

PHILIPS

Computed
Tomography

CT 5100 – Incisive



Precision at every step





Smart workflow from the start

At Philips we believe in working together to break down boundaries, remove complexity, and deliver a seamless approach to healthcare. In imaging, that means seamlessly connecting data, technology and people. Our integrated imaging solutions for diagnosis and treatment are enabling more connected care and more confident clinical decision-making. Because today, health knows no bounds and neither should healthcare.

Connecting data and technology to empower the people behind the image

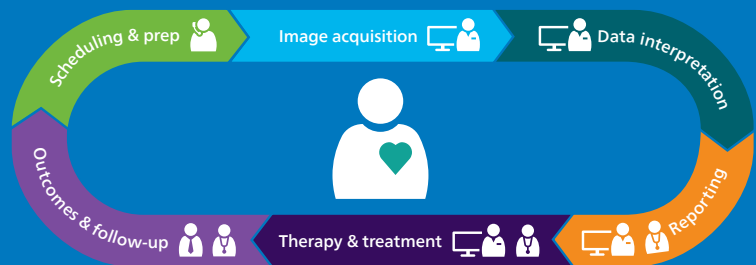
Imaging is all about providing accurate information to guide better patient care. But in order to create more value for patients, the elements that form the imaging enterprise have to work together better.

We see imaging as an integrated system in which data and technology must connect intuitively and automatically

to empower the people who rely on them. By focusing on the specific needs of the people behind the image, we can address the most pressing needs of imaging today: to simplify data and insight gathering for clinicians; create a better experience for patients and staff; lower costs for administrators and health systems; and above all, achieve better treatment and outcomes for patients.

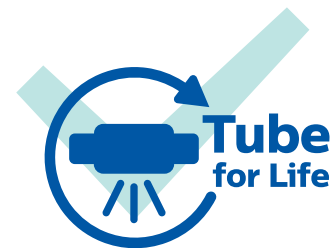
A systems view

Creating a seamless care environment requires meeting the needs of the people behind the image – patients, technologists, radiologists and administrators – with meaningful solutions to address their biggest challenges.



Industry firsts keep you ahead

CT 5100 – Incisive CT features industry firsts such as the Tube for Life guarantee* and CT Smart Workflow with AI that's deeply embedded into tools you'll use every day for speed, consistency and diagnostic confidence.



Smart decisions every step of the way

Elevates your business

Reduce operational costs and meet financial objectives.

- Tube for Life guarantee* to lower total cost of ownership
- Stay up-to-date with Technology Maximizer
- Expansive in-room upgradeability

Delivers intelligence that adapts to you

Use AI to speed workflow and aid diagnostic confidence.

- Do more from the scanner with OnPlan patient-side gantry controls
- CT Smart Workflow improves the experience from the start of the scan through reconstruction and review
- IntelliSpace Portal offers a rich portfolio of applications for advanced visualization

Brings predictability to an unpredictable world

Reduce downtime and improve efficiency and care.

- Remote services with proactive monitoring including vMRC Smart Card to keep you up and running
- PerformanceBridge for continuous improvement solutions
- On Demand Clinical Support is your vehicle for clinical real-time collaboration at your fingertips with Philips clinical experts.

*Life of the product is defined by Philips as 10 years. Tube for Life guarantee availability varies by country. Please contact your local Philips sales representative for details.



Elevate your business

The costs that keep you up at night

Think about no longer having to worry about tube cost in your day-to-day operating budget, proactive monitoring to reduce downtime and unexpected service costs, and also knowing that your CT system always has up-to-date technology and that you can upgrade your system as needed.

We're bringing new ways to help you stay competitive in your market, managing operational costs while you work to optimize patient care.

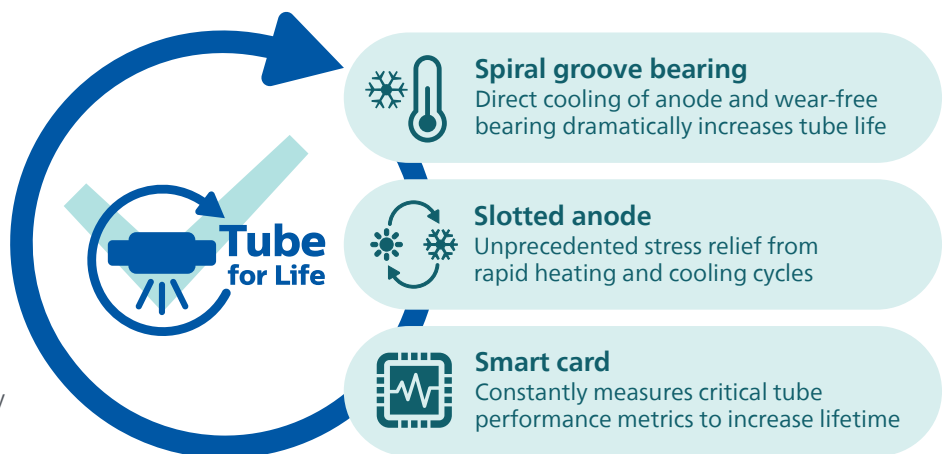
Tube for Life guarantee*

Unprecedented approaches to help lower operating costs.**

We believe so strongly in the reliability of the vMRC tube that we'll replace it, if necessary, over the entire life of the system* at no cost to you, helping you keep control of operational costs.

German excellence that stands the test of time

The vMRC tube is made and rigorously tested at the Philips Innovation and Manufacturing Center of Excellence in Hamburg, Germany.



*Life of the product is defined by Philips as 10 years. Tube for Life guarantee availability varies by country.

Please contact your local Philips sales representative for details.

**Actual operating costs for customers vary significantly because many variables exist (such as CT make and model, hospital/imaging center size, case mix, system usage). The potential savings identified estimates the avoidance of purchasing replacement tubes over a 10-year useful life of a CT system, based on an average selling price of \$140,000 per replacement tube and estimated tube life of 3 years. There can be no guarantee that all customers will achieve this result.



Maximize your investment with Philips Technology Maximizer

Keeping technology up to date can be difficult. Let us help boost the clinical capability and operational performance over the life of your CT 5100 – Incisive system with Philips Technology Maximizer.

Benefits

Predictable budget	Predictable costs that keep your system up to date
Stay competitive	Automatically access innovation upon release instead of buying each new enhancement separately
Nonobsolescence	Stay protected from obsolescence and be first to market with innovations
Capex to Opex	Avoid repeated capital investments and approvals over the life of your system

Stay competitive

Technology Maximizer is a software and hardware refresh program that keeps your CT equipment like new for up to five years after installation. Technology Maximizer for CT is an optional service offered in tandem with our RightFit Customer Support Agreement*.

Tailored financing solutions in line with your cash flow needs, budgets, and business strategy

Providing access to best-in-class healthcare is a leading priority for facilities like yours around the globe. At the same time, financial security and protecting your assets

over time are also high on the agenda. To manage your financial challenges, you need to know whether your healthcare investments are sustainable - and how to get the most from your equipment. Financing your CT 5100 – Incisive helps you exchange variability and unpredictability for visibility and certainty. This helps you avoid the burden and risk of upfront expenditures and benefit from transparent, predictable cost structures. As a result, you can manage and plan budgets more efficiently and free up capital that would otherwise be tied up in fixed assets.

*Technology Maximizer is available with eligible RightFit Service Agreements.

Delivers precision that adapts to you

How do you consistently maximize your CT capabilities?

What if a CT solution allowed for smart clinical decisions at every point, allowing you to do more from the patient's side with faster time to results and greater consistency among users?

We're bringing new ways to help you stay competitive in your market, managing operational costs while you work to optimize patient care.

84% of users agree that patient-side gantry controls have improved patient satisfaction¹

OnPlan patient-side gantry controls

Advanced and easy-to-use tools for positioning and protocol selection are designed so that the majority of tasks needed to set up and end the scan can be completed right at the patient's side. The technologist can stay close the patient, providing a calming influence and improving the patient experience.



Two OnPlan gantry touch panels allow you to do more at the patient's side.



Easily move the couch by touching the panel screen and swiping in the direction of desired movement.



On-Demand Clinical Support is included with every system



OnPlan enables reduced time to results¹

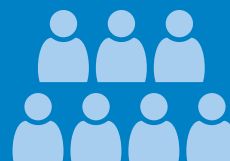
91%

of users agree that OnPlan enables more consistent results between users¹



48%

of users agree that Incisive workflow allows for at least 7 more patients per day¹



*Based on a study performed at Oz Radiology Group, Queensland, Australia. Results from case studies are not predictive of results in other cases. Results in other cases may vary.



Philips IntelliSpace Portal 12 is an advanced visualization platform that offers a single integrated image post-processing solution to help physicians perform quantitative analysis – especially in complex cases and follow-up.

All of your advanced analysis needs in one comprehensive solution with IntelliSpace Portal 12



Intelligent

First-time right clinical insights designed to support your diagnostic confidence



Automated

Reduce time to report through optimized workflows and results automation



Connected

Scalable AV platform seamlessly integrated within your enterprise



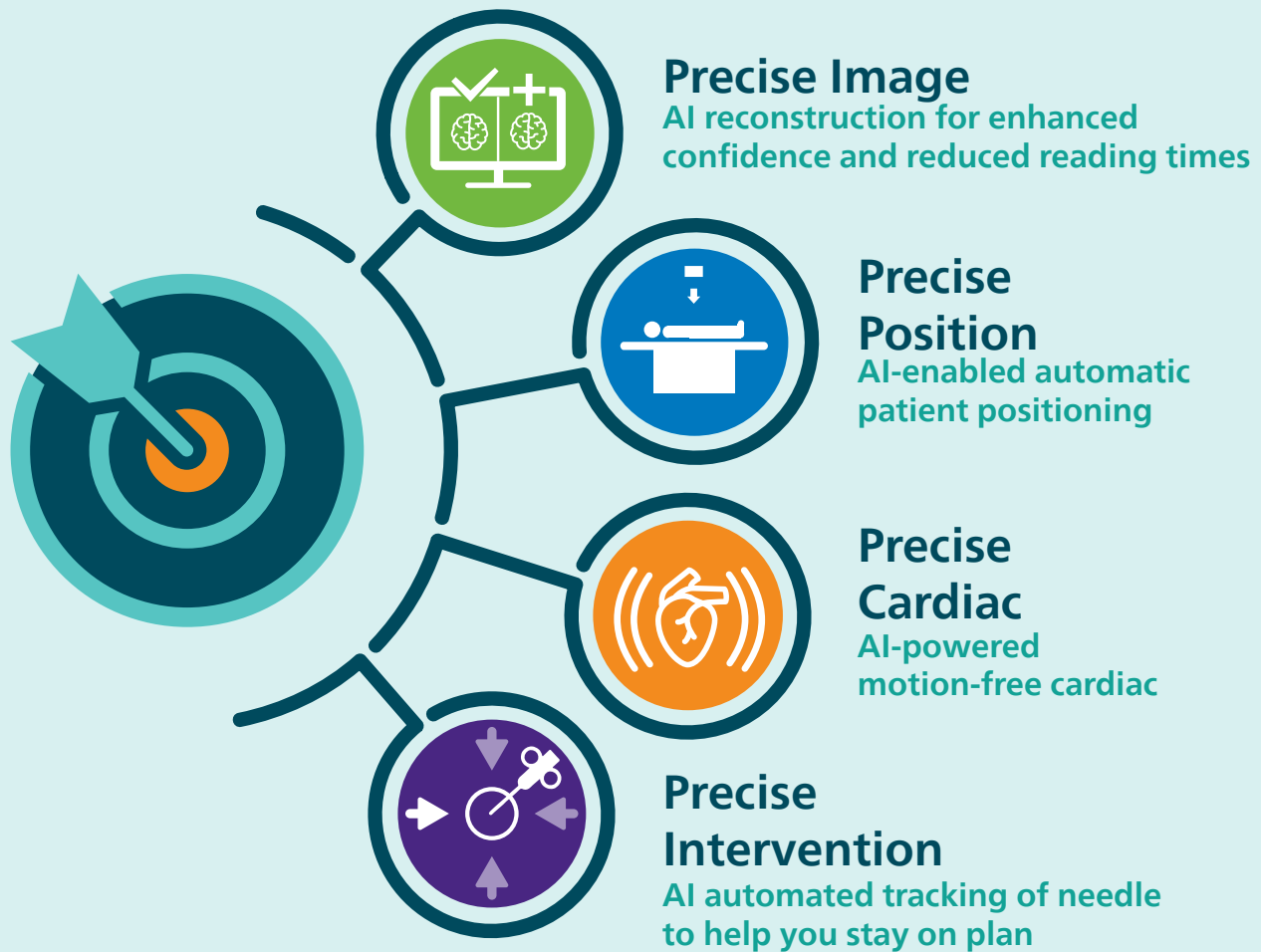
Precision every day

CT 5100 – Incisive with CT Smart Workflow

Philips CT 5100 includes AI that's deeply embedded into the tools you use every day so that you can apply your expertise to the patient, not the process.

Remove common obstacles to CT performance, clearing the way for the precision in dose, speed and image quality that helps set you apart. CT Smart Workflow can improve the experience from the start of the exam through reconstruction and review.

CT Smart Workflow





Precise Image

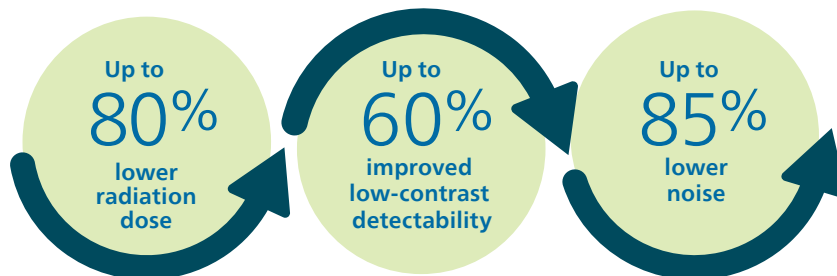
Precise Image puts the power of a deep learning neural network to work for you and helps reduce reading time.

Speed, and so much more

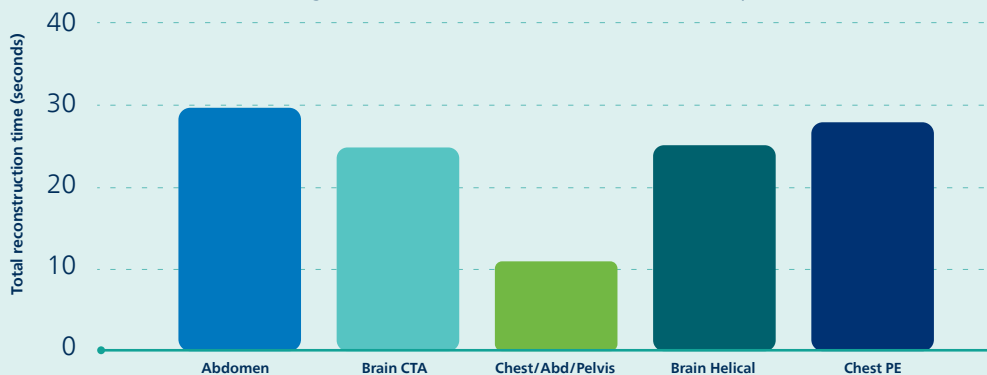
Precise Image features fast AI reconstruction with all reference protocols reconstructed in under a minute, in addition to dramatic reductions in dose and image noise, and a significant increase in low-contrast detectability.



Simultaneously*

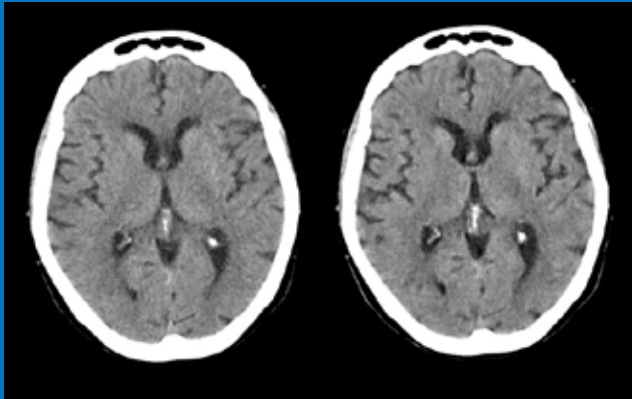
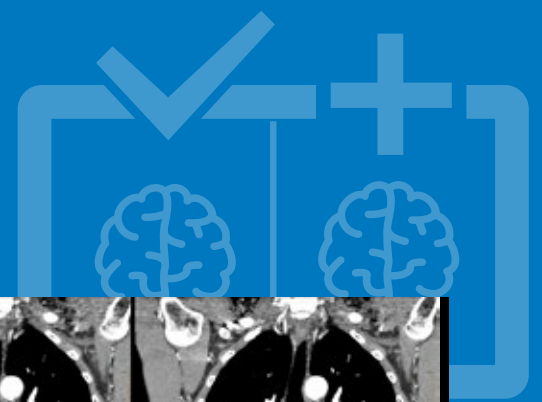


Average reconstruction times for common protocols



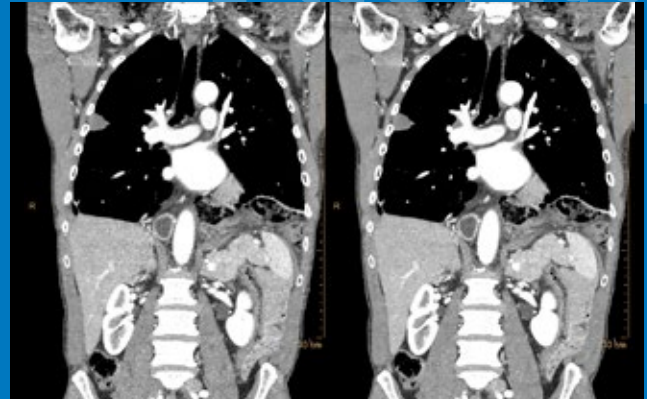
*In clinical practice, the use of Precise Image may reduce CT patient dose depending on the clinical task, patient size, and anatomical location. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task. Dose reduction assessments were performed using reference body protocols with 1.0 mm slices at the "Smoother" setting, and tested on the MITA CT IQ Phantom (CCT189, The Phantom Laboratory) assessing the 10mm pin and compared to filtered-back projection. A range is seen across the 4 pins, using a channelized hotelling observer tool, that includes lower image noise by 85% and improved low-contrast detectability from 0% to 60% at 50% to 80% dose reduction. NPS curve shift is used to evaluate image appearance, as measured on a 20 cm water phantom in the center 50mm x 50 mm region of interest, with an average shift of 6% or less. Data on file.

Precise Image



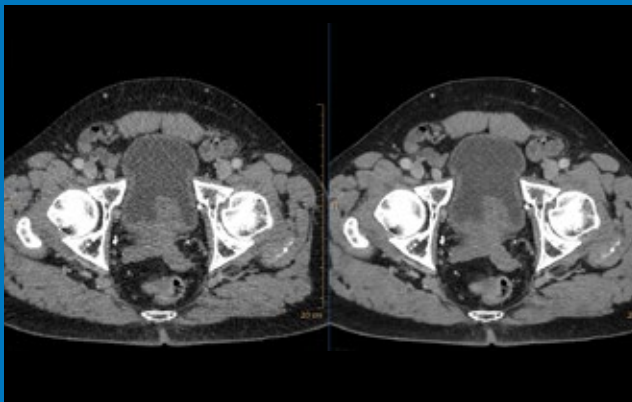
iDose⁴ 1.4 mSv

Precise Image 0.7 mSv



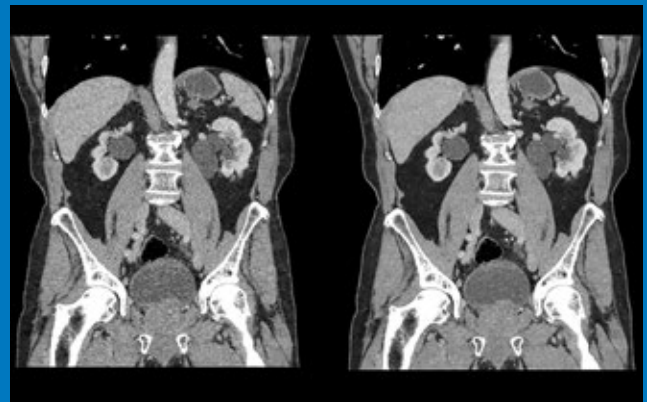
iDose⁴ 8.5 mSv

Precise Image 4.3 mSv



iDose⁴ 7.4 mSv

Precise Image 3.7 mSv



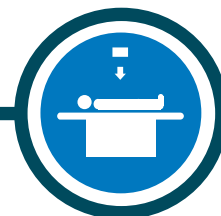
iDose⁴ 5.1 mSv

Precise Image 2.6 mSv



Automatic patient positioning

Inaccurate patient positioning is a common and documented challenge in CT imaging, which can lead to unwanted consequences such as increased patient dose and image noise.²

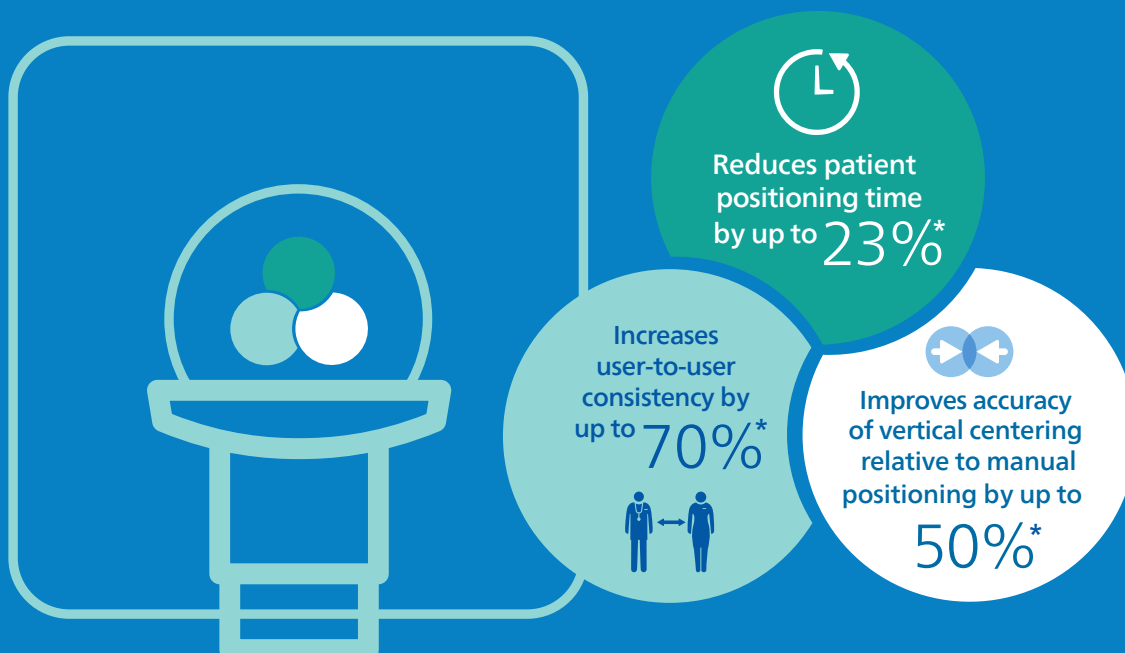


Precise Position

An AI-enabled camera supports automatic patient positioning for significantly increased positioning accuracy and user-to-user consistency in a fraction of the time.

Camera-based workflow supports automatic positioning for a wide range of clinical scan types.

Precise Position allows for single-click positioning so that staff can focus on the patient.



*Based on Philips in-house assessment by five clinical experts, comparing manual versus Precise Positioning in 40 clinical cases using a human body phantom.

Precise Cardiac



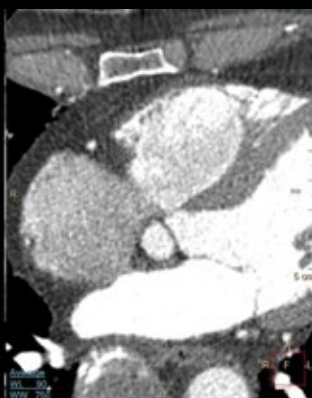
Motion-free cardiac

Philips has always helped you overcome challenges in cardiac imaging with advances such as low-dose Step & Shoot Cardiac, with its beat-to-beat algorithm and multi-cycle adaptive reconstruction.

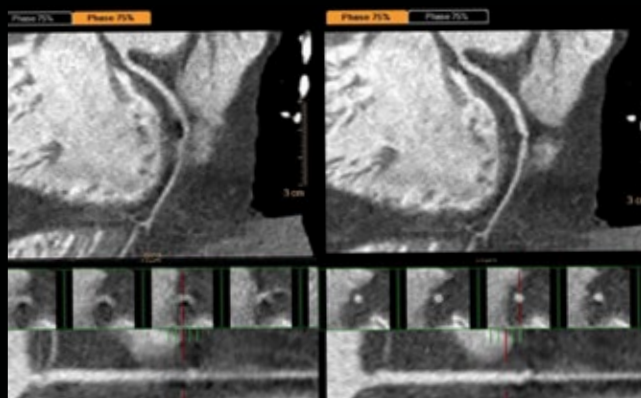
Used prospectively or retrospectively, Precise Cardiac corrects for motion in cardiac images to improve image quality at high heart rates.



Without Precise Cardiac



With Precise Cardiac

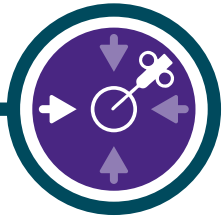


Without Precise Cardiac

With Precise Cardiac



Automatic needle tracking



Precise Intervention

With long procedure times, CT-guided procedures can present a challenge to the workflow of a radiology department, posing greater complexity than routine diagnostic imaging.

With Precise Intervention, needle guidance enhances workflow for confident interventional CT procedures. Automatically calculate depth, angle, tip-to-target and deviation from plan, enhancing the speed and efficiency necessary for quick and confident interventional procedures.

In addition to Precise Intervention, OnPlan gantry controls provide workflow flexibility to the interventional radiologist.



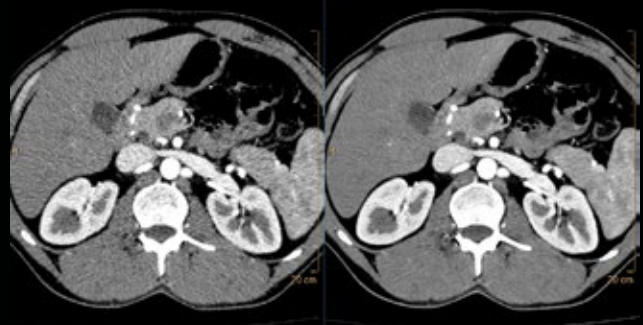
OnPlan allows the radiologist to perform the procedure using gantry controls in addition to the interventional toolkit.



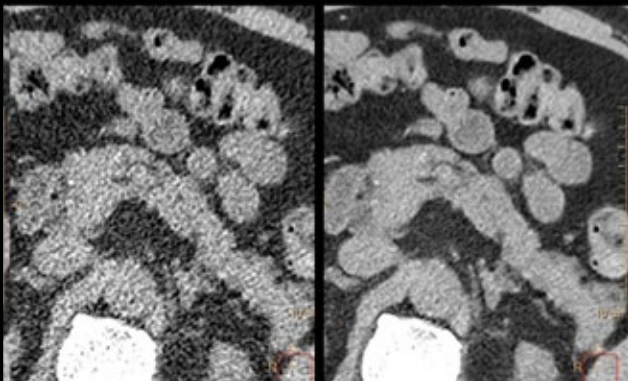
Expand your clinical breadth



iDose⁴ 1.7 mSv, 3 mm iDose⁴ 1.7 mSv, 1 mm Precise Image
0.8 mSv, 1 mm



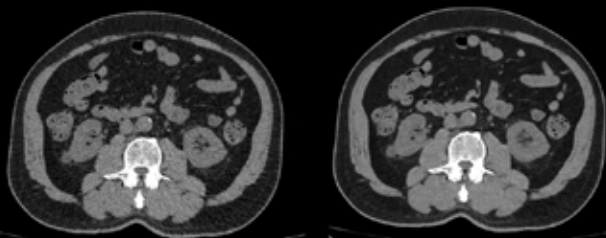
iDose⁴ 5.4 mSv Precise Image 2.6 mSv



iDose⁴ 6.6 mSv Precise Image 3.3 mSv



Precise Image CTA volume rendering



iDose⁴ 6.4 mSv Precise Image 3.3 mSv



iDose⁴ 1.5 mSv Precise Image 0.75 mSv



A busy hospital is full of surprises

Financial challenges. Governmental mandates. Personnel shortages. Healthcare systems are facing challenges like never before.

In the radiology department, patient care depends on system uptime. Our global expertise and local service can alert you to any negative trends so that many challenges can be anticipated and solved before they affect day-to-day operations. Minimize unplanned downtime through sensors that continuously monitor internal and external operating parameters, helping you plan for maintenance.

Remote services resolve **35% of issues** without the need for on-site service, improving system uptime and enabling a **first-time fix rate of 73%** when on-site service is needed.*



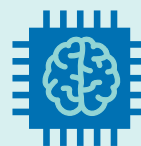
Reassuring predictability

Complex systems operating in complex environments require remote services with proactive monitoring to allow many issues to be resolved remotely and a high first-time fix rate when an on-site visit is needed.



Proactive monitoring is the first step

We're able to achieve a high first-time fix rate because we do all we can to prepare our service technicians with your system's performance data so that they have the right information, tools and parts before they walk through your door.



vMRC Smart Card

This provides valuable data to aid remote 24/7 monitoring in keeping your system operating at its best.

*Data collected across Philips portfolio scanners using Remote Services.

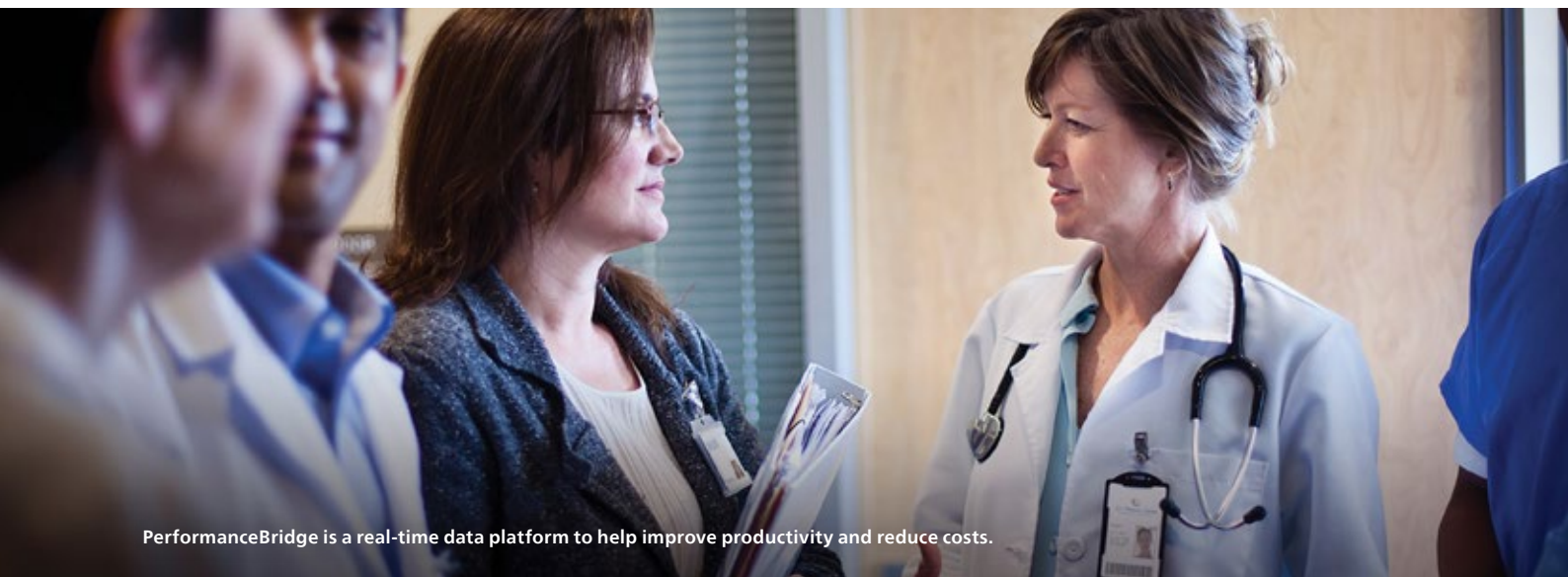
Doing more for your operational goals

CT 5100 – Incisive is designed to be easy to own, from installation that can be done in just a weekend for minimal impact to your department's efficiency, to analytics and other services that can help drive intelligent decision-making.

PerformanceBridge for continuous improvement

Addressing your performance objectives and challenges is the cornerstone of PerformanceBridge, a flexible suite of continuous improvement solutions targeted to identify

your opportunities for enhanced efficiency and results. We do this through a combination of technology, analytics and professional services for the imaging department and across the enterprise.



PerformanceBridge is a real-time data platform to help improve productivity and reduce costs.



On Demand Clinical Support to get expert advice when you need it most

When transitioning to a new imaging system, having access to Philips experts can help you realize the full potential of your investment and staff. With On Demand Clinical Support, your staff can collaborate with clinical experts in real time to build their confidence and help accelerate adoption of advanced technology. Communicate via a voice call, text chat, video call, and console screen sharing.



The right environment makes all the difference

Philips Ambient Experience provides a designed environment of care that's evidence-based and patient-centered to help meet your operational and clinical goals.

Key advantages of Ambient Experience:

- Reduces patient stress
- Improves patient and staff experience/satisfaction
- Supports clinical workflow
- Differentiates your institution

"Instead of focusing on the impending exam, your patients have the opportunity to personalize the room environment by selecting a theme such as jungle, sky, fantasy, or underwater to name a few. Their selection immediately transforms the imaging room into a multi-sensorial environment."

A healthcare professional, a woman with dark hair wearing blue scrubs, is looking down at a patient lying in a hospital bed. The patient is wearing a yellow hospital gown. The background is a blurred hospital room.

Seamless imaging for improved patient care

Meaningful innovation today lies in enabling seamless processes that deliver repeatable and reproducible outcomes with the power to touch more lives, at a faster rate, more cost-effectively. By focusing on what matters most to the imaging community – your clinical, operational, and financial challenges – we can streamline the path to a confident diagnosis and provide superb value to patients, providers and health systems. That's innovation at its best.

There's always a way to make life better.

About Philips imaging

Philips is a global provider of integrated imaging solutions for diagnosis and treatment. Our portfolio of imaging products – in MR, CT, molecular imaging, X-ray, fluoroscopy, IGT and ultrasound – is connected through the enterprise-wide IntelliSpace informatics platform for PACS, RIS, cardiology and advanced visualization. Focused on seamlessly connecting data, technology and people, Philips is pioneering design-driven solutions for patient comfort, smart systems to improve image acquisition, adaptive intelligence to boost diagnostic confidence, analytics and tools for operational improvement, and enterprise partnership models to address the challenges of value-based care.

www.philips.com/CT5100



References

1. Quantitative Report 2020 Incisive CT. The MarketTech Group. November, 2020.
 2. Toth T, Ge Z, Daly MP. The influence of patient centering on CT dose and image noise. Med Phys. 2007;34(7):3093-3101. doi.org/10.1118/1.2748113
- Results from case studies are not predictive of results in other cases. Results in other cases may vary.

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