional imaging, radiologists get the full picture.

# Coronis Fusion



## Engineered for different modalities

The first-ever Fusion display on the market, and it keeps getting better. That's Coronis Fusion. This multi-modality diagnostic display system streamlines your workflow, combining multiple images or studies on a single display – so switching between workstations becomes a thing of the past!

Ingeniously designed, Coronis Fusion lets you configure your screen as a single, widescreen display or two bezel-free heads. Image-enhancing features reveal the smallest details with sharper grayscales than ever before and calibrated colors, all on the same display. The result is a fast and accurate diagnosis.

## Boost your productivity

Researchers from the Montefiore Medical Center found that a 6MP diagnostic display improves productivity by up to 19% with fusion format in retrospective simulated use and reduces eye strain compared to a dual-head 3MP setup.' With an extended range of calibrated colors, sharp images, ambient lighting, reduced reflections, and a high calibrated luminance, your reading sessions become even more productive.



# Ultimate slide to eye confidence

Pathologists are standing at the crossroads of a slow but steady digital evolution in your field of expertise. That comes with its challenges too, of course. How do you start transitioning to a digital workflow? How do you handle large volumes of digitized slides? What new technologies are important to keep in mind?

At Barco, we keep our finger on the pulse. Backed by decades of experience in digital medical imaging, we develop solutions that contribute to whole slide imaging. We respect the intrinsic characteristics and workflow of pathological analysis. And we focus on the outcome: you and your patient are always top of mind.



# MDPC-8127

Meet MDPC-8127, our ultra-high definition medical grade monitor designed exclusively for digital pathology. With regulatory clearances for use in digital pathology including primary diagnosis, it's the first display that you can confidently integrate into your digital pathology workflow with multiple whole slide imaging systems. Work with superior imaging technology and analyze your histological samples confidently, with unprecedented visual richness.

## **Your slides, visualized as never before**

Trust your display like you trust your expertise, with the 27-inch, ultra-high definition display.

- Extremely sharp and consistent images
- Large visible slide area, at all viewer zoom levels
- 1.07 billion possible colors, tailored to digital pathology images
- Effortless panning & zooming with minimal blurring
- High-precision touchpad for improved productivity



Our monitors are packed with technologies that are tailored to the unique aspects and needs that come with the digital pathology workflow. Many of these technologies were developed by our own R&D teams, based on research and collaboration with customers and experts.

Take our Ambient Light sensor, for example. It tracks the light that falls on your display and gives a warning when your environment becomes too bright.

# What's unique about us?

## **Brilliance on screen. And behind it.**

Innovative technologies that seamlessly integrate with your displays, enrich your diagnostic imaging experience to boost their functionality, improve performance and increase detection.

## **Call it collaboration**

Ideal for academic symposiums, clinical training and other group learning environments, Conference CloneView enables large-screen viewing of precise diagnostic images to facilitate collaboration.

## **Your productivity and flexibility are our priority**

Proprietary MXRT medical display controllers are your guarantee for leading-edge performance, flexibility as well as reliability and unmatched processing power for medical datasets. Built on this MXRT technology, Barco's Intuitive Workflow Tools bring proven clinical benefits with increased accuracy and decreased reading times. Our systems are validated with the latest workstations and with all major PACS applications.

## **Enterprise-wide QA and compliance**

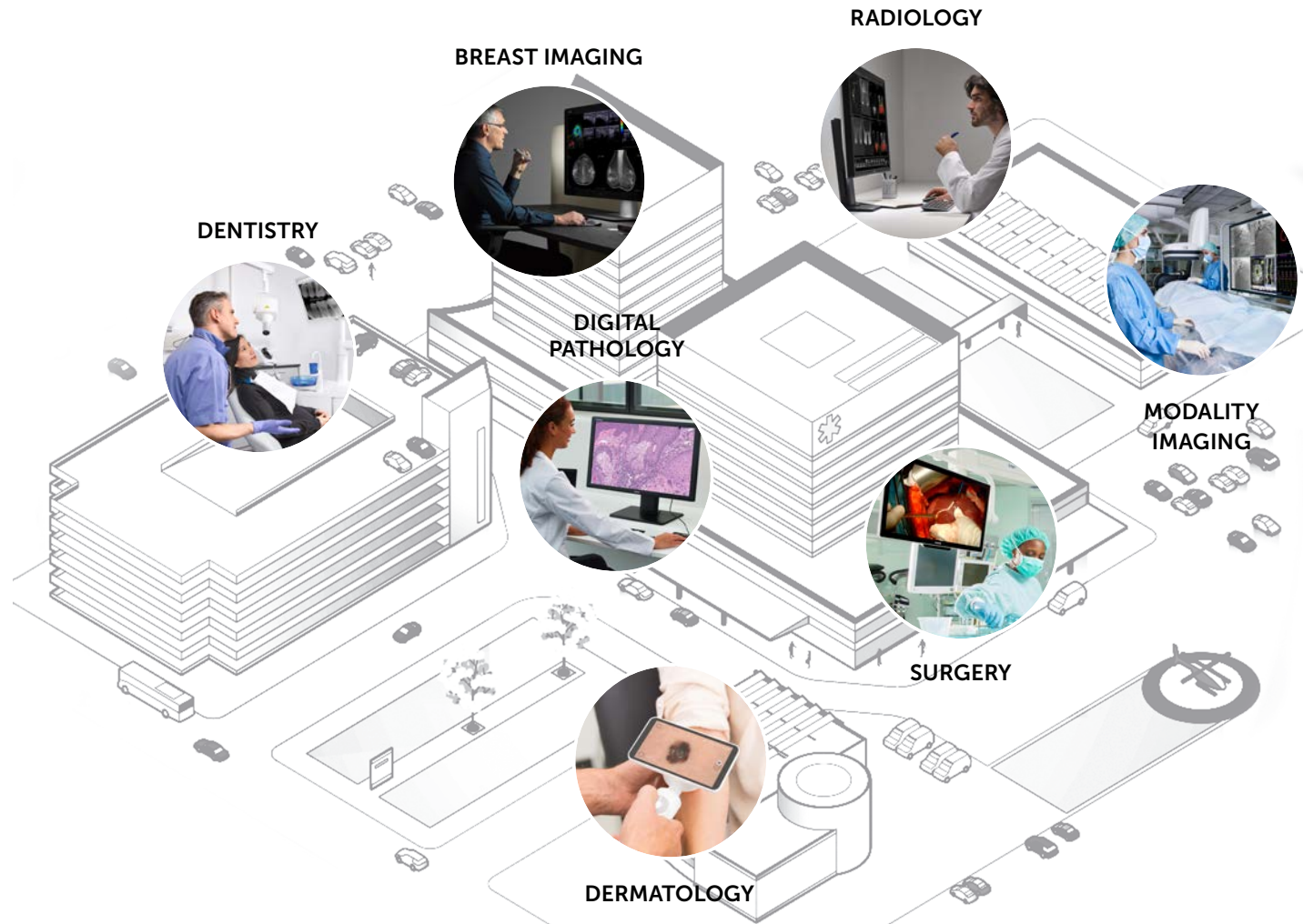
QAWeb Enterprise is our free online service for high-grade Quality Assurance and DICOM calibration. This all-inclusive secured system supports consistent image quality and uptime of all PACS display systems throughout the hospital enterprise. Additional features include remote control, display asset management, problem solving and reporting.

## **Need a worklist display?**

Barco clinical review displays are your perfect sidekick. These clinical review displays offer exceptional image quality and high brightness levels. A look under the hood reveals a unique asset: a front sensor that guarantees consistent images. Every time the display is switched on, image quality is aligned anew. In short; your PACS images, RIS data and image-enabled EMR have never looked better, and will continue to do so for many years to come.



# Here's where you'll find us.



# Supporting better patient outcomes

Improving the quality and value of care are the leading priorities for healthcare professionals today. At a time when the amount of data is growing rapidly and there is more demand for mobility, healthcare systems struggle to work more efficiently, and to provide personalized care to a growing number of patients in an affordable way.

Focused on transforming the delivery of care, Barco connects healthcare professionals at every patient touch point, from the imaging room, to radiology, through specialist consultations and in the surgical suite. We offer a network of medical imaging solutions that deliver the complete picture to support more informed decisions, when and where it matters most.

It's why we are considered the gold standard for medical visualization and how we are there at every stage of the patients' journey. So healthcare professionals can focus on patients' needs and, in the end, achieve the best clinical outcome.