

Media Backgrounder

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Image Guided Therapy Mobile C-arm System 1000 – Zenition 10

The Image Guided Therapy Mobile C-arm System 1000 – Zenition 10 is Philips' new addition to the company's Zenition mobile C-arm series. Powered by Philips' state-of-the-art flat panel detector technology, the Zenition 10 helps to expand patient access to routine surgical care and minimally invasive procedures. The cost-effective, high-utilization, high-image-quality mobile C-arm enables surgeons to treat more patients at a lower cost while helping improve patient outcomes.

What is a Mobile C-Arm?

Mobile C-arms are X-ray systems that are brought into the operating room (OR) to provide live image guidance during a wide range of clinical procedures.

The use of a C-arm offers several benefits in surgery settings. First and foremost its images help surgeons navigate with precision as they can see the exact location of the surgical instruments, implants, or other devices they're using, ensuring accurate procedures and reducing the risk of complications. It also allows them to confirm the successful completion of the procedure by verifying results on the spot.



Why is it important?

Trauma is one of the leading causes of morbidity and mortality in Saudi Arabia and worldwide, and it remains the leading cause of mortality in younger people¹. This places undue pressure on health systems, which increases the need for more precise, cost-effective, and adaptable care – enabling care when and where it's needed.

The Zenition 10 offers high-quality imaging to facilitate quick decision making and enable precision, while its powerfully compact design supports fast transport, fast set-up, and fast imaging mix of trauma, orthopedic, and other procedures.

Philips Zenition mobile C-arms have long been recognized for their high-quality imaging and efficiency-enhancing performance. With the introduction of Zenition 10, Philips is making those benefits available on a C-arm that meets the wide-ranging needs of routine open and minimally invasive surgery, allowing more patients in more parts of the world, including Africa, to receive high-quality care.

¹ <https://www.moh.gov.sa/Ministry/Projects/Knowledge-Management/Documents/6.pdf>

The Zenition 10 also mitigate staff shortages by delivering the speed and efficiency needed to deal with high patient throughput, enabling surgeons to treat more patients at a lower cost while helping improve patient outcomes.

What is innovative about it?

The Flat Detector (FD) technology delivers distortion-free images with superb resolution and dose efficiency for performing a wide variety of surgical procedures including orthopedic, trauma, spine, pain management, peripheral vascular, abdominal, urology and general surgical procedures.

In addition, consistent image quality is facilitated by application-specific protocols, customizable presets, and unique user profiles that automatically adjust Zenition 10 settings to suit an individual user's preferences whenever they log in.

An uninterruptible power supply allows the unit to be moved from one operating room to another without the need to reboot the entire system. While its C-arm geometry provides the maneuverability needed for operating room staff to access target anatomies.

Philips BodySmart facilitates dose efficiency by automatically adapting the measuring field to the area of interest. In addition, for images of patients with metal implants, Philips MetalSmart software automatically enhances image quality and dose efficiency while a dedicated pediatric mode automatically reduces dose rates for young patients.

What is the benefit of the innovation?

To help alleviate pressure on health systems, operating room staff shortages and rising healthcare costs, Philips Zenition 10 provides a cost-effective imaging solution for routine surgery, delivers the speed and efficiency needed to deal with high patient throughput, while being flexible enough to meet the needs of trauma, orthopedics and other areas of surgery to maximize utilization.

Find out more: [Philips Zenition 10](#)

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