PHILIPS

Magnetic Resonance

SmartPath upgrade

Ingenia 1.5T Evolution

Step into the future, with confidence

Step into the future, with confidence

The healthcare industry is under tremendous pressure to hold costs down while delivering exceptional patient care. As a result, there is a clear trend towards keeping existing medical equipment.

With Philips MR SmartPath you can convert your existing Ingenia 1.5T system to an Ingenia 1.5T Evolution. It enables you to boost your performance with innovative SmartWorkflow solutions that include touchless patient sensing technology, in-room guidance on patient set-up and initiation of the exam at the patient's side. Adding SmartSpeed allows you to perform MRI exams up to 3 times faster1 in both 2D- and 3D scanning and for all anatomies. MR SmartPath also includes the ComfortPlus mattress, which delivers a more comfortable table experience². A positive patient experience can be further supported through installation of an immersive audio-visual experience that calms patients and guides them through MR exams. Your MR SmartPath conversion also gives you access to the latest scanning techniques for confident diagnosis of the most challenging indications.

Discover how Philips SmartPath program can help you step into the future with confidence. It's your path to longer system lifetime

Extend the life

Boost your pe

Scan up to 3 t

Up to 50% fas

A more comfo

Access to the

Enhance the v

1 Compared to SENSE imaging. 2 Compared to the standard mattress.

	PHILIPS
fetime of your equipment 4	
erformance with latest workflow solutions 6	
times faster, with equal or better image quality ¹ 17	
ster MRI exams with virtually equal image quality ¹ 25	
ortable experience for your patients 33	
latest scanning techniques 39	
value of your MR investment 46	

Extend the lifetime of your equipment

SmartPath allows you to enhance your investment, extend the lifetime of your equipment and easily upgrade to the latest technology for long term success. With this program, you completely renew your trusted Ingenia MR system, just as if you had bought a new MR, extending the lifetime of your equipment and improving your total cost of ownership. Furthermore, it alleviates the delays and expense of installing a new MR magnet, that can involve breaking down walls and ceilings and using heavy cranes to transport the magnet in and out of the hospital.



Your current Ingenia 1.5T...



... will be dismantled and upgraded to become ...



... your new Ingenia 1.5T Evolution

A sustainable choice for substantially less cost

Re-using your existing magnet and converting to the next generation of MR costs substantially less than purchasing a new system. When you convert your MR instead of buying a new system, you also make the sustainable choice . Saving the CO₂ output and energy usage that would be required to manufacture a new magnet , and saving the costs of transporting, lifting and installing a new magnet weighing up to 3000 kilograms.



Make the sustainable choice

For less cost than purchase of a new system

SmartPath upgrade

9

Boost your performance with latest workflow solutions

With a growth in the elderly population and constant demands to do more with less, the pressure on healthcare providers is immense. This pressure is also evident in radiology departments and imaging centers. The increasing use of MR to diagnose a variety of conditions and illnesses has led to demands for greater efficiency, even as departments try to manage a shortage of MR operators and variability in staff expertise. Too often, it seems that productivity is at odds with giving patients the time and attention they desire.

With SmartWorkflow, you can achieve high productivity while enabling your staff to focus on patients. It reduces and simplifies the number of steps needed in a conventional MR exam workflow, using technology to guide and coach where required, and automate where possible. An end-to-end workflow solution that directly boosts efficiency through reduced variability and task automation, while supporting a better patient and staff experience, resulting in patient-centered productivity.



Smart Workflow in the exam room

66 The entire workflow is smooth: Patient positioning and setup; launching the scan as soon as we leave the exam room; the intuitive touchscreen on the gantry; Touchless patient sensing... All of these things are much better than on our old system."

Laura Barlow, RTMR MRI Technologist Supervisor at the University of British Columbia



Guided exam set-up Coaching and visual guidance are provided at the front of the magnet façade



Auto patient centering Region of interest is automatically placed in the isocenter of the magnet



interaction



Touchless respiratory-triggering Patient's breathing is detected without any operator



Auto coil element selection Optimal elements are selected automatically based on the anatomy planning



In-room exam start Exam start can be initiated with a single touch of at the patient's side

Smart Workflow in the control room

We don't have to manually direct the patient to breathing and not breathing.
We can go ahead and let the machine do the work of the breathing instructions while we continue our planning of the exam."

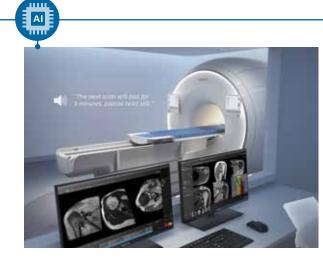
Carlos Avila, RT Technologist at Miami Cardiac & Vascular Institute



Confidence for MR Conditional implants

Step-by-step guidance to enter the condition values as specified by the implant manufacturer

Automated planning, scanning and processing Fully automated geometry planning, coil element selection and execution of complete MR exams



Up to 3 times faster imaging¹ Breakthrough acceleration technique delivering image quality and speed without compromise



Automated patient coaching Patients are guided via announcements of scan duration, table movements and breath hold instructions



Plan your day in advance Dashboard to plan examinations before patient arrival, allowing you to stay on schedule



martPath to Ingenia 1.5T Evolutio

A virtual coach guiding exam set-up

Increase staff confidence and speed up patient set-up through automated real-time guidance and insights on the details of the current patient study. Achieve high quality results, independent from staff's expertise level. VitalScreen provides guidance at your staff's fingertips. Two 12-inch interactive touchscreens on the scanner provide coaching and visual guidance on recommended patient position, study laterality, coil and accessory placement. Moreover, feedback is provided on important exam details, including physiology signals (both VCG and respiratory) and – if applicable– contrast usage and breath– hold guidance.

Put your patients at ease, while manual steps in the workflow are automated

Free up your staff from monotonous, manual steps and enable them to focus on the patient through automatic placement of the region of interest in the scanner iso-center. The manual use of a laser light visor for iso-center positioning has become obsolete. VitalScreen automatically detects landmarks for selected anatomies and places the region of interest in the iso-center of the magnet. Once the patient is positioned on the table, only the push of a button is required to position the patient in the center of the bore.

Increase productivity and free up time for other tasks

Start exams as soon as possible, eliminating extra steps for your staff and decreasing the time the patient has to spent in the magnet, resulting in a more positive patient experience. VitalScreen allows staff to initiate the exam with a single touch of a button at the patient side. The exam starts immediately after the operator has closed the exam room door, so no time is wasted.

Continuous and robust respiratory signal providing superior image quality

Relieve your staff from the burden of positioning – and re-positioning – a respiratory belt. Positioning a belt shifts the operator's focus from the patient to the technology at a moment when it is critical that the patient is comfortable and reassured. Enjoy optical sensing and AI¹ to automatically detect patient respiratory patterns. VitalEye touchless patient sensing provides a fast detection of patient's breathing without any operator interaction. With VitalEye, the technologist no longer needs to set up an old-fashioned respiratory belt but receives a continuous and robust respiratory signal without any interaction. This revolution in touchless patient sensing helps your staff to keep a caring eye on your patient. The quality of the physiology signal detected by VitalEye is better than a belt-based approach providing superior image quality, for a broad range of patient sizes.

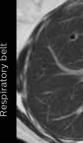
⁶⁶ It always works, and it's always there."

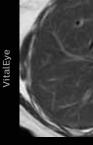
MR operator, University of Bonn, Germany



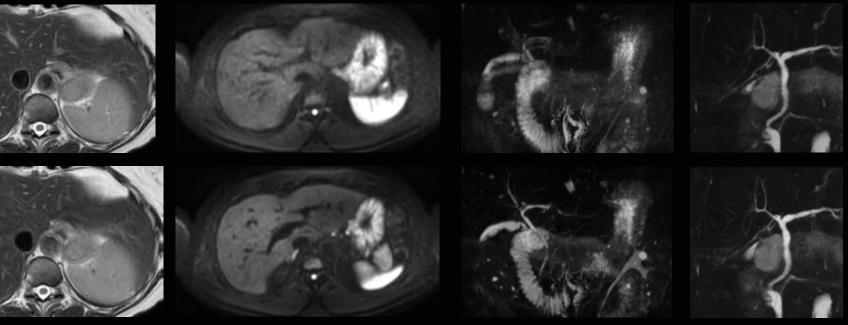
¹ AI stands for Artificial Intelligence, according to the definition of AI from the EU High-Level Expert Group.

Touchless patient sensing Superior image quality with VitalEye¹, consistently





Female, 68kg (150 lbs), 1.65m



Male, 92kg (203 lbs), 1.84m

Male, 90kg (198 lbs), 1.83m

Female, 68kg (150 lbs), 1.65m



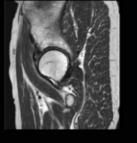
Time is one of the most precious commodities you have in your MR department. What if we told you there was a way to recover time you have been losing during your MR examinations? And use the time you do have more wisely? Imagine how that could help you make better use of your scarce resources and better meet the demands of referring physicians. That's exactly what our acceleration technologies such as Philips SmartSpeed can do for your MR department. SmartSpeed AI can speed up scan time nearly 3 times with no loss in image quality¹, free up time to improve your patient experience. You can use the time gained to scan more patients and reduce the cost per scan, to add unplanned patients to the schedule or free up time to improve your patient experience. It can also provide higher image quality¹ to enhance diagnostic confidence.

Up to 3 times faster MRI exams with no loss in image quality¹

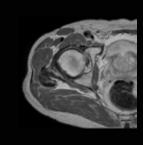
Fast scan times with SmartSpeed



SmartSpe



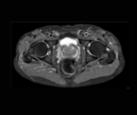
Sagittal T2w TSE SmartSpeed factor 2.2 0.6 x 0.7 x 3.0 mm 1:44 min



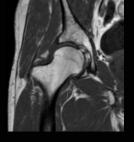
Axial PDw TSE SmartSpeed factor 2.1 0.5x0.6x 3mm 2:10 min



Coronal PDw TSE SmartSpeed factor 3 1.0 x 1.3 x .0 mm 2:15 min

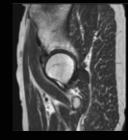


Axial PDw TSE SPAIR SmartSpeed factor 2.5 1.3 x 1.6 x 3.0 mm 2:37 min

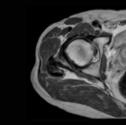


Coronal T1w TSE SmartSpeed factor 2.5 0.7 x 0.9 x 3.0 mm 1:42 min

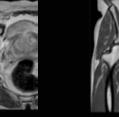




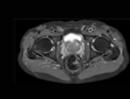
Sagittal T2w TSE C-Sense factor 1.6 0.6 x 0.7 x 3.0 mm 2:19 min



Axial PDw TSE C-Sense factor 1.6 0.5 x 0.6 x 3.0 mm 2:50 min



Coronal PDw TSE C-Sense factor 2.2 1.0 x 1.3 x 3.0 mm 2:55 min

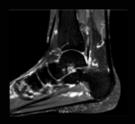


Axial PDw TSE SPAIR C-Sense factor 1.8 1.3 x 1.7 x 3.0 mm 3:24 min

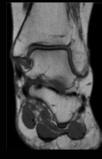


Coronal T1w TSE C-Sense factor 2.1 0.7 x 0.9 x 3.0 mm 2:07 min

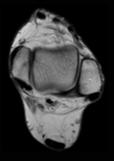
Shorter scan times with SmartSpeed*



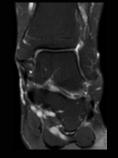
Sagittal PDw TSE SPAIR SmartSpeed factor 2 0.5 x 0.6 x 3.0 mm 1:50 min



Coronal T1w TSE SmartSpeed factor 2.2 0.4 x 0.5 x 3.0 mm 1:14 min



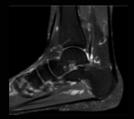
Axial T2w TSE SmartSpeed factor 2.2 0.6 x 0.7 x 3.0 mm 1:24 min



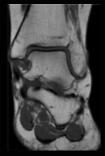
Coronal T2w TSE SmartSpeed factor 2.4 0.6 x 0.7 x 3.0 mm 2:12 min



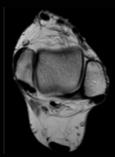
Sagittal PDw TSE SmartSpeed factor 2.5 0.3 x 0.4 x 3.0 mm 2:10 min



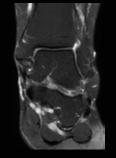
Sagittal PDw TSE SPAIR Sense 1.2 0.5 x 0.6 x 3.0 mm 3:00 min



Coronal T1w TSE Sense 1.2 0.4 x 0.5 x 3.0 mm 2:13 min



Axial T2w TSE Sense 1.2 0.6 x 0.7 x 3.0 mm 2:30 min



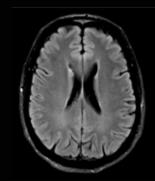
Coronal T2w TSE Sense 1.4 0.3 x 0.4 x 3.0 mm 3:36 min



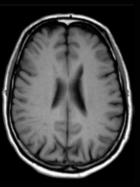
Sagittal PDw TSE Sense 1.5 0.3 x 0.4 x 3.0 mm 3:40min

Motion-Free scans with SmartSpeed

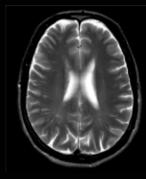




Axial T2w FLAIR Motion free SmartSpeed factor 1.4 0.4 x 0.4 x 5.0 mm, 4:00 min



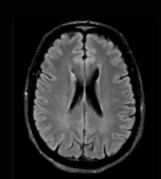
Axial T1w MotionFree SmartSpeed factor 1.8 0.4x 0.4x 5mm 2:58 min



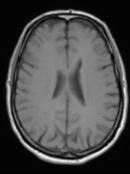
Axial T2w MotionFree SmartSpeed factor 1.8 0.4 x 0.4 x 5.0 mm, 2:08 min



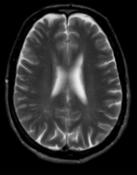




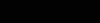
Axial T2w FLAIR MultiVane XD SENSE factor 1.4 0.6 x 0.6 x 5.0 mm, 4:00 min



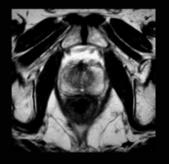
Axial T1w MultiVane XD SENSE factor 1.8 0.4 x 0.4 x 5.0 mm, 2:58 min



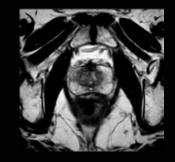
Axial T2w MultiVane XD SENSE factor 1.5 0.4 x 0.4 x 5.0 mm, 2:32 min



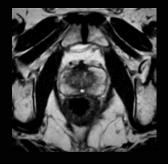
Prostate imaging in faster scan times with SmartSpeed



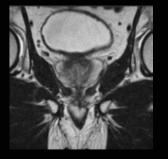
Axial T2w TSE PI-RADS SENSE factor 1.3 0.4 x 0.7 x 3.0 mm 5:55 min



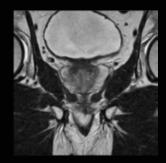
Axial T2w TSE PI-RADS SmartSpeed factor 1.4 0.4 x 0.7 x 3.0 mm 3:37 min



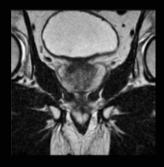
Axial T2w TSE High Resolution SmartSpeed factor 2.5 0.4 x 0.4 x 3.0 mm 3:37min



Coronal T2w TSE PI-RADS SENSE factor 1.3 0.4 x 0.7 x 3 .0 mm 5:55 min



Coronal T2w PI-RADS SmartSpeed factor 1.5 0.4 x 0.7 x 3.0 mm 3:27 min



Coronal T2w High Resolution SmartSpeed factor 2.5 0.4 x 0.4 x 3.0 mm 4:10 min

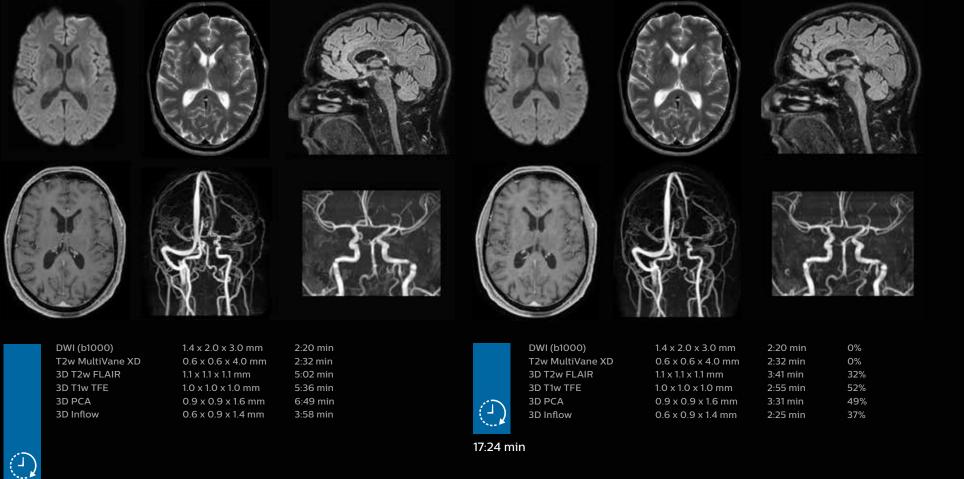


Up to 50% faster MRI exams with virtually equal image quality¹

- Time is one of the most precious commodities you have in your MR department.
- What if we told you there was a way to recover time you have been losing during your MR examinations? And use the time you do have more wisely? Imagine how that could help you make better use of your scarce resources and better meet the demands of referring physicians.
- That's exactly what Compressed SENSE can do for your MR department. It accelerates your existing MR scans by up to 50% with virtually equal image quality, frees up time to improve your patient experience and can provide up to 60% higher resolution to enhance diagnostic confidence.¹
- Compressed SENSE is suitable for all anatomies and can be used for all anatomical contrasts, in both 2D- and 3D scanning.

Up to 50% faster MRI exams with virtually equal IQ¹

Brain ExamCard with 2D and 3D protocols

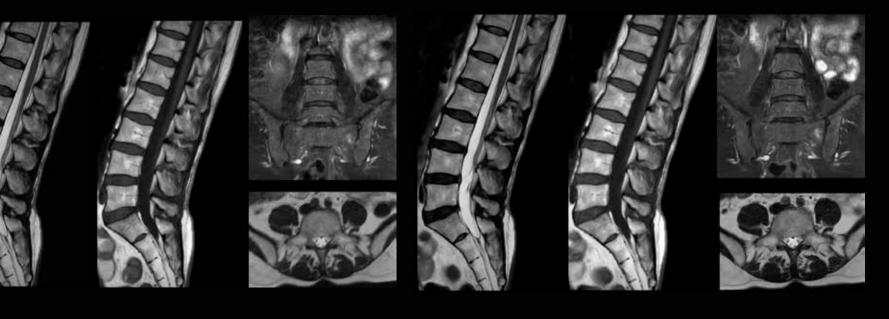


26:17 min

1 Compared to Philips scans without Compressed SENSE. Results from case studies are not predictive of results in other cases. Results in other cases may vary. Courtesy: Kantonsspital Winterthur, Switzerland, Ingenia 1.5T

Results from case studies are not predictive of results in other cases. Results in other cases may vary. Courtesy: Radiologie am St.Josef Stift, Breman, Germany, Ingenia 1.5T

Spine ExamCard with 2D protocols



Sag T2w TSE Sag T1w TSE Cor T2w SPAIR Ax T2w TSE

10:27 min

0.8 x 1.0 x 4.0 mm 3:10 min 0.8 x 1.1 x 4.0 mm 2:01 min 1:53 min 0.9 x 1.2 x 4.5 mm 0.6 x 0.8 x 4.0 mm 3:23 min

Sag T2w SE Sag T1w TSE Cor T2w SPAIR Ax T2w TSE

0.8 x 1.0 x 4.0 mm 2:09 min 0.8 x 1.1 x 4.0 mm 1:18 min 0.9 x 1.2 x 4.5 mm 1:19 min 22% 0.6 x 0.8 x 4.0 mm 2:08 min

6:54 min

Fast push button exams



Enabled by Compressed SENSE and SmartWorkflow



Add extra patient slots to your daily MRI schedule

Many radiology departments and imaging centers are looking for ways to increase the utilization of their MR equipment to meet the rising demand for MRI services. A full MRI exam performed with Compressed SENSE, for example, can save minutes compared to a conventional MRI exam. This could free up one or two extra exam slots in your daily schedule, which can result in much higher productivity and shorter waitlists without adding more operator hours.



Radiologie Dr Wagner in Gottingen, Germany can accommodate > 5 more patients per day, within the same scanning hours, after the introduction of Compressed SENSE.

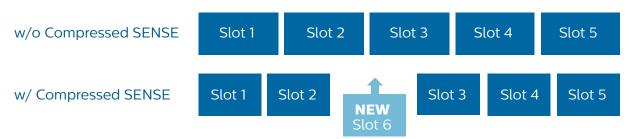
Time

Easily fit in unplanned patients

Do unscheduled patients disrupt your daily schedule and put extra stress on your staff? With Compressed SENSE you can create a buffer to easily handle emergency cases or urgent patients that are referred on the same day. This extra capacity can help you serve patients and referring physicians faster and make daily workflow go smoother.

⁶⁶We can now provide a more flexible and faster MRI service to our patients and referring physicians. For instance, when a referring physician is requesting it, we can now quite smoothly insert an additional MRI examination without previous appointment on the same day."

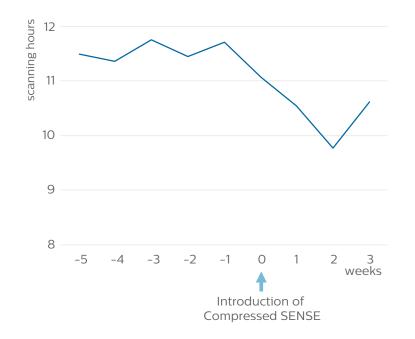
Hideki Koyasu, MD, Neurosurgical Clinic in Kanagawa, Japan



Easily fit in unplanned patients

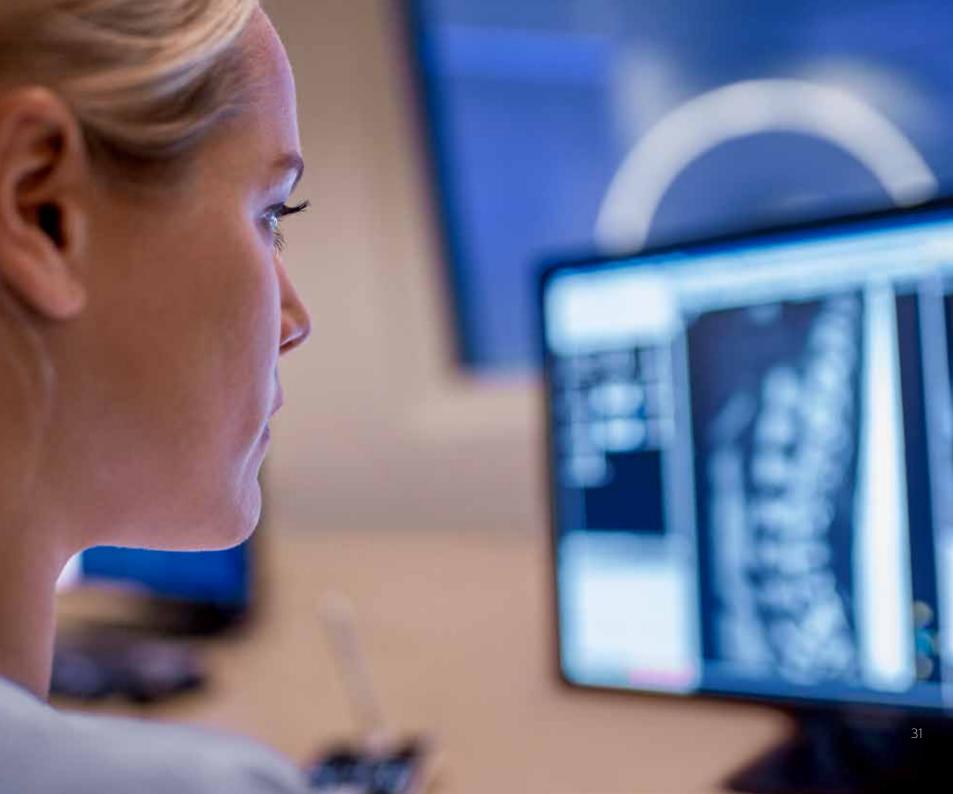
Reduction in overtime, while maintaining same patient throughput per day

Having to work overtime is a recurring issue for many radiology departments and imaging centers that can impact staff satisfaction and run-up operational costs. The stress caused by heavy workloads and overtime hours greatly contribute to burnout among radiology technologists, not to mention long-term mental and physical health issues.¹ By reducing MRI scan times and improving scheduling flexibility, Compressed SENSE helps patients and staff to get home on time. This can improve the experience for all involved.



ComputerTomography Institut in Innsbruck, Austria has been able to reduce overtime by more than one hour, keeping the same patient throughput per day, after the introduction of Compressed SENSE.

1 Vinu, Raj. Occupational stress and Radiography. NCBI. Nov-Dec 2006. https://www.ncbi.nlm.nih.gov/pubmed/17119177 Results from case studies are not predictive of results in other cases. Results in other cases may vary.





A more comfortable experience for your patients

Your patients are at the heart of Ingenia 1.5T Evolution – which includes an MR experience that enhances comfort and compliance. With up to 80% acoustic noise reduction¹, voice guidance, immersive in-bore visuals and a comfortable table mattress, Ingenia 1.5T Evolution helps your patients feel at ease, resulting in smooth, fast exams.

Provide an **immersive visual experience**

Your patients' scanning experience is significantly enhanced with Ingenia 1.5T Evolution. Designed to offer a relaxing sensory experience, Ambient Experience provides positive distractions for patients by incorporating dynamic lighting, projection and sound, contributing to a positive, engaging environment to benefit quality of care. From the moment a patient is moved into the scanner (the point at which people report the most stress), through completion of the scan, the In-Bore Connect solution can help patients to relax, follow directions and minimize motion. In a study, conducted using our in-bore solution, Herlev Gentofte University Hospital in Denmark managed to reduce the number of rescans by up to 70%¹. A case study at Radiologisches Zentrum am Kaufhof, Lübeck, Germany showed that the number of patients needing sedation was reduced by 80%².

We've had a lot of patients provide compliments on the environment. We have the Ambient solution in there that creates a soothing environment."

66

Carol Melvin, COO, Miami Cardiac and Vascular Institute



1 Compared to the average of the other 5 Philips Ingenia MR scanners without Ambient Experience and In-Bore Connect. Results from case studies are not predictive of results in other cases. Results in other cases. Results in other cases may vary. 2 Results from case studies are not predictive of results in other cases. Results in other cases may vary. *The tranquilizer referred to is a valium-based derivative called "Diazepam".





Comfort in every detail

Because no detail is too small when it comes to helping your patients feel comfortable, Ingenia 1.5T Evolution includes the ComfortPlus mattress. On average, 90% of patients in severe discomfort find it easy to lie still on the ComfortPlus mattress. Overall comfort for this group of patients can increase by up to 36%.¹

66 The most frequent comment we are getting from our technologists, is that for patients who have had scans on other Philips scanners, this new mattress is really significantly more comfortable."

Dr. Oswood, Hennepin County Medical Center

90%

of patients in severe discomfort found it easy to lie still on the Comfort Plus Mattress during the exam

87%

of the patients indicated it was easy to lie still on the Comfort Plus Mattress



Access to the **latest** scanning techniques

Your SmartPath conversion also gives you access to the latest scanningtechniques for confident diagnosis of the most challenging indications.

Robust supression of motion artifacts with DWI TSE and MultiVane XD. Reduced geometrical distortion¹ with Zoom Diffusion and reduced susceptibility artifacts² caused by metal implants³ with O-MAR XD. Address patients who have difficulty holding their breath with 4D FreeBreathing. Enhance your clinical workflow by generating synthetic high b-value images with Computed DWI. Non-invasive quantification of liver fat fraction with mDIXON Quant and assessment of differences in liver tissue stiffness with MR Elastography.

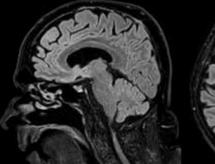
¹ Due to reduced EPI echo train length in DWI-EPI compared to conventional Philips full FOV DWI-EPI.

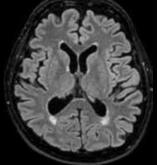
² Compared to standard high bandwidth spin-echo based techniques.

³ Only for use with MR Safe or MR Conditional implants by strictly following the Instructions for Use.

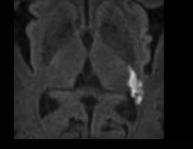
Enhance your diagnostic confidence for Brain imaging



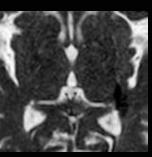


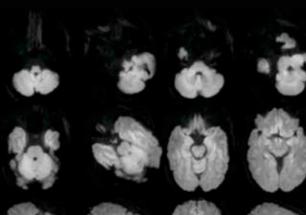


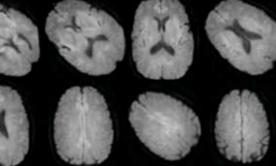
3D BrainVIEW – T2w FLAIR with Compressed SENSE Reformats in any plane without loss of resolution 1.1 x 1.1 x 1.1 mm, 3:55 min



Zoom Diffusion, b1000 & ADC Small FOV imaging with reduced geometrical distortion1 1.2 x 1.2 x 3.0 mm, 5:40 min







DWI XD TSE Robust supression of motion artifacts2 1.5 x 1.5 x 4.0 mm, 5:30 min



bFFE 0.6 x 0.6 x 0.6 mm, 4:38 min



bFFE XD Better visualization of fine structures 0.6 x 0.6 x 0.6 mm, 3:35 min



SENSE Water only + In Phase 0.8 x 1.1 x 4.0 mm, 5:20 min Bremen, Germany

1 Due to reduced EPI echo train length in DWI-EPI compared to conventional Philips full FOV DWI-EPI | 2 Compared to Philips multi shot DWI TSE

Results from case studies are not predictive of results in other cases. Results in other cases may vary.

Uniform and complete fat-free Spine imaging

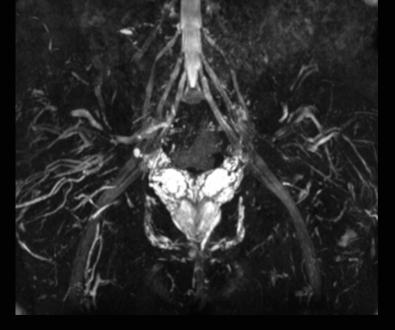


T2w TSE mDIXON XD Compressed

Courtesy : Radiologie am St Josef Stift,

T2w TSE 0.8 x 1.0 x 3.0 mm 4:10 min Courtesy: Kurashiki Central Hospital, Japan

Zoom Diffusion, b1000 2.5 x 2.5 x 3.0 mm 3:45 min



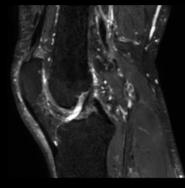
3D NerveVIEW (MIP) 1.2 x 1.2 x 1.0 mm, 5:50 min

Fast and robust MSK imaging

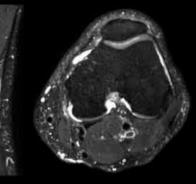


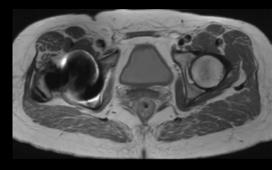


PDw TSE SPIR Compressed SENSE 0.3 x 0.4 x 2.0 mm 3:32 min

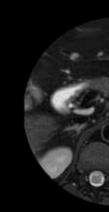


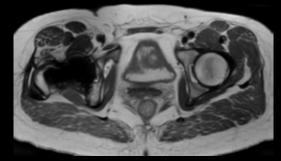
3D VIEW – PDw SPAIR Compressed SENSE 0.8 x 0.8 x 0.8 mm 4:47 min





PDw TSE 1.1 x 1.4 x 3.0 mm 2:38 min





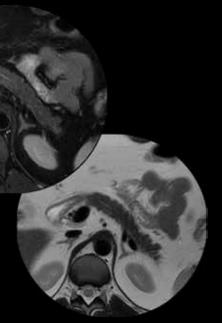
PDw TSE – O-MAR XD 1.3 x 1.6 x 3.0 mm 7:55 min

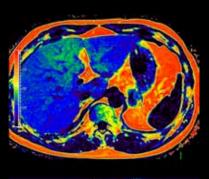
T2w SPIR MultiVane XD 1.1 x 1.1 x 3.0 mm 3:36 min

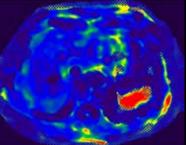


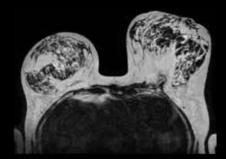
T1w TSE Compressed SENSE 0.3 x 0.4 x 2.0 mm 2:01 min

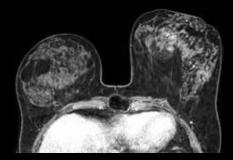
New possibilities for Body and Breast imaging











T2w TSE MultiVane XD 1.0 x 1.0 x 3.0 mm 3:18 min Courtesy: Toyanaka Municipal Hospital, Ingenia 1.5T

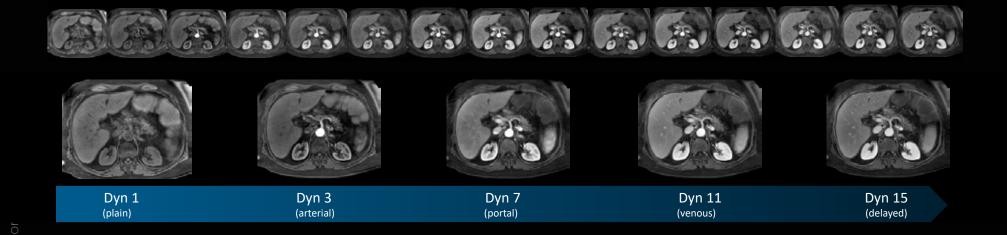
mDIXON Quant Fat Fraction 2.0 x 2.0 x 2.3 mm 15 sec

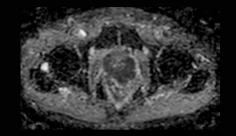
MR Elastography Stiffness map 5.2 x 5.2 x 10.0 mm 14 sec (8 slices) Courtesy: Kurashiki Central Hospital, Japan

3D VIEW - T2w TSE 3D mDIXON XD Compressed SENSE T1w FFE 0.8 x 0.8 x 1.0 mm 0.8 x 0.8 x 1.0 mm 3:22 min 2:16 min Courtesy: Radiologie am St.Josef Stift, Breman, Germany

Diagnose liver lesions without breath holds



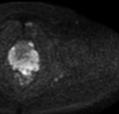




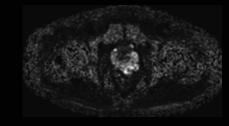
1.7 x 1.7 x 1.8 mm

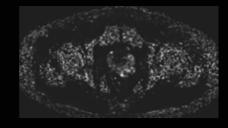
Multi-phase contrast-enhanced MRI Temporal resolution of 3 seconds per phase Real-time reconstruction = images available for viewing during the acquisition Acquired DWI, b1000 + ADC 3.1 x 2.6 x 3.0 mm, 2:15 min

Generate synthetic high b-value images



Computed DWI. b2000





Computed DWI, b3000

Computed DWI, b5000

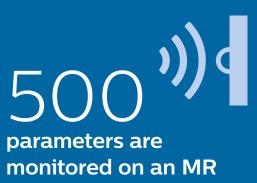
Enhance the value of your MR investment

Imaging is both a clinical and an economic challenge. You need to manage a host of financial obligations and opportunities, all while keeping your focus on your patients. We can help, by putting together a package of offerings that keep total cost of ownership in check while providing you with tailored solutions for maintenance, fleet management, cybersecurity, education and financing.

Prevent issues before they occur

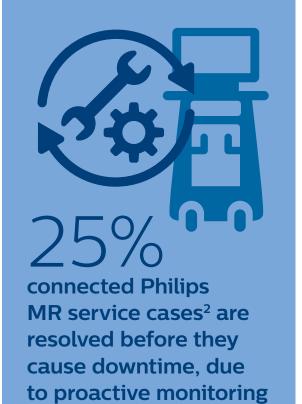
Scanner downtime can disrupt your schedule and delay patient care. We offer maintenance agreements that are suited to your needs, enabled by the latest service innovations and including an uptime guarantee. We prevent issues before they occur through proactive remote monitoring, remote diagnostics and remote and field service support. With e-Alerts and other remote data, we monitor more than 500 parameters of your MR system from a distance, detecting and resolving issues without impacting your department's operations. In fact, more than 50% of MR service cases are resolved remotely.¹ Our Philips-qualified service experts can also proactively resolve issues on-site, fix your system before it causes any disruption, and provide reliable and knowledgeable support.²

13C countries³



+90,000remote connections across 25,000

healthcare facilities in







1 For the Philips diagnostic imaging installed base

2 Based on data collected between July '18 and July '19 on all service events registered on remotely connected Philips MR systems [globally]. Downtime does not include time due to planned maintenance

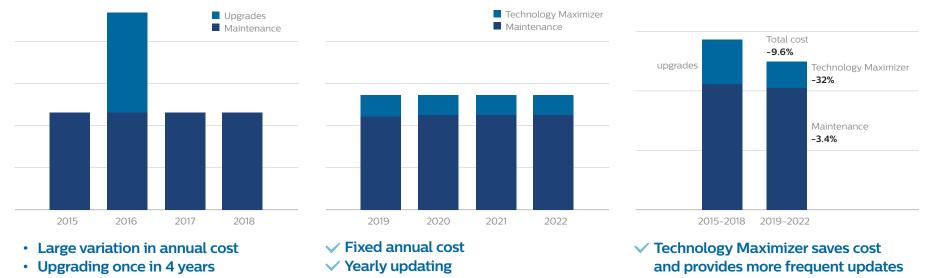
Protecting your MR equipment from patient data breaches and cyber-attacks

Protecting patient health information requires constant vigilance. To keep health information and medical devices secure, we employ best practices in medical device security. Our multi-layered defense barriers include security policies, procedures, access controls, technical measures, training, and risk assessments. The Technology Maximizer Plus subscription program conveniently keeps your MR systems up-to-date through access to the latest cybersecurity patches and mandatory safety fixes via regular and ongoing software upgrades and hardware refreshes.

Standardize your MR fleet at a fixed annual cost

If you own more than one Philips scanner, standardizing under the same software release can enhance efficiency through one user interface for operators to learn and use the same ExamCards across multiple scanners. The Ingenia 1.5T Evolution is delivered with the latest available software release, providing a perfect opportunity to upgrade your fleet to this release and enter into a Technology Maximizer Plus subscription program.³ Under the program, your Ingenia 1.5T Evolution and the rest of your fleet will receive software updates whenever available, giving you the benefits of software improvements and cyber-security advances while maintaining all your MR systems on the same level.

in previous years



⁶⁶ It was consistently a challenge to plan for annual upgrades and predict their costs. Thanks to Technology Maximizer, we can now continue to have the latest versions of software for all of our MRI systems."

Eliseo Vañó Galván, MD, Cardiovascular radiologist, Chairman of the CT & MR Department at Hospital Nuestra Senora del Rosario, Madrid, Spain

1 Based on global Philips-only data. 2 Requires minimum maintenance contract. Conditions apply. Offerings are available in selected countries and for selected products only. 3 Check for compatibility with your Philips representative.

Cost of maintenance and upgrades

Cost of maintenance and upgrades with **Technology Maximizer program**

Reduction in accumulated cost of maintenance and upgrades over 4 years Before vs with Technology Maximizer

Achieve excellence through ongoing education

Delivering consistent healthcare day-in and day-out is a challenge, particularly when faced with staff shortages and the need to cross-train department personnel. Our Philips MR Healthcare Education can help unlock the full potential of your staff, technology, and organization through innovative and meaningful healthcare education, delivered on-site or as e-Learning. For example, the Philips MR Technologist Development Program at Burjeel Hospital for Advanced Surgery (BHAS), a leading orthopedic and joint care center in Dubai, UAE, resulted in an average of 30% improvement in image quality across all procedures.¹ Team knowledge increased 30-40% in the key areas of patient care¹, imaging procedures, data acquisition and physics of image formation. The comprehensive, clinicallyrelevant courses, programs, and learning paths are designed to support clinical excellence, enhance operational efficiency and provide high-quality patient care.

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 Ingenia 1.5T Evolution 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.





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