Making the difference with Philips Live Image Guidance

Philips AlluraClarity family

PHILIPS
Key benefits

- Significantly reduces X-ray dose for fewer complications from radiation exposure for patients.
- Decreases scatter radiation, thereby reducing long-term health risks for physician and staff.
- Expands treatment options – enables longer procedures to treat obese and high-risk patients at a fraction of the dose.
Making the difference with Philips Live Image Guidance

Together we make the difference in minimally invasive treatment to improve patient outcomes and save lives. With our Live Image Guidance we aim to remove barriers to safer, effective and reproducible treatments, delivering relevant clinical value where it’s needed most – at the point of patient treatment.

Intelligent and intuitive integration of live imaging, patient information, and procedure based applications optimize real time therapy guidance. Our AlluraClarity family with ClarityIQ technology enables physicians to deliver fast, confident diagnosis and treatment, simplified procedures and an efficient clinical workflow. All while delivering equivalent image quality at a fraction of the dose. Build clinical reputation and increase revenues by extending your procedural mix to treat a wider range of patients while improving patient throughput. Maximize return on investment with tailored services to increase uptime and benefit from upgrades and innovations.

Together, we open doors to new procedures and techniques that truly make a difference to people’s lives while driving growth and reducing the cost of care.

Delivering relevant clinical value where it’s needed most 4
As our most powerful interventional X-ray system yet, AlluraClarity delivers clinical value where it’s needed most; at the point of patient treatment.

Lower barriers for minimally invasive interventions 6
A comprehensive and powerful range of solutions to address your clinical needs and help you open doors to new procedures and techniques.

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Transforming minimally invasive therapy

Better user experience to promote consistency and efficiency 18
We are committed to optimize the user experience to support the clinician in each of their specific procedures.

Increased economic value 24
Working with you to keep the quality of your care as high as possible, and your costs and risks as low as possible; that’s our commitment to you.
Delivering relevant clinical value where it’s needed most

As our most powerful interventional X-ray system yet, AlluraClarity delivers relevant clinical value where it’s needed most – at the point of patient treatment. With advanced Live Image Guidance, you benefit from high-definition, clear visualization of even the smallest vessels, from disease-specific tools, and from intelligent, intuitive integration of patient information.

With our AlluraClarity family, you can now perform complex procedures with accuracy and confidence.

**Greater insight and confidence in finding and treating the problem**
Our Live Image Guidance expands clinical capabilities through intelligent and intuitive integration of multi-modality images at the point of treatment. This enables confident diagnosis and real-time therapy monitoring.

**Better user experience to promote consistency and efficiency**
We are committed to optimize the user experience to support the clinicians in each of their specific procedures by combining disease centric tools, patient data and procedural protocols in a single suite. This simplifies clinical workflows and promotes efficiency.

**Lower barriers for minimally invasive interventions**
We have a long standing commitment and philosophy to reduce dose and contrast through a set of techniques, programs and practices that focus on providing excellent image quality, while maximizing the safety of patients and clinical staff in X-ray environments.

**Increased economic value**
We provide full support throughout the whole lifecycle of your interventional suite, ensuring investment protection by increasing uptime and giving you easy access to the latest upgrades and innovations. Our service contracts portfolio offers a comprehensive range of flexible coverage that aligns with your budget and in-house capabilities.
Lower barriers for minimally invasive interventions

Industry-leading image quality at a fraction of the dose

The AlluraClarity has redefined the balance between dose and image quality in interventional X-ray. How was this achieved? By drawing upon our unique imaging expertise and collaborating closely with highly critical interventional physicians around the world. At the heart of it all is our breakthrough ClarityIQ technology. It has the potential to make a difference in millions of people's lives.

What's the secret behind ClarityIQ?

ClarityIQ is a novel X-ray imaging technology that combines advanced real-time image noise reduction algorithms with state-of-the-art hardware to reduce patient entrance dose significantly. This is realized by anatomy-specific optimization of the full acquisition chain (grid switch, beam filtering, pulse width, spot size, detector and image processing engine) for every clinical task individually. The system has been optimized for all major disease areas using over a 1000 patients. In addition to patient entrance dose reduction, the image quality is improved through the use of the smaller focal spot sizes, shorter pulses and the introduction of automatic real-time motion compensation in subtraction imaging.

Industry-leading image quality at a fraction of the dose

Unique ClarityIQ technology touches every part of the AlluraClarity system from tube to display.
Helping everyone benefit from AlluraClarity
To reflect the cost pressures that modern hospitals and health systems face, we have taken steps to make this technology widely available. So as many people as possible can benefit from it. Philips customers who have an Allura Xper interventional X-ray system can upgrade to the AlluraClarity system via our SmartPath program. This paves the way to a wealth of potential benefits.

“We also have a quality assurance system that compares our radiation exposure to the patients with those of 60 other hospitals. And we are quite proud to witness also that we have the lowest range.”
Prof. Dr. med. N. Reifart, co-author of the study and Director of the Main-Taunus Cardiac Center, Private Clinic Bad Soden

Benefits
- Healthcare facilities can attract new patients, medical staff, and referrals by having the interventional X-ray system that sets a new benchmark for patient and staff
- Interventional departments can expand into longer, more complex procedures
- Interventionalists can confidently perform minimally invasive procedures on obese patients and high-risk patients, who might not otherwise be eligible for these procedures
Making the difference with Philips Live Image Guidance | Philips AlluraClarity family

Our AlluraClarity family with ClarityIQ technology is the latest breakthrough in our commitment to minimize radiation exposure for patients and clinical staff. It sets a new standard by pushing the boundaries of ALARA (As Low As Reasonably Achievable). ClarityIQ maintains equivalent image quality at a fraction of the dose. This helps improve outcomes and removes dose as a barrier to new procedures and techniques.

Additional AlluraClarity dose reduction technologies include:

“DoseAware is one of the most important tools available to help manage occupational medical radiation exposure to physicians and staff. It’s a much easier and practical way to monitor levels than conventional methods. Creating a better work environment is not only the right thing to do but our obligation.”

J. Kiah, MS, RN Lab Manager, Director Cardiac and Vascular Services, Baptist Cardiac & Vascular Institute, Miami, USA

Pushing the boundaries of ALARA

Philips DoseAware family
Real-time dose feedback to increase radiation awareness and promote less harmful working practices.

Philips DoseAware® family of real-time dose feedback tools is designed to make it easy for people working in X-ray environments to monitor their radiation exposure in daily work and adopt less harmful working practices.
DoseAware Xtend – dedicated room solution
DoseAware Xtend® is a dedicated solution for rooms with Philips FlexVision XL display. Its integration with the Allura X-ray system allows it to provide detailed feedback on scattered X-ray dose levels per procedure.

Increases radiation awareness
• Gives you the cumulative amount of X-ray dose received right after each procedure
• Reminds you to take secondary lead precautions
• Sends you weekly or monthly reports automatically on your procedure-based staff dose to help you identify your individual exposure trends
• Sends procedural data on X-ray dose in DICOM RDSR format to PACS or RIS to simplify data analysis

DoseAware – flexible solution for different rooms
DoseAware can be used in any X-ray room to provide real-time feedback on scattered X-ray exposure so staff can immediately adjust their working habits to manage radiation exposure.

Advantages of a real-time dose meter
• Gives you the information you need to manage your own X-ray dose exposure
• You see when and where X-ray dose was acquired so you can act appropriately
• You can easily check your exposure level on the colored display in the examination room
• Facilities can archive, report, and analyze radiation data to maintain high levels of occupational safety

Together we can make a difference to the health of medical professionals who work in the interventional environment.

DoseWise
Our long standing commitment to reducing dose is founded in our DoseWise philosophy. DoseWise is a set of techniques, programs, and practices that supports excellent image quality, while protecting people in X-ray environments. It’s a philosophy that drives Philips to develop innovative new strategies in dose management.

* DoseAware does not replace the thermo luminescent dosimeter (TLD) as a legal dosimeter.
Greater insight and confidence in finding and treating the problem

**Transforming minimally invasive therapy**
The AlluraClarity family is based-on our industry-leading Live Image Guidance. Enabling fast and effective treatments, this advanced technology helps you to transform minimally-invasive therapies. With specific solutions for the treatment of cardiac and vascular diseases, you can expand your treatment options, while optimizing your interventional lab.

Our Live Image Guidance is complemented by advanced interventional tools, seamlessly integrated into the AlluraClarity family, to support your clinical workflow.

Further support is provided by our comprehensive clinical, technical and education programs. Strong partnerships with a worldwide network of clinical experts and customers have driven development of our Live Image Guidance. This has given us the opportunity to quickly address your changing needs and deliver truly meaningful innovation where it really matters – at the point of patient treatment.

Together, we drive growth and open doors to new procedures and techniques that truly make a difference in people’s lives.
Coronary angiography study
Radboud University Hospital, Nijmegen,
The Netherlands and Main-Taunus Cardiac Center,
Bad Soden, Germany
The ClarityIQ images, acquired using less dose, were of diagnostic quality with all patients.

In this study, conducted between September and November 2012, diagnostic angiography images of the left coronary artery of 39 patients with a BMI range of 20 – 37 were compared. Six independent interventional cardiologists from across Europe (Italy, France, Germany, The Netherlands and Sweden) then evaluated the image quality of these scans, and concluded that compared to conventional X-ray technology, AlluraClarity provided equivalent image quality at 50% less X-ray dose. The dose reduction decreased the likelihood of sporadic effects of radiation for the cath lab personnel, while exposing the patients to considerably lower X-ray/dose levels as well.

“Such a significant reduction in X-ray dose benefits both patients and the staff managing their care. Now that we are using AlluraClarity, we have become much more conscious about X-ray radiation dose.”
Dr. T.J.F Van Cate, UMC Radboud, Nijmegen, The Netherlands

Cardiac diseases
Quick and easy access to enhanced visualization and live navigation through soft tissue anatomy ultimately helps physicians to determine the optimal course of treatment with greater confidence. From routine coronary heart disease to the most complex structural heart disease, congenital heart disease, cardiac surgery, and ablation procedures, our Live Image Guidance solutions provide assistance.

The AlluraClarity family with ClarityIQ technology enables clinicians to deliver fast, effective, and simplified procedures with an efficient clinical workflow. With AlluraClarity you can also realize equivalent image quality with 50% less dose and as a result reduce staff exposure.

XperSwing
Achieve all desired anatomical views in a single X-ray run for a complete visualization of complex coronary vasculatures. As a result, this also helps reduce contrast dose and radiation exposure.

StentBoost
Assists in the apposition and deployment of a stent.

Integrated solutions
Gain immediate access to all required information such as hemodynamics, FFR, IVUS, OCT in an easy and direct way.

EchoNavigator
An intuitive combination of live X-ray and live echo

HeartNavigator
Simplifies planning, device selection, and choice of optimal X-ray viewing angle.

CX50
The only high-performance, compact ultrasound system that is seamlessly integrated with the AlluraClarity platform to enhance workflow. Also available with live 3D-TEE and ICE at tableside.
**Congenital heart disease**
In pediatric imaging, you cannot sacrifice critical image quality or anatomic information that would affect the most advantageous course of treatment for procedures like aortic coarctation or ventricular septal defect. In our Live Image Guidance solutions, high quality imaging is tuned to small patient weights in order to manage radiation dose.

Our AlluraClarity family of X-ray systems with ClarityIQ technology delivers high image quality at low dose levels. Pediatric specific tools offer enhanced precision, predictability, confidence, and clarity.

**Biplane solutions**
Our unique double C-arc allows steep lateral projections for complex anatomy without compromising accessibility.

**3D-RA**
3D visualization in a single rotation for assessment of complex anatomical structures, allowing you to plan the optimal therapeutic approach.

**3D MR/CT Roadmap**
Live overlay on 3D MR/CT Roadmap improves visualization of anatomical structures and device navigation – and helps reduce contrast-induced complications to pediatric patients – by re-using preoperative CT or MR angiographic images.
**Electrophysiology study**  
**Catharina Hospital, Eindhoven, The Netherlands**

The Catharina Hospital in Eindhoven, The Netherlands carried out a clinical study involving the treatment of 136 patients with complex heart rhythm disorders such as atrial fibrillation (AF).

Using the innovative AlluraClarity system with ClarityIQ technology, developed by Philips for use in image-guided catheter-based interventions, electrophysiologists at the Catharina Hospital were able to reduce patients’ exposure to X-ray radiation during the procedure by 42% while maintaining high image quality. At the same time, the electrophysiologist’s exposure to X-ray radiation was reduced by 50% to only 3 μSv per procedure – approximately one thousandth of the average natural background radiation dose (2 - 3 mSv) that most people in The Netherlands are exposed to each year.

**Cardiac arrhythmia**

Whether performing an ablation or implanting a CRT device, understanding and navigating through cardiac structures can be challenging. Long procedure times make it crucial to reduce radiation exposure for patients and staff. And with the need to handle many different types of equipment, establishing an efficient workflow can be far from trivial.

Our AlluraClarity family with ClarityIQ technology delivers equivalent image quality at a fraction of the dose, even in long procedures.

**EP navigator**

Intuitive 3D catheter guidance using precisely registered 3D cardiac anatomy and 2D fluoroscopy images. Its utility has been demonstrated in clinical studies.1,2,3,5

**EP Cockpit**

Easy operation of multi-vendor equipment in the control room, and flexible viewing in the exam room.

**Equipment rack**

Clutter-free integration of 3rd party equipment.

**3D rotational scan**

Advanced 3D imaging to acquire accurate LA-PV anatomy at the precise time of the procedure with optimized scan trajectory.4

"In the past we have struggled with larger patients but now the Clarity and non-Clarity images look the same but the Clarity images are at much lower dose."

Specialist radiographers Chantel Brooks and Kelly Finley, Nottingham University Hospitals, NHS Trust, UK
Treating vascular diseases
Work with confidence to determine the optimal course of treatment for vascular diseases. Leverage multimodality Live Image Guidance and 3D data to quickly assess the nature and location of pathology, like vascular occlusions, and reveal hidden complexities to initial treatment strategy.

Endo-vascular interventions
Our Live Image Guidance solutions deliver critical information to optimize real time guidance through complex vasculature and visualize tissue perfusion to identify treatment end-point in peripheral vascular interventions. This results in a correction in the initial treatment strategy in up to 60% of the cases in patients with critical limb ischemia and non-healing tissue lesions. Whether treating critical limb ischemia or embolizing a uterine fibroid, our AlluraClarity family with ClarityIQ technology enables physicians to deliver fast, effective and simplified procedures with an efficient clinical workflow. All while delivering equivalent image quality at a fraction of the dose.

CX50
The only high-performance, compact ultrasound system that seamlessly integrates with the AlluraClarity platform to enhance workflow.

MR/CT Roadmap
Navigate through complex vasculature with live 3D image guidance by re-using CT or MR angiography images.

2D Perfusion
Evaluate severity of the stenosis by analyzing perfusion behavior pre-intervention. You can also quickly verify the effect of revascularization post-intervention.

Peripheral vascular study
St. Antonius Hospital, Nieuwegein, The Netherlands
The interventional suite at St. Antonius Hospital uses the Philips AlluraClarity X-ray system for vascular interventions. This facility is a tertiary referral center for vascular diseases and pulmonary arteriovenous malformations (PAVMs), and it conducted a clinical trial to validate AlluraClarity for vascular interventions.

Dr. Marco van Strijen, interventional radiologist says, “We have performed 50 iliac cases for this trial with the ClarityIQ technology and the images look the same as what we were used to. The best part is that we use ClarityIQ and it works just like our normal interventional system. We don’t necessarily realize we are even using it.”

Radiation levels are a major concern during these procedures because the center tends to treat patients that have quite extensive diseases. These are in general quite complicated cases that necessitate long fluoroscopy time as well as a fair number of DSA runs. Because of the high volume of procedures that the interventional radiologists perform, they tend to be at the upper limit of what is legally allowed for radiation exposure.

“Results show that ClarityIQ offers major advantages for these interventions because we can perform our procedure exactly as we normally would, but with 83% less radiation exposure.”
Dr. Marco van Strijen, interventional radiologist
Oncology interventions
In interventional oncology, the challenge is to treat the entire tumor and its feeder vessels without affecting healthy tissue or organs. Our Live Image Guidance solutions help optimize intra-arterial interventions by delivering enhanced lesion detection as compared to standard DSA\(^2\) and comparable to MR\(^3\) and conventional CT with less dose\(^4\). Visualize and understand the nature and location of the lesion to effectively plan the most appropriate treatment. Leverage 3D information to reveal small Hepatocellular Carcinomas (HCCs) and their feeding arterial anatomy\(^5\) and to provide early intra-op assessment of therapy response after trans-arterial chemo-embolization with drug-eluting beads (DEB-TACE)\(^6\). Whether you are ablating or embolizing a tumor, our AlluraClarity family with ClarityIQ technology enables physicians to deliver fast, effective and simplified procedures with a more efficient clinical workflow. All while delivering equivalent image quality at a fraction of the dose.

XperGuide Ablation
Plan optimized tumor coverage by visualizing the thermal characteristics of the ablation device.

XperCT dual
Provides lesion information comparable to gold standard CE-MRI\(^6\)

3D Roadmap
Identify and target feeding tumor vessels on 3D Roadmap.
Neurovascular study
Karolinska University Hospital, Stockholm, Sweden
The results were overwhelmingly positive. Physicians described the image quality of the ClarityIQ technology DSA run as 'excellent' 90% of the time.

This independent study was conducted in the interventional neuroradiology department at Karolinska University Hospital during 2011. A group of patients underwent aneurysm repair and arterio-venous malformation treatment, as well as other interventions. These procedures are among the most demanding in the interventional neuroradiology world, requiring images which show very fine anatomical details. This study demonstrated an equivalent diagnostic image quality in digital subtraction neuro-angiographic exams at an average of 73% lower X-ray dose compared to the previous default settings.

“A quantum leap in reducing the dose and thereby improving the procedure for patients and us.”
Dr. T. Andersson, interventional neuroradiologist, Karolinska University Hospital

Neuro interventions
Whether visualizing the smallest intracranial vessels, precisely placing a flow diverter, treating a stroke patient, or working slowly through a complex AVM, the goal is to see clearly and navigate effectively, while managing safety for your patients, staff, and yourself.

Our AlluraClarity family with ClarityIQ technology enables physicians to work efficiently, while delivering equivalent image quality with a 73% reduction in dose.

FlexVision XL
See sub-millimeter perforators and vessels at the capillary level in 2D and 3D. Flexible switching of video sources, as well as easy switching of screen layouts and image sizes from the table-side, enhances workflow.

VascoCT
Visualize location, size and direction of an occlusion when dealing with an ischemic stroke.

Roadmap Pro
Confidently navigate in 2D with customized settings for each endovascular material.

MR/CT Roadmap
Navigate accurately in 3D using real-time, motion-compensated MR/CT images.
Hybrid suite
With the true Hybrid Suite from Philips, you can perform a full range of procedures – from endovascular to hybrid to minimally-invasive or open surgery – in a single room, virtually without compromise. Move from EVAR stenting to a TAVI case or a Neurosurgery procedure and perform endo-vascular as well as hybrid and open surgery in a single suite.

Our FlexMove simplifies procedures and the transitions between them to improve lab utilization while our AlluraClarity family with ClarityIQ technology enables physicians to deliver fast, real time therapy guidance with equivalent image quality at a fraction of the dose.

FlexMove
With FlexMove, you can easily move the C-arm anywhere it’s required around the table – and then conveniently park it out of your way entirely when it’s not required during open surgery and minimally-invasive procedures. This gives the team more room to work around the patient and frees up the head area so the anesthesiologist can work here with greater ease. Features like these, combined with the low dose levels possible with AlluraClarity, means long and often complex procedures can be carried out with a high degree of comfort by large teams.

3D guidance
Through innovations like 3DRA, XperCT, MR-CT Roadmap and HeartNavigator you can work with new confidence. By having access to high-quality images, unique 3D capabilities and innovative imaging solutions, you have invaluable support in the planning, visualization, and live guidance of even the most challenging procedures.

Allura with MAGNUS table
The Allura/ MAGNUS combination seamlessly integrates best-in- class interventional X-ray with a best-in-class OR table for a truly multifunctional room suitable for conventional surgery, hybrid surgery or interventions. The Allura and MAGNUS table are completely synchronized, so you benefit from automatic position control (APC), bolus chase procedures and 3D software tools.
Better user experience to promote consistency and efficiency

Our AlluraClarity family offers a powerful and comprehensive range of solutions to address all your clinical needs – opening the doors to new procedures and techniques.

**AlluraClarity FD10/10 suite**
The AlluraClarity FD10/10 allows you the flexibility and quality required to treat congenital heart disease and carry out complex electrophysiology procedures. Dedicated ClarityIQ EPX dose settings help you achieve low radiation dose and the excellent image contrast to visualize low inherent tissue contrast or tissue density of patients.

**AlluraClarity FD10 suite**
The AlluraClarity FD10 is designed for your complex PCI, structural heart and electrophysiology procedures. You gain valuable insight and efficiency through a wide array of advanced interventional tools. Our unique G-shaped stand increases speed and provides excellent patient access. It allows you to reach the groin without repositioning, facilitates a wide range of projections, and provides full body coverage. It can also be parked out of the way to further free up patient access.

**AlluraClarity FD20/15 suite**
The AlluraClarity FD20/15 is the world’s first interventional X-ray solution that offers a PerfectFit design to overcome the unique challenges of neuro interventions. It pairs a 16 bit 20 inch frontal detector with a 16 bit 15 inch lateral detector. This PerfectFit design allows the lateral detector to be positioned close to the patient’s head while providing full brain coverage. This design enhances your treatment capabilities and supports more effective device guidance and placement in every neuro procedure.

**Hybrid suite**
The AlluraClarity family is designed for your hybrid surgery lab, combining the capabilities of an endovascular suite with all the requirements of the OR environment. You’ll find optimum patient accessibility and full body coverage for procedures like TAVR and EVAR, combined with the flexibility to easily convert from an endovascular to an open surgery procedure.
AlluraClarity FD20/10 suite
Get a clear view for the full spectrum of cardiac and vascular interventions with the Philips AlluraClarity FD20/10 biplane X-ray system. It combines the proven stable geometry of the AlluraClarity family with our superb flat detector image quality to give you the clearest possible view. This system can be beneficial when treating elderly and renal insufficiency patients. A full range of advanced interventional tools provide advanced image guidance to support decision making and optimize risk management.

Flexibility in patient supports
Our Allura Xper tables have ‘feather-light’ free-floating table tops. They combine single-finger push-to-pivot movement and effective store/recall positioning with excellent stability for CPR and easy patient transfer thanks to the lower height adjustment. The cradle and tilt options further enhance visualization for gravity-oriented or puncture procedures, while keeping the region of interest centered in the X-ray beam. Our AlluraClarity system can be seamlessly integrated with the MAQUET MAGNUS OR table as well. (See page 19).

AlluraClarity FD20 suite
With true full 2k (2,048 x 2,048) imaging for excellent quality, the AlluraClarity FD20 supports a full range of cardiovascular, radiology, and oncology interventions. A true multi-purpose system, it accepts a broad range of integrated 2D and 3D software tools.
FlexMove: get more out of your Hybrid suite

With the shift away from open surgical procedures towards minimally-invasive surgery, the Hybrid OR must accommodate the broadest range of procedures. Our solutions allow you to perform a full range; from endovascular and hybrid to minimally-invasive or open surgery. All in a single room, and virtually without compromise. Your entire medical team can work smoothly together and quickly adapt the room to the different set-ups required for diverse procedures. All in all, our Hybrid OR with advanced Live Image Guidance can help you break new ground in hybrid procedures and make the difference where it really matters – at the point of patient treatment.
Our touchscreen tableside module is very easy and intuitive to use. Settings can be customized per doctor or exam so that only the required buttons and items are displayed. You can easily control all interventional tools and other third party devices from the tableside. And the modules can be installed on any side of the table, including at its foot-end.

“We are delighted with the way the FlexMove ceiling suspension allows you to bring the imaging system to the table, the way you can park it away from the table, the way you can rotate it, and the way you can bring it to exactly the position you want.”

Prof. Mario L. Lachat M.D.
“The XperGuide workshop completely matched my expectations. I really feel confident performing needle-guided interventions myself, thanks to the hands-on training given by a knowledgeable colleague.”

Dr. Harsh Rastogi, radiologist, India
Extend the reach of your interventional practice

Helping you develop and motivate a best-in-class staff
Our comprehensive clinical, technical and education programs are designed to help you take full advantage of our Live Image Guidance solutions. They make it easier for you to learn complex topics, while contributing to your personal development and performance.

Through our training helps you to better master clinical procedures, get more out of the equipment and build professional and clinical skills. This has a number of advantages. Better-trained staff improve the overall level of service and operation in a healthcare facility. More knowledgeable personnel have a higher chance of obtaining accurate results, assuring patient safety and helping meet regulatory requirements. These are all tangible ways of reducing your business risk.

We have education programs for all kinds of healthcare professionals, ranging from nurses and radiologists to echographers and physicians. These can take place at a Philips Healthcare Academy campus, on-site at your healthcare facility by a Philips specialist, or through a combination of the two. In addition, it’s possible to receive training wherever and whenever it suits you through our on-line Learning Center.
Increased economic value

Our commitment to you
We are dedicated to helping you keep the quality of care as high as possible – and your costs and risks as low as possible.

When your healthcare facility purchases a new interventional suite you are making a long-term commitment to your patients and personnel. We too have a long-term vision for interventional imaging, supported by an extremely comprehensive portfolio of service options.

Enjoy new control and confidence in your integrated environment
Whatever your needs or preferred partners, we can help you design an interventional room that meets your critical needs. Our comprehensive design and project teams have designed thousands of interventional rooms and hybrid ORs around the globe, and they can simplify the entire process from initial idea to realization. Based on your procedures, case load and clinical workflow, we work closely with our alliance partners and other third-party vendors to create an integrated design. It can incorporate lights, equipment booms, monitors, radiation protection, other imaging systems, gas, IT and any other specific equipment required.

Philips and Royal Hospitals share risk for new facility
The Royal Hospitals in Northern Ireland chose Philips to equip and manage a new £25 million Imaging Centre with the very latest technology at a predictable and affordable annual fee for a period of up to 15 years. Philips’ managed service approach provides a performance-based service that allows the hospital to treat its technology as an operating expense. This solution frees up valuable capital and minimizes any down time due to equipment failure, which helps the hospital meet its challenging targets.
“We have a marriage with Philips and we will not easily change to another partner. They trust us and I trust them, and that works well for both of us.”

Dr. A. Borthne, director of radiology, Akershus University Hospital, Norway
Supporting your vision

Whether you want to reduce your operational risk and equipment downtime, leverage your in-house service capabilities or use your system more effectively, you simply choose the support that is the right fit for you. Our flexible portfolio offers coverage – from premium service plans to an à la carte solution for customers with in-house engineering teams – that aligns with your budget and internal resources. We can also tailor a service offer as required. And of course, as your needs change, our support is flexible enough to change with you.

We offer the core services listed below – and more – individually, as part of a RightFit Service Agreement*, other service agreements or other managed services program:

- Maintenance Services – remote and on-site services, proactive monitoring and multi-vendor services
- Education – applications education, continuing clinical education and technical service education
- Consulting – performance improvement, project and change management, utilization and process optimization
- Ambient Experience – room solutions and design consulting
- Finance Solutions – custom financing for technology acquisition
- Turn-Key Solutions – from room design to complete project management and integration with all internal and external parties
- Product Lifecycle Solutions – through updates, upgrades, accessories, trade-in options and refurbishing programs; you always have easy access to the latest innovations throughout the lifecycle of your lab.

*The RightFit Service Agreements portfolio is not yet available in all countries
We needed a strategic partner who could keep us up to date with the rapidly changing technological developments. Philips Healthcare was the obvious choice.”

Drs. R.E.A. Gaffin, member of the board, Orbis Medical Center, Sittard Geleen, The Netherlands

Manage your investment
Philips SmartPath is our long-term promise to give you easy access to the latest innovations throughout the lifecycle of your imaging system.

• Optimize: software and hardware updates to help improve your system performance.

• Enhance: new functionality, clinical innovations and workflow efficiencies to expand your capabilities.

• Transform: conversion or full replacement of existing systems to next-generation solutions helps you maintain your competitive edge and high quality of patient care.

Sustainability
Making your business more sustainable is not only about recognizing the needs of future generations. It leads to a safer environment, improved workflow, lower costs and state-of-the-art patient- and people-focused solutions.

At Philips, we try to simplify healthcare by combining our unique clinical expertise with human insights. This allows us to develop innovations that ultimately help improve the quality of people’s lives. At the same time, we strive to deliver sustainable healthcare by providing solutions that help you make the best use of your resources, from people and buildings to financial and natural resources.

With our Live Image Guidance solutions, we help shorten procedure times, which adds value from an economic, environmental and social perspective for your patients and organization. Our SmartPath program is another perfect example how we focus on enhancing the lifecycle of our products and thus reducing environmental impact and maximizing your investment while giving you access to excellent technology.

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