Excellence made easy

Philips Veradius mobile C-arm with Flat Detector –
Veradius Neo, the next generation

PHILIPS
sense and simplicity

Excellence made easy

As a surgeon you need skill and dedication to perform an increasing number of challenging interventions. Crisp, clear images are also crucial, whether you are performing open surgery or advanced minimally invasive procedures.

We help you take the next step toward excellence, allowing you to carry out complex procedures with new confidence and control. Our Veradius Neo mobile C-arm gives you and your staff the excellent image quality, ease of use, and dose management features you need.

The Philips Veradius mobile C-arm with Flat Detector will be referred to as Veradius Neo in this brochure.

True excellence at your fingertips

Veradius Neo proves that true excellence does not have to be difficult. With its optimized C-arc geometry, state of the art Flat Detector technology, and advanced dose settings, you enjoy new flexibility and comfort in performing your procedures. From minimally invasive surgery, lumbar spine decompressions and fusions to abdominal aortic aneurysm repair, neuro stimulation and more. With the Veradius Neo, you get high performance imaging and better access without sacrificing clarity or clinical flexibility.

Designed with surgeons

The Veradius Neo is the product of a collaborative effort that involved surgeons and technologists from around the world, a process that included intensive hands-on testing of prototype designs. The insights of this diverse group, representing a variety of surgical specialties, were incorporated into the design of Veradius Neo. The result is a versatile system with innovations not found on any other mobile C-arm.

Photos courtesy of St. Antonius hospital, Nieuwegein, The Netherlands

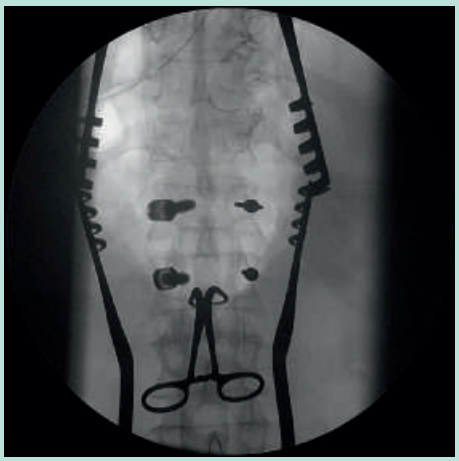
Key advantages

Excellence in orthopedic imaging means less effort for positioning and an optimized C-arc design that enables easy patient access, even with obese patients.

Excellence in cardiovascular imaging means brilliant visualization of small catheters or stents in endovascular procedures, thanks to cutting edge Flat Detector technology.

Excellence in X-ray dose management means freedom to achieve the desired image quality using excellent radiation dose efficiency.

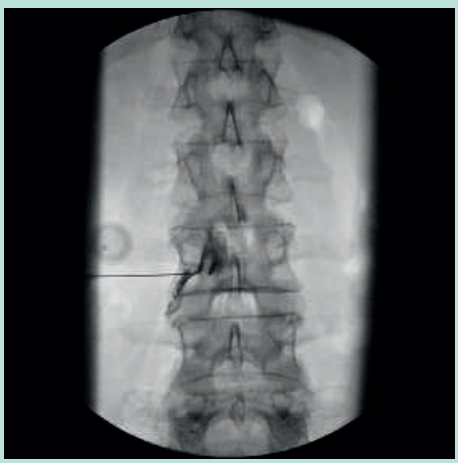
Excellence in orthopedic imaging



A.P. Thoracic/Lumbar Spine fusion

Right hip with Gamma Nail

Fracture repair of calcaneus



Lumbar Spine during pain procedure

Orthopedic procedures can be hard work, often involving many different projections from the mobile C-arm. You want a system that works simply and smoothly. Designed with orthopedic surgeons, the Veradius Neo helps you to get excellent results with less effort.

Better access

The new shape of the C-arc provides more room to easily access and image normal sized and obese patients. There is more space for the surgeon to work around patients. It is also easier to position the C-arm, even for difficult projections. You have more freedom to maneuver and reposition your instruments.

Easy positioning

The C-arc is color-coded to provide clear visual aids about system movements to simplify communication between team members. Quickly position the system with less effort with the smooth movement of the C-arc.

Color coding on the C-arm can simplify communication between the surgical team members

Distortion-free Flat Detector imaging

Visualize complex bone structures and place screws with high precision, guided by the undistorted, high contrast images that our advanced Flat Detector imaging can provide.

Seamless integration

Streamline workflow by integrating your C-arm system in the OR environment with video in and out and a wireless connection to your hospital network. External video signals, like an endoscope or ultrasound sequence, can be displayed on the Mobile View Station. Veradius Neo images can be digitally transferred to OR monitors without loss of quality. With the option of wireless networking, you can send and retrieve images from your PACS and reduce the cable clutter in your OR.

An extra pair of eyes

The extra monitor on the C-arc stand helps the operator to maintain visual control without compromising the surgeon's view of the Mobile Viewing Station.

Excellence in cardiovascular imaging

Minimally invasive procedures, such as endovascular repairs, are performed using ever smaller and more complex stents and other devices. The Veradius Neo is designed to meet these new challenges, providing distortion-free, high contrast imaging to support cardiovascular image guided interventions. Intuitive vascular workflow further streamlines complex procedures.

See more with flat detector technology

Our second generation Flat Detector system provides high quality fluoroscopy, DSA runs, and roadmap guidance to support cardiac and vascular surgeons in performing the most challenging procedures. From pacemaker lead insertions to abdominal aortic aneurysm repair, the Trixell Flat Detector delivers consistent, edge-to-edge image quality and superb contrast resolution to support critical decision making.

Streamline workflow

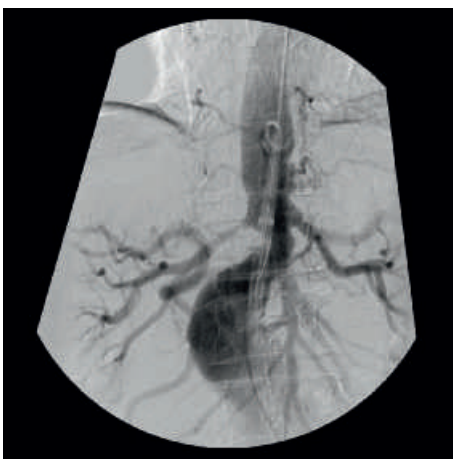
Our advanced vascular software guides you step-by-step through your vascular case, helping you easily control imaging with the foot switch and handheld remote control.

Post-procedure checks

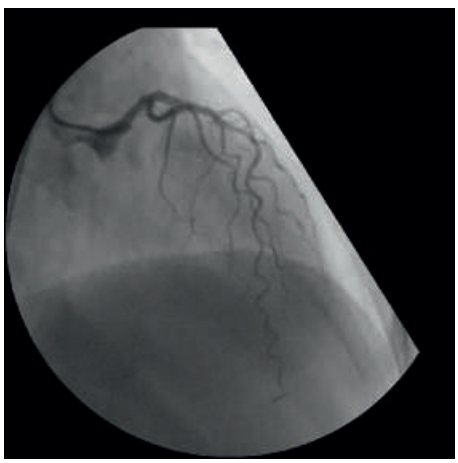
Take a high resolution digital exposure with the SharpShot feature to check device placement after procedures.

Get high penetration power for large patients and steep projections.

View dynamic transaortic aneurysm anatomy with sharp, high quality images using the pulsed exposure mode provided by the powerful 15 kw monoblock generator and rotating anode tube.



Aorta/Renal Subtraction Angio, during EVAR procedure



Left Coronary arteries

Digital AP image of a stent after EVAR procedure

Left Poplitea subtraction Angio

Excellence in

The Veradius Neo is equipped with a full range of dose management features that allow low X-ray dose when possible and superb image quality if needed.

As the first to offer a mobile C-arm, we have over half a century of experience in developing mobile C-arm systems. With every new system, we look at how we can continue to improve image quality. While enabling you to enhance your X-ray dose efficiency during the procedure.

High quality images

- Boost fluoroscopy mode – produces high quality images of virtually every patient, whatever their anatomy or size.
- Unique BodySmart software – allows free positioning of the anatomy, even at the edge of the image, by providing automatic image adjustment.
- Automatic shutter positioning – sets shutters at the touch of a button for superb image quality.
- Automatic contrast and brightness control – optimizes images in real time.

X-ray dose management

- Independent shutters – position shutters independently to better match anatomy in the field of view.
- Efficient beam filters – our beam filters increase the quality of the X-ray beam and provide superb radiation dose efficiency.
- Monoblock design – delivers sharp pulses to provide excellent radiation dose management.
- Removable grid – easily removed to visualize small anatomy and extremities with outstanding image quality and excellent radiation dose efficiency.
- Integrated laser – accurately position the C-arm without applying radiation.

X-ray dose management

Increased dose awareness

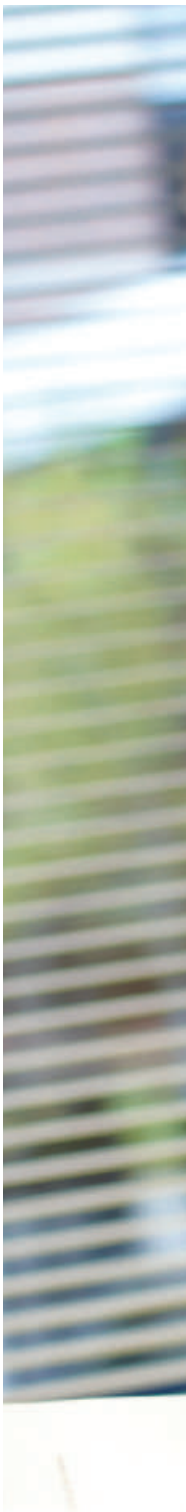
All our mobile C-arms provide radiation dose awareness features which aid in the documentation, analysis, and awareness of radiation dose in the OR. These include DICOM Structured Dose Reporting, dose indication during the procedure, and a dose alert when the examination dose exceeds a preprogrammed level.

We also offer the DoseAware* dose monitoring system. The system provides real-time feedback that is displayed during a procedure, so staff can immediately adjust working habits to decrease radiation exposure. DoseAware also provides a time-stamped record of where and when X-ray dose was acquired.

* DoseAware is not a replacement for the thermoluminescent dosimeter (TLD) as a legal dose meter.

Excellence in financial

When you invest in the Veradius Neo, you invest in the future. With our ongoing commitment to developing future safe technology, your Veradius Neo system can stay up-to-date throughout its life.



Full utilization of your system

When it comes to assessing the financial value of your mobile surgery system, it all comes down to the utility of the system. How much and how efficiently you can use it. Veradius Neo is designed to excel at both.

The Veradius Neo has been developed to support a wide range of different procedures in the OR across a wide range of disciplines:

- Orthopedics
- Vascular
- Cardiac
- GI
- Urology
- General surgery

The compact profile of the Veradius Neo flat detector frees up extra space for the orthopedic surgeon to work comfortably, even during challenging hip procedures, while its edge-to-edge imaging delivers all the anatomical coverage required for demanding AAA procedures.

You no longer need separate systems for orthopedics, vascular and cardiac procedures. The Veradius Neo is a versatile imaging system that supports all your clinical needs. To optimize performance in these different applications and to simplify use, each procedure type is supported by a dedicated pre-programmed exam set with fitting imaging parameters.

Your needs, your support

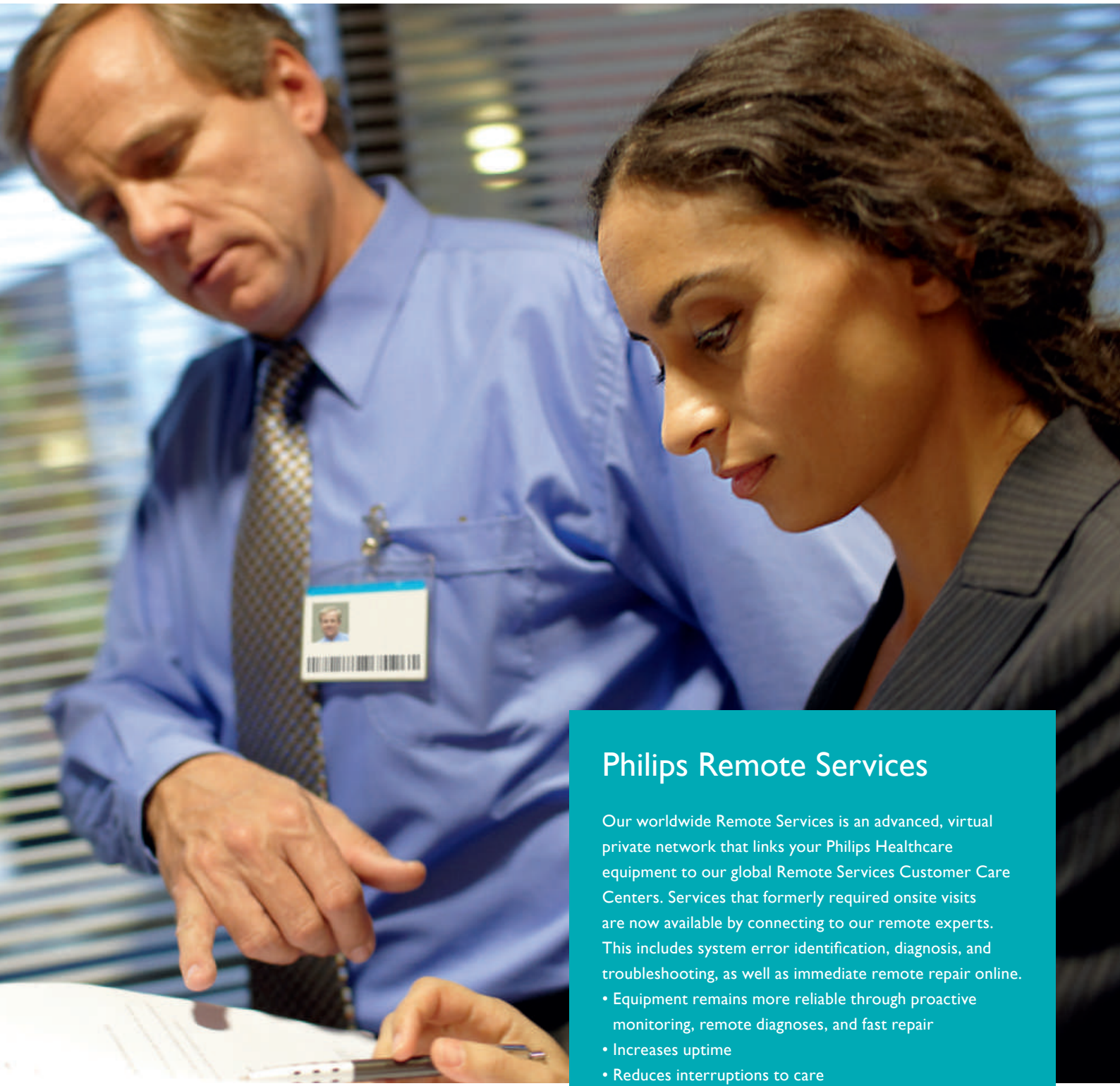
As your healthcare business changes, we are changing right alongside you. Today's healthcare providers are looking for more flexibility in the support they receive from their imaging partners. Just as our Veradius Neo is the result of a close collaborative process, our new portfolio of RightFit Service Agreements[2] have been designed from the ground up based on extensive input from healthcare providers to meet their service challenges and business priorities.

Whether you want to reduce your operational risk and equipment downtime, leverage your in-house service capabilities, or use your system more effectively. You choose the support that is the right fit for your facility. This flexible portfolio offers a range of coverage – from premium service plans to an à la carte solution for customers with in-house engineering teams – that align with your budget and internal resources.

We can also tailor a service offer as needed. And of course, as your needs change, our support is flexible enough to change with you. We are here to support you in moving forward.

[2] The RightFit Service Agreements portfolio is not yet available in all countries

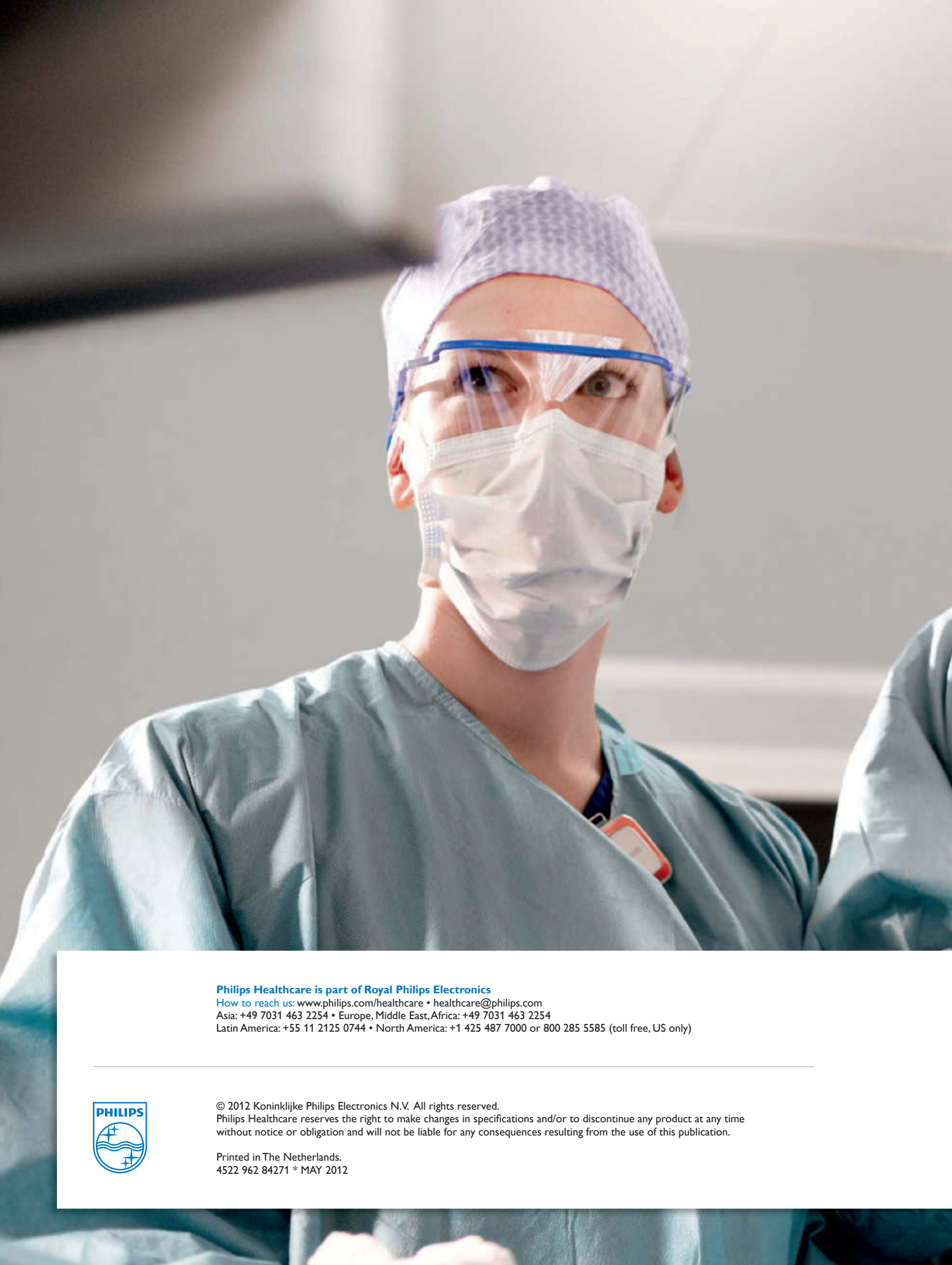
value



Philips Remote Services

Our worldwide Remote Services is an advanced, virtual private network that links your Philips Healthcare equipment to our global Remote Services Customer Care Centers. Services that formerly required onsite visits are now available by connecting to our remote experts. This includes system error identification, diagnosis, and troubleshooting, as well as immediate remote repair online.

- Equipment remains more reliable through proactive monitoring, remote diagnoses, and fast repair
- Increases uptime
- Reduces interruptions to care
- Offers peace of mind that equipment is operating at peak performance



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