

# UK's Alphenix Sky + Makes a Big Impression at Leicester's Hospitals

Ceiling mounted, double C-arm helps expand patient services and deliver greater clinical confidence.

University Hospitals of Leicester NHS Trust was the first in the UK to install an Alphenix Sky + interventional imaging system from Canon Medical. It is one of the biggest and busiest NHS Trusts in the country serving one million residents in Leicester, Leicestershire and Rutland, and employing 15,000 people. The Trust comprises three hospitals: Leicester General, Glenfield and Leicester Royal Infirmary. It works under the motto 'Caring at its Best' putting patients' experience, treatments and services at the heart of everything.

The latest Interventional Radiology (IR) systems offer clinical, financial and operational benefits to hospitals. They enable medical procedures that are less invasive with lower risk and improve patient recovery times resulting in shorter hospital stays. Greater visualisation of anatomical details at lower dose improve clinical confidence, giving earlier diagnoses and swifter treatment planning.

The Alphenix Sky + is located at the Leicester General Hospital site and is already delivering immediate benefits to patients and clinicians.

## Interventional Imaging for less invasive patient procedures

"We needed to future-proof our interventional imaging services with a new system that would give us greater reliability, better imaging resolution and further advances to expand our patient services. The Alphenix Sky + with 3D workstation ticked all the boxes," states Sarita Modi, Superintendent Radiographer at Leicester's Hospitals.

"The Alphenix Sky + impressed us

from the start. The clinical team was able to undertake a prostate embolization using cone beam CT in the first week of operation. This was a pioneering moment as we have been seeking to introduce the non-surgical procedure for some time. It will mean our patients have to travel less for the procedure."

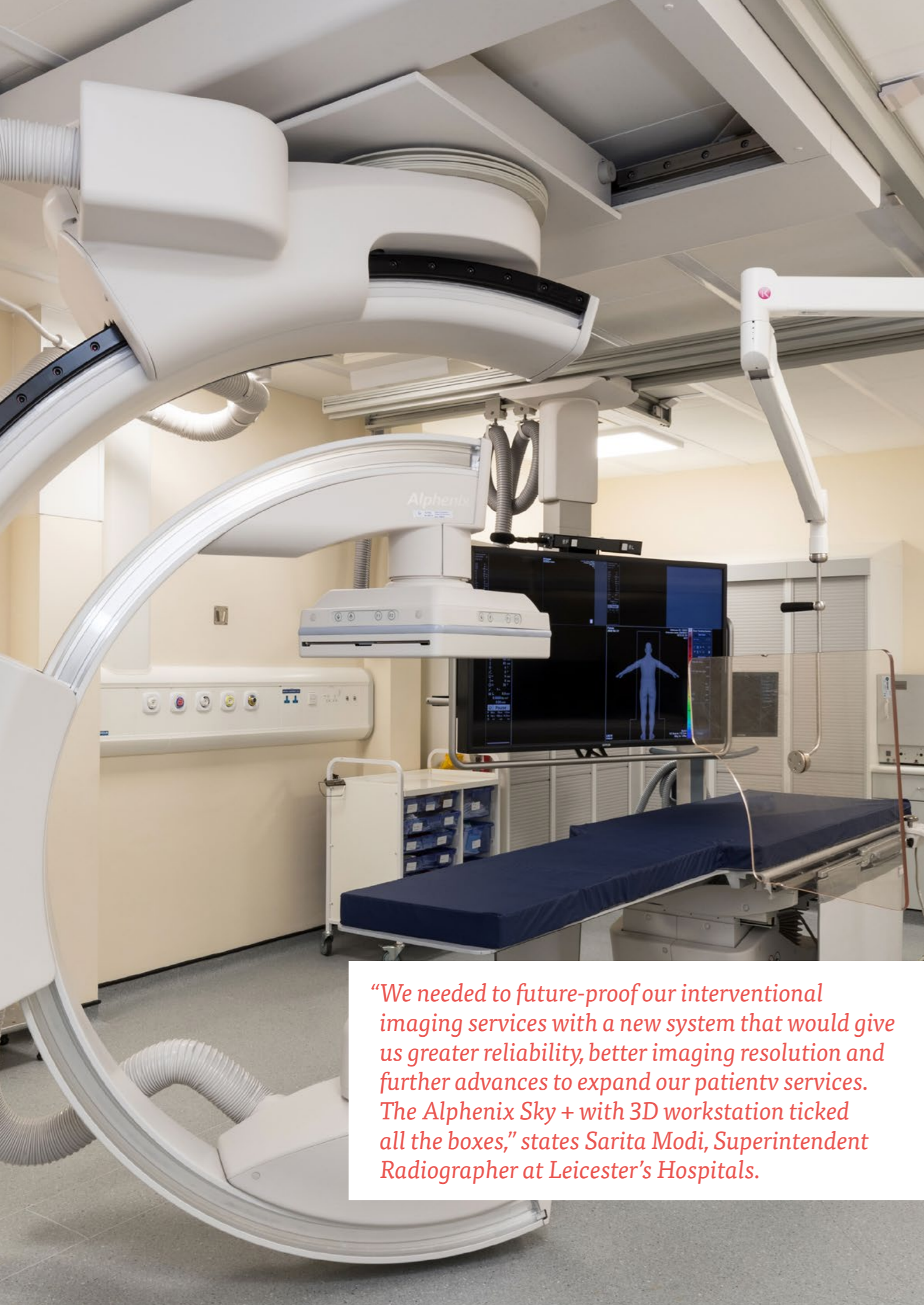
## A system that works around you – you don't need to work around it

The design of the Alphenix Sky + reflects that every patient is different, and that unrestricted access is key for expanding clinical procedures. Its 270° C-arm rotation around the table gives the greatest flexibility for patient access and procedure planning.

"The double C-arm design of the Alphenix Sky + means that we can do a CT spin from the patient's side rather than from the head and enable prostate imaging on tall patients. This will increase our imaging flexibility for a range of different procedures, and also understands the individuality of every patient we see," continues Sarita Modi.



Sarita Modi, Superintendent Radiographer at Leicester's Hospitals praises the ceiling mounted Alphenix Sky + interventional imaging system from Canon Medical following its first six months of service.



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**Unique dose tracking that makes the invisible, visible**

The Alphenix system features a unique ‘Dose Tracking System (DTS)’ that tracks X-ray beam movement and provides real-time feedback on skin dose information, mapping it visually as a simple, colour coded visual on the system interface. This advanced warning system gives quick and easy to see alerts to operators to adjust C-arm angulation, frame rate settings and

collimation to reduce skin dose.

“Early UK evaluations following the launch of the Alphenix interventional imaging system suggest the potential for a 50% dose reduction to patients when compared with replaced systems and UK National Diagnostic Reference Levels (NDRLs),” states Daniel Parr, XR Modality Manager at Canon Medical Systems UK. “The dose display is unique to the Alphenix and a giant

leap for interventional radiology in managing ionizing radiation for both staff and patients.”

Positive outcomes:

- High image quality
- Unprecedented patient access
- Streamlined workflow
- Unique dose management
- Boosts productivity
- Improved reliability //

