SOMATOM go.Now

Run a successful CT business

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SIEMENS Healthineers

A fundamentally changing environment

The healthcare market is transforming. Apart from expanding costs, perhaps the two most prominent areas of change are reimbursement structures and demographics.

As the market shifts toward value-based reimbursement and increased cost pressure, affordability of technology such as CT scanners is at risk. At the same time, there is an aging population with growing care needs for chronic diseases – and patients who are more informed and discerning.

Healthcare providers therefore have to manage an increasing number of patients at lower costs. They must find ways to increase efficiency and attract patients by offering a service that is more personalized, transparent, and affordable.

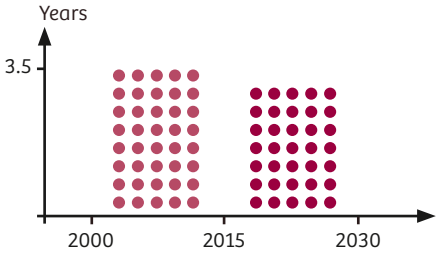
"We want to help you achieve daily success. In order to offer the best possible routine CT scanner, we developed SOMATOM® go.Now in close collaboration with you, our customers. For me, SOMATOM go.Now is a direct expression of our aim to be an inspiring partner by helping you run a succesful CT business."

André Hartung
Head of Business Line Computed Tomography
at Siemens Healthineers

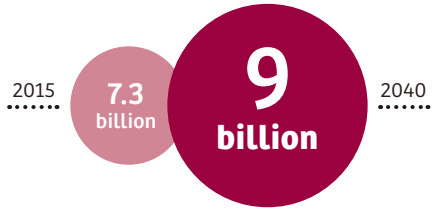
Staying ahead in a challenging market

Changes in demographics and the healthcare market create a challenging situation for healthcare providers. While facing reimbursement cuts, they have to provide for more – and older – patients. The market, however, also offers opportunities: Increasing expenditures on healthcare and the continued role of CT as a dominant diagnostic tool make such equipment an investment in the future.

Increase in life expectancy & world population

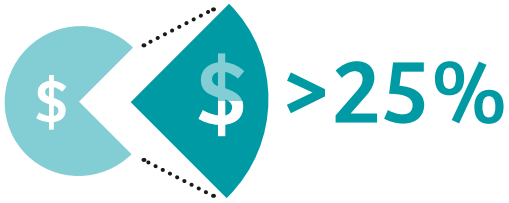


Global gains in average life expectancy per decade (in years)[1]



World population in 2015 and estimated population by 2040[2]

Reimbursement cuts



Percentage of European institutions operating with significant reductions in reimbursement[3]

Demographic change

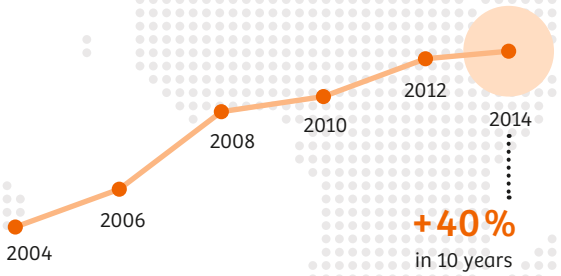
Global life expectancy is increasing. It has been doing so by an average of over 3 years per decade since 1950. And this rate is growing. The world's population, of course, is also on the rise – and is expected to reach 9 billion by 2040.

Economic pressure

The growing population puts enormous pressure on healthcare systems around the globe. As a result, many have responded with significant cuts in reimbursement.

[1] World health statistics 2016
[2] United Nations, Department of Economic and Social Affairs, Population Division (2015)
[3] European Society of Radiology. The consequences of the economic crisis in radiology, Insights Imaging (2015)

Per capita expenditures on healthcare



Development of per capita expenditures on healthcare over the past decade[4]

Growing expendi-ture

Public per capita expenditure on healthcare has been growing globally since the early 2000s. Between 2004 and 2014, there was a rise of about 40%. Money is being spent – and the amount is increasing.

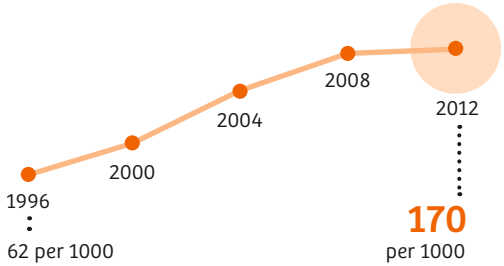
Out-of-pocket health expenditure

Fraction of out-of-pocket expenditure in terms of total health expenditure[1]

Better informed patients

In addition, out-of-pocket expenditure on healthcare continues to be an issue for patients worldwide. Consequently, patients are more informed and more selective. Healthcare providers that positively set themselves apart stand a much better chance of attracting such patients.

Utilization of abdominal CT imaging



Utilization of abdominal CT imaging per 1000 Medicare enrollees[5]

The role of CT

It can certainly also be considered an opportunity that CT imaging remains one of the most important diagnostic tools, for example in abdominal imaging.

On top of that, the recent CMS (Centers for Medicare & Medicaid Services) approval of reimbursement of CT lung cancer screening as a newly introduced tool is an additional expression of the increasing demand for CT imaging and screening.[6]

[4] World Health Organization Global Health Expenditure database
[5] Moreno, Courtney C. et al. Changing Abdominal Imaging Utilization Patterns: Perspectives From Medicare Beneficiaries Over Two Decades (2016)
[6] Levin, David C. and Rao, Vijay M. Factors That Will Determine Future Utilization Trends in Diagnostic Imaging (2016)

SOMATOM go.Now

Make success your daily business

The expenses that come with a CT scanner always pose a certain amount of risk, particularly to smaller institutions. In routine CT imaging, it is not just about providing answers to patients, but also about running a business.

We developed the SOMATOM® go. platform to help you achieve daily success. As a member of this family, SOMATOM go.Now comes with workflow and usability innovations that improve efficiency independent of the individual user's level of experience. It delivers great results for routine scanning. And a completely redesigned service model combined with an innovative workplace design helps reduce costs.

Whether you are looking to replace your previous system or just starting out in CT imaging, SOMATOM go.Now addresses your needs when it comes to routine operations. It makes high-quality care accessible and helps you run a successful CT business – allowing you to keep an eye on profitability and stay competitive.

Highlights

SOMATOM go.Now at a glance

How it all started

SOMATOM go.Now started with you, our customers. Based on many conversations with healthcare professionals, we realized that we needed to pursue new ideas and approaches to computed tomography.

We therefore conducted extensive interviews with 500 customers from eleven countries to learn about your everyday needs and challenges. In co-creation sessions, we asked you what your ideal CT scanner for routine tasks would look like.

Having gathered a wealth of insights, we commissioned a group of 50 Siemens engineers to build the best routine CT scanner possible. The result is not simply a scanner but a completely new CT platform specifically designed to overcome the obstacles associated with acquiring, operating, and maintaining a CT system. SOMATOM go.Now is part of this platform.

Trendsetting workflows

SOMATOM go.Now is built on a ground-breaking concept of mobile operation and workflow automation. By allowing you to deliver high performance every day, it helps you establish and run your CT business efficiently.

Profound clinical results

SOMATOM go.Now helps you integrate complex exams into daily practice. You will be able to offer routine lung cancer screening, angiography, and more. Equipped with premium technologies, SOMATOM go.Now delivers results you would not expect from a routine system.

All-in-one solution

SOMATOM go.Now comes with highly reliable components, a cost-saving workstation design, as well as a completely reworked service and training model. In short, it is an all-in-one solution for financial certainty.

Powerful scanning every day

SOMATOM go.Now offers easy diagnosis in fewer workflow steps. It delivers sub-millimeter slices over the full detector width, is equipped with a long-lasting tube, and features CARE i-Tilt for the protection of sensitive organs while acquiring data from a non-tiltable gantry.


SOMATOM go.Now helps me focus more on my patient.

Go for high performance with trendsetting workflows

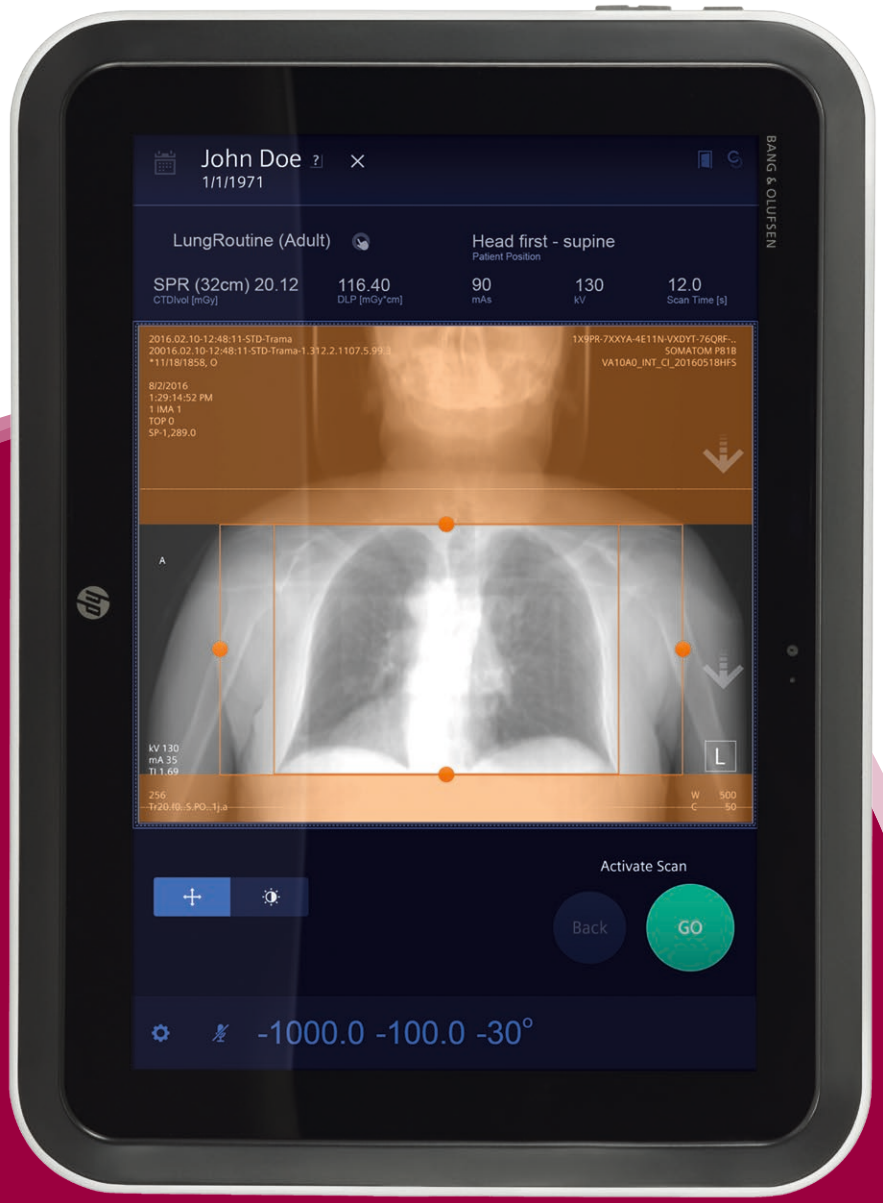
SOMATOM go.Now is built on an innovative concept of mobile operation and workflow automation.

As reimbursements continue to decrease, maintaining high throughput is key to safeguarding a smooth-running business. Vital factors in this context are successful patient throughput management, standardization of results, and staff efficiency. This, of course, is hampered by complicated scanner operation and time-consuming tasks such as postprocessing. When purchasing a CT scanner, it is therefore important to know that your staff will be able to work with it efficiently in order to generate daily revenue.

We therefore focused on intuitive guidance for all users, on easy and undisrupted operation, and on improving the workflows beyond the scanner.

GO technologies form a holistic set of features addressing your workflow even beyond the scan itself. By combining user guidance, automation, and intuitive design, they make patient preparation, image acquisition, reconstruction, reading, and data distribution easier and more efficient. In addition, we have developed a mobile workflow, a completely new way of operating the scanner that allows staff to stay with patients for longer.

Also included is access to teamplay, our cloud-based network that contains information from millions of examinations performed by our customers every day. Compare and analyze data on your workflows, dose levels, and protocol management to make your processes safer, smoother, and faster.



Gain flexibility with the new mobile workflow

A central element of optimizing performance and generating daily revenue is an entirely new approach to operating the scanner. Built around a new mobile workflow, SOMATOM go.Now features a line-up of innovative solutions – tablet, remote control, camera, and a new workplace design – that bring an unparalleled level of flexibility and mobility to daily CT routines. The solutions also help to enhance patient comfort for potentially higher levels of patient satisfaction.

Tablet

The lightweight, high-resolution tablet gives you total freedom over how you work. With Scan&GO technology, you just need a few steps for the entire scan. Start checking patient information as soon as you collect them from the waiting room, and then prepare the scan directly at the gantry to stay with the patient for longer. Since the images are sent wirelessly from the scanner to the tablet, operators can return to the patient after the scan and stay there while pre-viewing the images and communicating with radiologists for instant feedback if required.

Remote control

The easy-to-use Bluetooth remote control complements the tablet operation by streamlining scanning and making workflow processes more efficient. It simplifies patient positioning by removing the need to use hard-to-reach controls on the gantry.

Adjust the table position so everything is ready to go once the patient arrives, and start the X-ray scan remotely. Then, end examinations smoothly by moving the table into the unload position as soon as the scan is over.

New workplace design

Thanks to gantry-integrated computers, SOMATOM go.Now gives you complete flexibility over where you position the workstation. Depending on your needs and infrastructure, you can set it up in the same room, outside the scan room, or in a separate control room.

By using the unique niche concept, for example, you can position the console in the same room as the scanner while keeping staff perfectly safe from radiation. Thus, operators can stay with their patients longer and solve any positioning problems quickly.

Camera

By helping you keep an eye on the patient at all times, the gantry-integrated camera makes it easy to provide better care. Its 90° viewing angle gives you a superb view of the tunnel on the stationary monitor. The close-up perspective makes it easy to spot even micro-movements and keep the patient in the right position.

In addition to the camera, the Halo assembly includes ambient mood lighting and a digital visual countdown to help improve patient well-being and help them comply with breath-hold times.

Automate your workflow with GO technologies

Another important factor contributing to high performance is workflow automation. SOMATOM go.Now features a holistic set of intuitive solutions that addresses your workflow not only at the scanner but also beyond. By reducing repetitive workflow steps, GO technologies help standardize and simplify all departmental processes – from patient setup to image distribution, archiving, and reading. You can therefore work more efficiently and focus on your patients – two factors key to running a successful business.

Scan&GO

This advanced tablet app allows you to control scans remotely. You can choose whether to operate the scanner at the gantry or from outside the room to benefit from faster patient preparation and positioning.

You can also check the images quickly after the scan, as wireless connectivity sends the results to the tablet almost immediately.

Scan&GO brings an entirely new level of flexibility to your processes. Patients are also likely to feel more comfortable, since you can be with them for longer.

Check&GO

This intelligent algorithm flags up problems with coverage or contrast distribution as they occur. Correct issues on the go, prevent subsequent errors in multiphase scans, and avoid archiving suboptimal images – ultimately reducing the number of recalls.

The FAST ROI feature automatically identifies regions of interest and monitors HU for the aorta in bolus-tracking examinations.

Check&GO's automated support means that users of all levels of experience can produce high-quality images.

Recon&GO

Recon&GO performs zero-click postprocessing, making it part of the standard reconstruction tasks. This ready-to-read technology saves time and cuts down on workflow steps.

Recon&GO delivers high-quality results irrespective of the operator or clinical area, and allows users to spend more time with the patient.

Achieve fast, standardized, and reproducible results with this automated postprocessing and reconstruction solution.

CT View&GO

As an all-in-one, cross-specialty viewing solution, CT View&GO provides a large variety of clinical applications and tools for smooth reading in just one workflow. Thanks to a customizable user interface, you can tailor the system to your needs.

The automatic distribution and filming of images and results enhances departmental communication and integration, while advanced CAD algorithms and applications boost sensitivity and specificity in diagnoses. In addition, CT View&GO optimizes the investment because all the postprocessing tools you need are directly integrated in the scanner.

FAST, CARE, and GO

Proven for years, FAST technology brings speed and efficiency to daily CT routines. It makes complex procedures more intuitive and enhances consistency through standardized workflows. CARE solutions optimize dose level and image quality, and offer patient-friendly scans with parameters adapted to the individual anatomy.

FAST, CARE, and GO help our customers to deliver better results, to make their scanning safer, and to devote more time to taking care of their patients.

Inline/offline postprocessing

SOMATOM go.Now comes with two kinds of postprocessing tools: a zero-click “inline” reconstruction toolkit and another one for “offline” diagnosis.

The inline results of Recon&GO save time, reduce workflow steps, and deliver ready-to-read, standardized images. As a standard, Recon&GO includes anatomical ranges, table and bone removal, vascular CPR (Curved Planar Reconstruction), and multi recon (for automated multiple reconstructions in just one step). The High Performance Package adds spine ranges, rib ranges, and Lung CAD.

For diagnosis, CT View&GO offers dedicated tools for smooth and efficient reading. Its standard version includes anatomical ranges, table and bone removal, vessel extension, and endoscopic view. The High Performance Package offers spine ranges and Lung CAD. Additionally, you can purchase *syngo* Osteo and *syngo* Neuro DSA.


With
SOMATOM go.Now,
we can strengthen
our reputation.

Go for visible growth with profound clinical results

SOMATOM go.Now helps you turn complex exams into clinical routine. Thanks to premium technologies, it delivers results that were previously only available on high-end scanners.

Of course, running a successful CT business not only requires efficient daily operations – it also needs sustained patient flows. In the face of an intensely competitive market, it is essential to offer what others cannot.

Unfortunately, there are clear limitations to such an endeavor. Some exams, such as certain types of angiography, are difficult or impossible to perform due to workflow complexity or CT performance limitations. And even in routine scenarios, a lack of accuracy and insufficient dose reduction technologies can make it hard for CT facilities to be clinically and financially successful.

SOMATOM go.Now is specifically designed to remove these obstacles. Built on technology that reduces dose and increases performance, it helps you enhance daily scanning and turn complex exams into clinical routine. From routine oncology, neuro, and orthopedic examinations to high-level angiography, it helps you expand your clinical range and grow with profound clinical results.

SOMATOM go.Now can therefore be an important factor in attracting more referrals. Not only does it improve routine procedures, it also makes advanced examinations affordable – and allows you to tap into reimbursements from exams you were previously unable to offer.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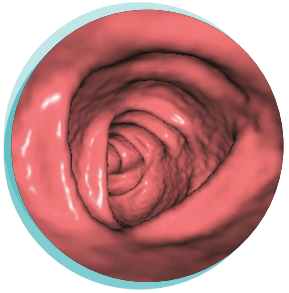
Expand into these fields

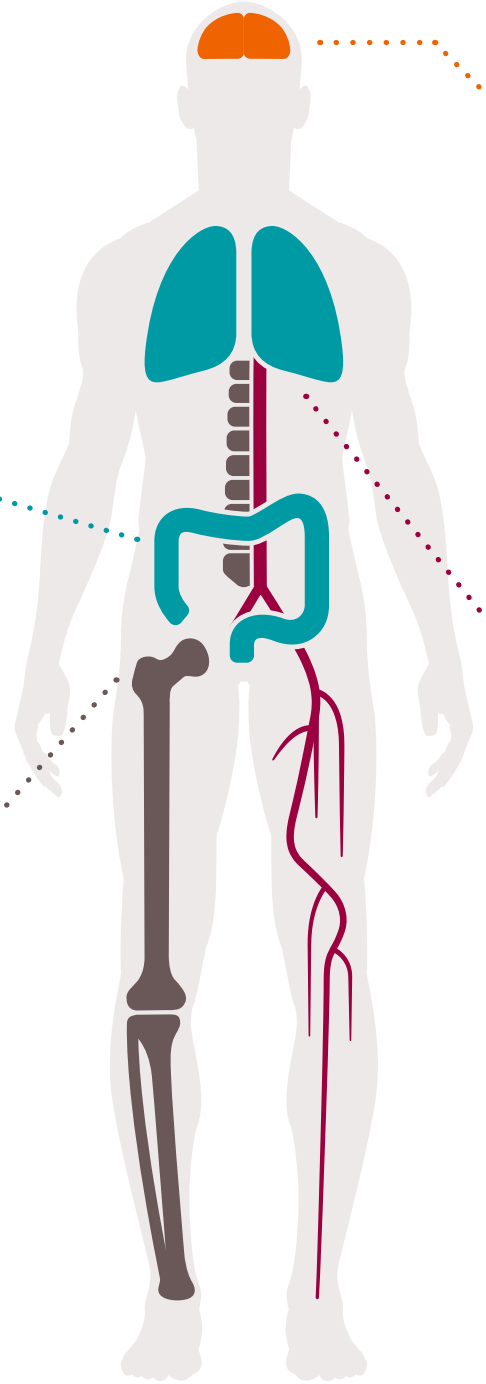


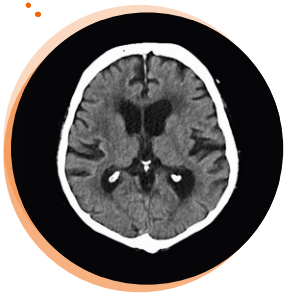
Broaden your portfolio in preventive care

SOMATOM go.Now allows you to offer colon imaging and lung cancer screening. With sub-millimeter collimation in every scan, it provides high spatial resolution and helps improve the detection of occult lesions.

Fast and efficient routine scanning

SOMATOM go.Now delivers the low-dose scanning that is essential for optimal patient care, e. g. in orthopedics. Its technology allows scans of long ranges while maintaining a high spatial resolution.





Fast and precise routine neuro examinations

SOMATOM go.Now optimizes image quality and reduces dose in routine neuro examinations. High spatial resolution improves the imaging of very small bony structures such as those in the inner ear.

High-quality angiography for vascular exams

SOMATOM go.Now allows high-quality angiography exams of central arteries with good iodine contrast, sub-millimeter slices, and precise timing.

Fast and efficient routine scanning

It is clinically and financially essential for CT facilities to have fast and efficient routine workflows without compromising on image quality or dose. Combined with GO technologies, SOMATOM go.Now offers accuracy and low dose, allowing scans of long ranges while maintaining a high spatial resolution.

Oncology is by far the most common indication for CT exams today. Oncology patients typically undergo multiple CT scans during their lifetime – for staging, therapy planning, and follow-up. A low dose is therefore essential for optimal patient care.

One contributor to low dose is the new tabletop. It is exceptionally thin and allows X-rays to penetrate the material more easily, thus minimizing the radiation needed for each scan.

Tin Filter technology also plays a key role in keeping dose levels low. Clinical experience furthermore shows that it reduces beam-hardening artifacts, which, in combination with the high-end metal artifact reduction provided by iMAR, makes it extremely useful for orthopedic examinations.

In addition, Recon&GO streamlines your reading workflow by providing ready-to-read images wherever you want thanks to inline anatomical ranges. This feature can create automatic orientations for all joints and body regions and send them directly to the PACS or your film printer. This way, you have direct access to curved parasagittal reconstructions of the spine, for instance.

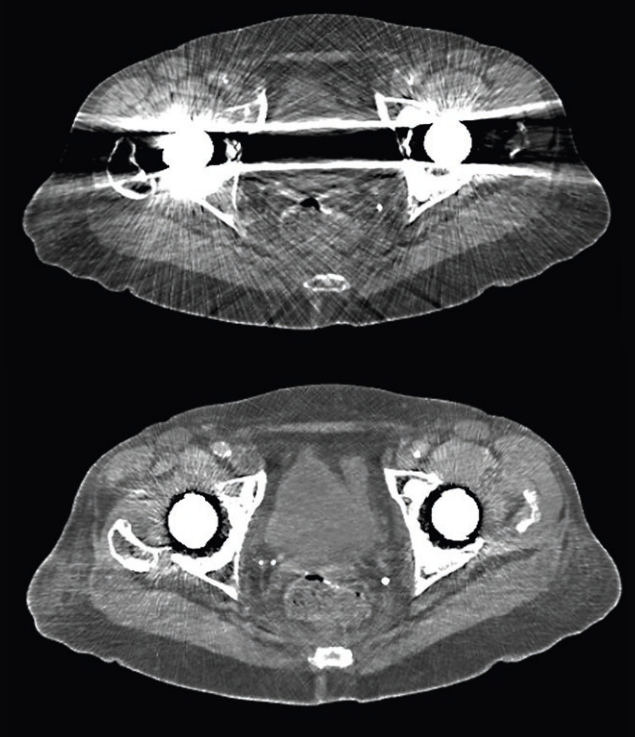
Additional flexible inline 3D reconstructions are available with CARE i-Tilt. Combining i-Tilt for inline virtually tilted results with X-CARE, CARE i-Tilt keeps dose low for dose-sensitive body parts, even with data acquired from a non-tiltable gantry.

Stellar detector

The Stellar detector lowers image noise in every scan, while advanced iterative reconstruction from SAFIRE delivers excellent image quality at very low doses.* This provides excellent and homogenous image quality, even in complex areas, such as the base of the skull, making it especially relevant for routine neuro imaging.

The Stellar detector's high-end technology includes fully integrated components and an advanced 3D anti-scatter collimator. It keeps electronic noise low, increases dose efficiency, and improves spatial resolution. The smart configuration of the detector elements simplifies access, eases maintenance, and increases scanner uptime.

* In clinical practice, the use of SAFIRE may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. 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.

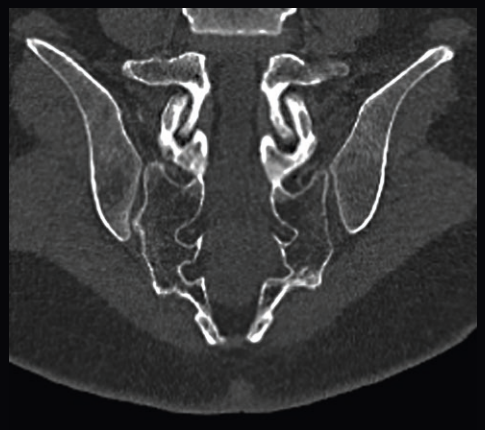


Reducing metal artifacts with iMAR

- Spiral 0.7 mm acquisition, 3 mm axial recon
- Tube voltage: 130 kV
- Without/with iMAR

Single phase contrast media enhanced scanning of the abdomen

- Spiral 0.7 mm acquisition
- 3 mm coronal recon
- Tube voltage: 130 kV



Imaging of the lumbar spine with CARE i-Tilt

- Spiral 0.7 mm acquisition
- Spine inline 3 mm MPR Ranges
- Tube voltage: 130 kV

High-quality CT angiography

CT angiography is now routine in many institutions, especially where the stenosis evaluation of central vessels and stent planning are frequent tasks. High-quality angiography exams rely on good iodine contrast, sub-millimeter slices, and precise timing. SOMATOM go.Now can do all of this and more.

Its brand new, easy-to-understand interface emphasizes visual logic. This is evident, for example, in the new workflow timeline, which helps users fully understand the scan protocol and allows them to follow contrast timings at a glance.

Additionally, GO technologies increase the efficiency of your staff, irrespective of their level of experience. Check&GO, for example, verifies whether scan coverage is correct and contrast media properly distributed. FAST ROI automatically identifies regions of interest and monitors HU for the aorta in bolus-tracking examinations.

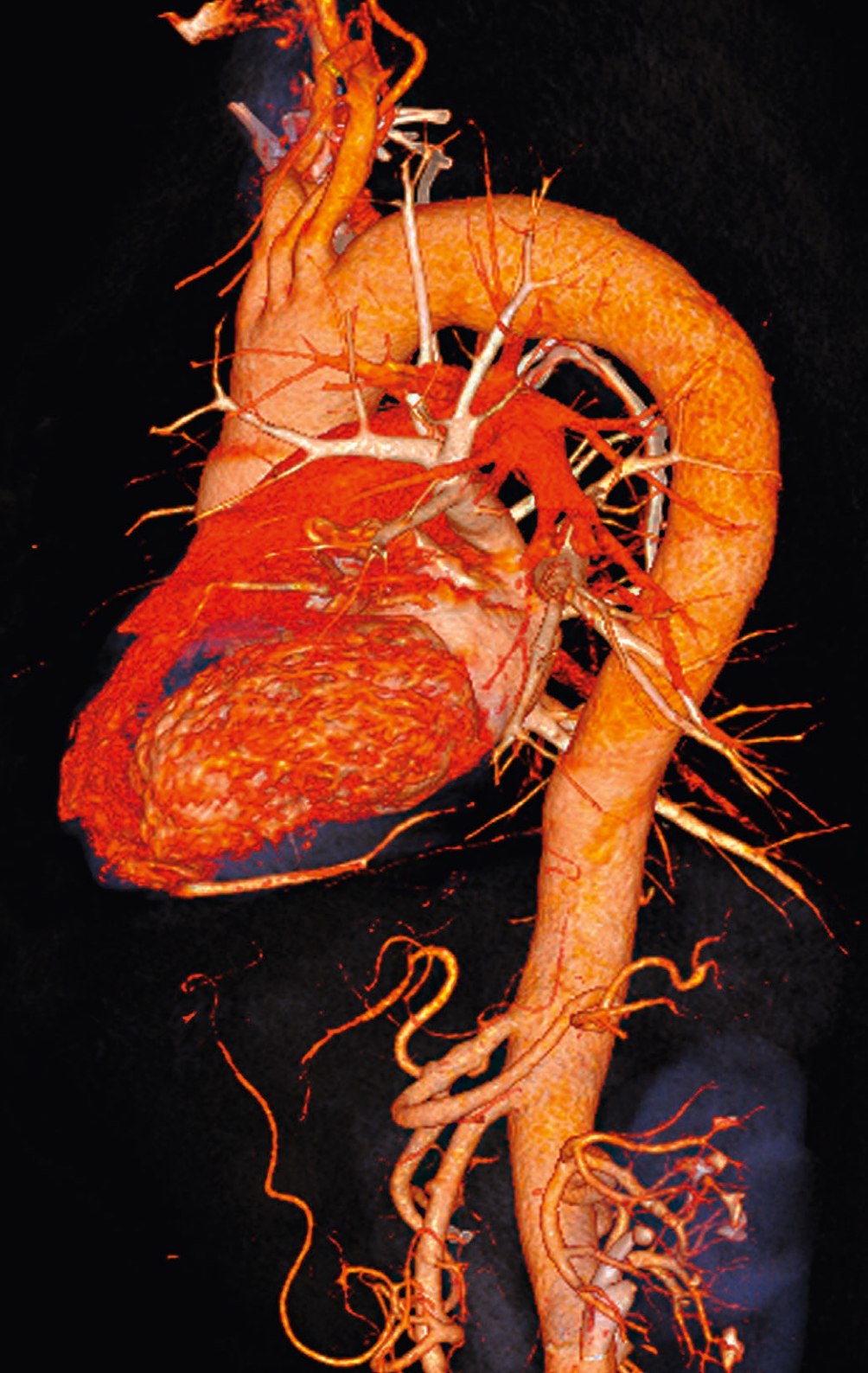
For efficient reading, CT View&GO provides automatic bone-free visualizations and tools to create curved planar reconstructions of any vessel with just two clicks.

Do you prefer to read your images directly in the PACS or film printer? Do you want to simplify communication with your referrers? Recon&GO offers inline bone-free angiograms and inline CPRs of the main vessels – ready-to-read in the environment of your choice.

High Power 80

High Power 80 (high mA values in 80 kV imaging) allows you to scan with 400 mA at 80 kV for enhanced iodine contrast, which, combined with always-on sub-mm collimation, is especially beneficial for small distal vessels. The increased iodine contrast of the image allows you to reduce the amount of contrast media considerably – for better patient care and reduced examination costs.

High power 80 is based on the mass attenuation coefficient. For lower photon energies, the mass attenuation coefficient of iodine increases, whereas soft tissue is less energy-dependent. This means that the iodine-to-soft-tissue contrast in the CT image will increase with low kV imaging – and lower average photon energy. This increase is extremely beneficial for contrast-enhanced studies.



CT angiography with low kV setting

- Spiral 0.7 mm acquisition
- VRT + bone removal in CT View&GO
- Tube voltage: 80 kV

Fast and precise routine neuro examinations

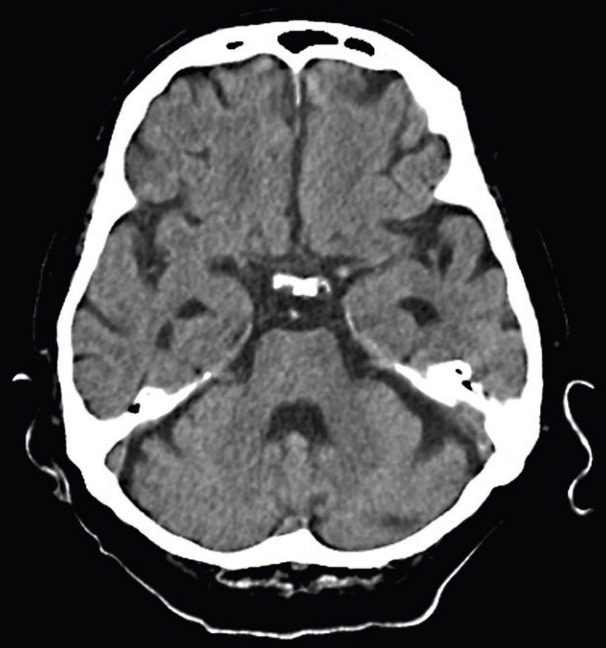
Thanks to Stellar detector technology and sub-mm collimation always-on, SOMATOM go.Now optimizes image quality and reduces dose in routine neuro examinations. High spatial resolution improves the imaging of very small bony structures such as those in the inner ear.

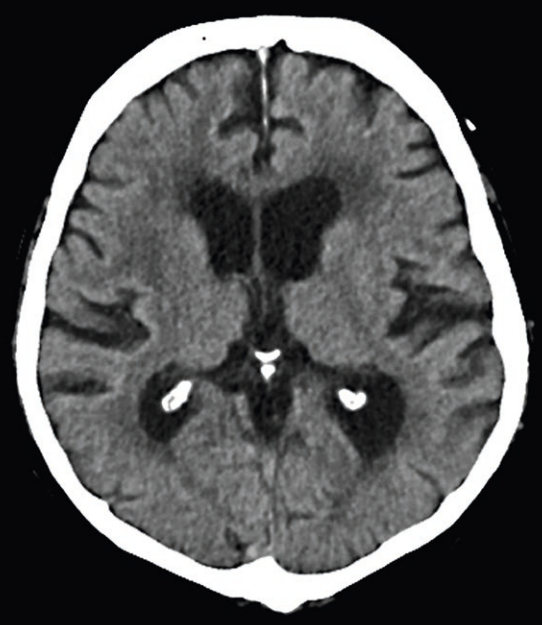
To display the patient anatomy properly, most neuro studies require dedicated reconstructions with orientations parallel to standard anatomies such as the orbitomeatal plane, the inner ear, and sinuses. Recon&GO makes it easier to integrate these into your clinical workflow by taking spiral data and creating inline anatomical ranges for standard neuro orientations. You can then view the ready-to-read reconstructions in your PACS, or in any other reading environment.

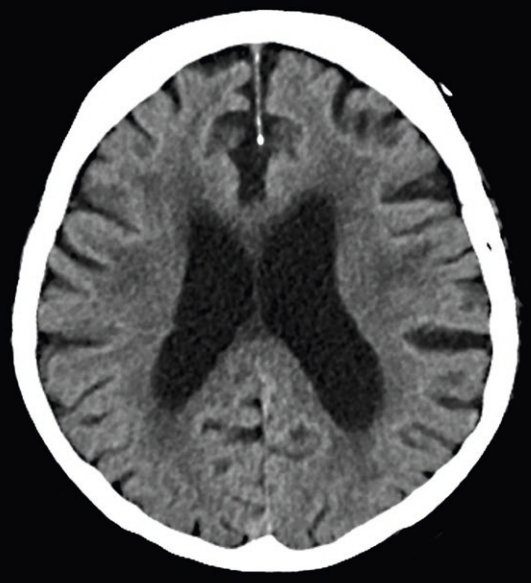
Sub-millimeter collimation

In addition to high power reserves in the generator and tube, SOMATOM go.Now features continuous 0.7 mm collimation across the full detector width. It therefore achieves uniform scanning over longer ranges without compromising spatial resolution or speed. Moreover, SOMATOM go.Now always provides the thin slice data necessary for flexibility in postprocessing.

Therefore, if you need further details, such as additional orientations or postprocessing tasks, you can retrospectively use inline results for additional reconstructions. You will find these reconstructions ready-to-read directly in your PACS, your film printer, or any other reading environment.







Routine brain imaging with i-Tilt and without contrast media application

- Spiral 0.7 mm acquisition
- Inline brain 5 mm MPR recon
- Tube voltage: 130 kV

Broaden your portfolio in preventive care

The potential benefits of early detection and preventive care in oncology and other pathologies are huge, but CT imaging only makes sense if you can achieve excellent image quality at very low doses.

Thanks to its low-dose technologies, SOMATOM go.Now allows you to rise to these challenges and cover, in particular, lung cancer screening and colon imaging. And thanks to sub-millimeter collimation in every scan, SOMATOM go.Now provides high spatial resolution and helps improve the detection of occult lesions.

For lung cancer screenings, low-dose lung protocols significantly reduce dose, while the benefits of CT imaging are clearly superior: The National Lung Cancer Screening Trial (NLST) has shown that a 20% reduction in mortality is possible when performing preventive exams with low-dose CT imaging instead of chest X-ray scans.

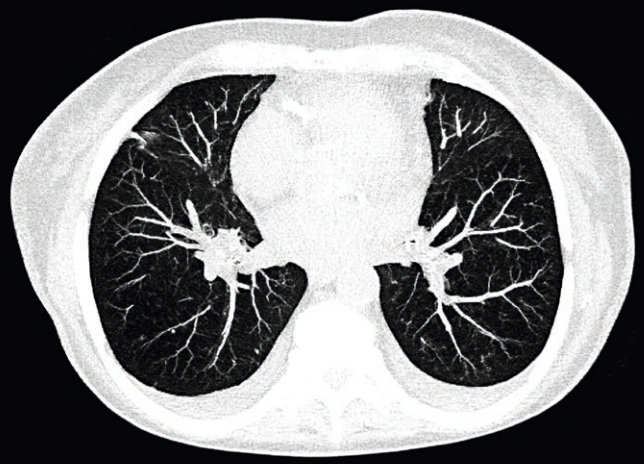
The non-invasive nature of CT colon imaging opens up early detection to more patients than conventional methods. Conventional colonography exams, after all, are unsuitable for some patients.

In addition, CT View&GO offers an endoscopic view and includes a Lung CAD second reader tool to give you greater diagnostic confidence in virtual colonoscopy and lung evaluations.

Tin Filter

Inherited from high-end dual source scanners, the Tin Filter cuts out lower energies to reduce dose and optimize image quality at the interface between soft tissue and air. This has direct benefits in lung and colon imaging, for example.

Clinical experience also shows that Tin Filter technology reduces beam-hardening artifacts and improves image quality in bony structures, making it also extremely useful in orthopedic examinations.



Low-dose lung imaging for nodule visualization

- Spiral 0.7 mm acquisition
- Coronal 1 mm MPR (above)
- and thick-slice MIP (below)
- Tube voltage: 110 kV + Tin Filter

Routine lung imaging for oncology assessment

- Spiral 0.7 mm acquisition
- Axial 1 mm MPR (above)
- and thick-slice MIP (below)
- Tube voltage: 130 kV

An investment like this means less risk.

Go for financial certainty with an all-in-one solution

SOMATOM go.Now is designed with an eye to reducing the costs associated with investing in and maintaining a CT scanner.

Purchasing a CT scanner generally involves two investments: the scanner itself, and a service contract that allows for high uptime of the scanner over its lifetime. Add to that the additional costs of building the required space, acquiring software licenses or buying replacement parts, and it soon becomes clear why smaller institutions in particular think twice before investing in a CT scanner.

In addition, unplanned downtimes – whether due to repairs or software updates – are a major financial challenge for institutions that rely on the uptime of their scanner to keep their business running.

To reduce avoidable costs, SOMATOM go.Now comes with an all-in-one solution for lower total cost of ownership (TCO). This begins with an attractive low initial investment thanks to the design of the scanner: The gantry-integrated computers and mobile workflow give you flexibility when setting up your CT room.

The scanner components and underlying software algorithms were specifically chosen for reliability, remote serviceability, and extended tube lifetime. And with the purchase of the scanner and its connection to the Siemens Remote Service infrastructure, you also receive Siemens Healthineers Connect Plan*, a multi-year embedded service package which includes standard spare parts**. The package also encompasses new, blended customer product training that allows continuous high-level education.

For you, this means streamlined training, fewer worries about downtimes or hidden costs, and, most importantly, access to affordable, high-quality CT.

* Powered by Siemens Remote Service. Siemens Healthineers Connect Plan is subject to regional adaptions/restrictions.

** Excluding X-ray tube and tablet. Additional tube and tablet coverage solutions are optionally available.

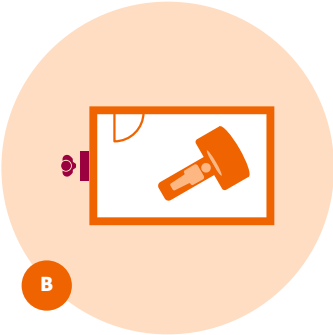
Low initial investment

A key aim of the overall SOMATOM go. concept was to minimize your initial cost of investment. The result is a system that makes a Siemens Healthineers CT scanner more affordable than ever.

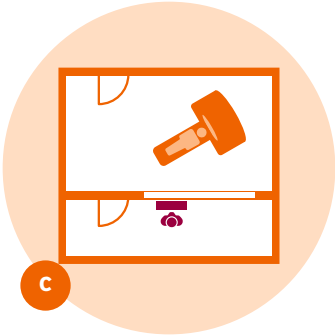
Two related elements that enable this are the new workplace design and the flexible room concept. Thanks to gantry-integrated computers, you no longer need to invest in a separate control room. Save on valuable space by having scanner and workstation in one single room. With the niche setup, operators are fully protected while the X-ray is on.

Alternatively, you can position the workstation outside the room or opt for the traditional control room setup. This means you don't have to adapt your infrastructure to the scanner – SOMATOM go.Now adapts to you, so installation costs stay low.

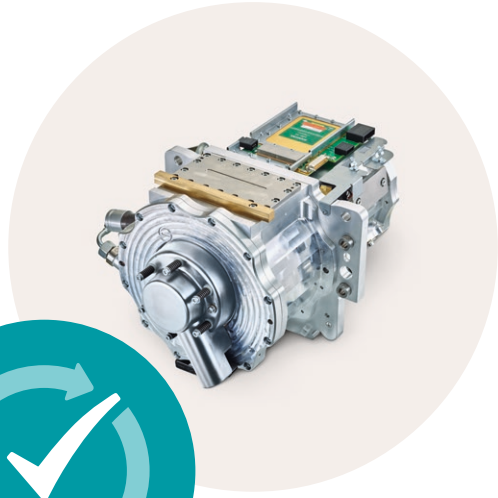
A) Follow the niche concept to work in the examination room.



B) Position the workstation outside the room, e.g., in the corridor.



C) Minimize the room requirements of a separate control room.



Improved tube lifetime and reliable components

The SOMATOM go. platform is equipped with durable components – such as the Stellar detector – that deliver outstanding reliability to keep the scanner running smoothly for longer. In addition, experts from the Siemens Healthineers Support Center provide ad hoc support whenever needed and quickly help identify and resolve any issues that might occur via Siemens Remote Service.

The improved reliability of the SOMATOM go. platform also extends to the heart of the scanner: the Chronon® tube. Featuring a highly robust design and 8.75 MHU equivalent anode heat capacity with SAFIRE, this X-ray tube is built to surpass the performance of its predecessor. By choosing tube coverage on top of the embedded service package, our customers benefit from more uptime and fewer service costs.

Siemens Healthineers Connect Plan*

With the multi-year service package, included in the system purchase price, SOMATOM go.Now redefines the way you get seamless support. You benefit from the financial confidence that comes with premium support powered by Siemens Remote Service for maintenance and remote repair, including spare parts** as well as access to innovative education channels***.

* Powered by Siemens Remote Service. Siemens Healthineers Connect Plan is subject to regional adaptions/restrictions.

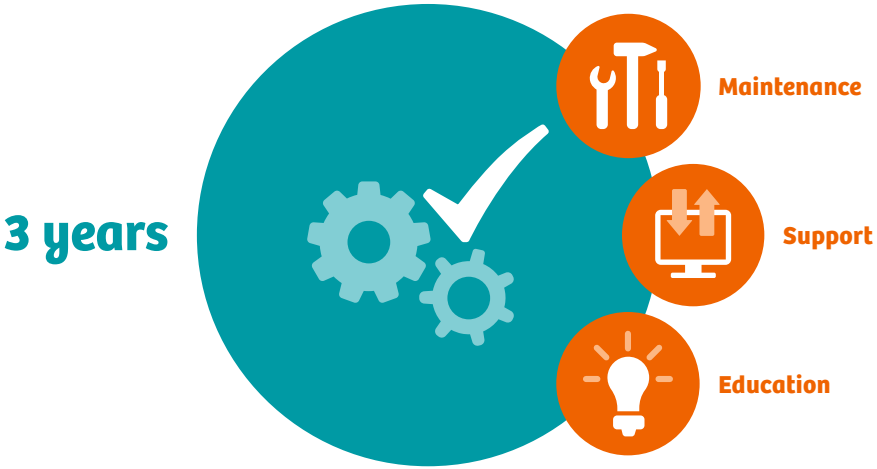
** Excluding X-ray tube and tablet. Additional tube and tablet coverage solutions are optionally available.

*** PEPconnect availability is subject to regional restrictions.

Break even fast

SOMATOM go.Now shrinks the gap between scanner acquisition and breaking even.

Based on investment costs for SOMATOM go.Now and on revenues generated with similar Siemens Healthineers systems, we expect the break-even point to arrive even sooner.



Siemens Healthineers Connect Plan* in detail

Our service model is an entirely new approach to improving scanner uptime, affording you financial certainty from day one. With many aspects of service – including spare parts** – covered in the scanner purchase price, you can look forward to higher uptime, improved workflows, efficient support, and streamlined training.

* Powered by Siemens Remote Service.
Siemens Healthineers Connect Plan is subject to regional adaptions/restrictions.
** Excluding X-ray tube and tablet. Additional tube and tablet coverage solutions are optionally available.

The maintenance part of the service package offers onsite preventive maintenance that will identify potential issues and resolve them before they become a problem. It also allows you to perform straightforward tasks yourself – such as installing software updates – which means you can schedule them for times that fit into your workflows.

In terms of support, the connection of SOMATOM go.Now with the certified Siemens Remote Service infrastructure allows our experts to keep an eye on the system and take corrective action if problems appear. It also means we can offer remote desktop sharing to guide you through protocols and examinations. If you encounter a fault with the scanner, FAST Contact* allows you to raise a service ticket easily. This triggers a call-back from our experts, who provide quick support to customers whenever they need it.

* Requires LifeNet access – subject to country-specific availability.

Blended learning in detail

Our service package also includes a new training concept. With the purchase of SOMATOM go.Now, you get free access to a blended learning program that combines self-study training material, face-to-face-training, and online learning via our PEPconnect* platform (personalized education plan). With SOMATOM go.Now, staff training can begin even before system delivery.

PEPconnect is our personalized mobile learning solution. It offers training material in all available user interface languages and targets different user groups. For maximum mobility and flexibility, PEPconnect is accessible from anywhere via PC, tablet, or smartphone. By providing training on new features as they become available, PEPconnect keeps you updated throughout the scanner's lifecycle.

* PEPconnect availability is subject to regional restrictions.

Onsite training with Siemens Healthineers application specialists includes initial setup after installation, and workflow training. You also receive interactive training material on your system that provides step-by-step guidance through clinical use cases, postprocessing tasks, and the basic system configuration for clinical administrators.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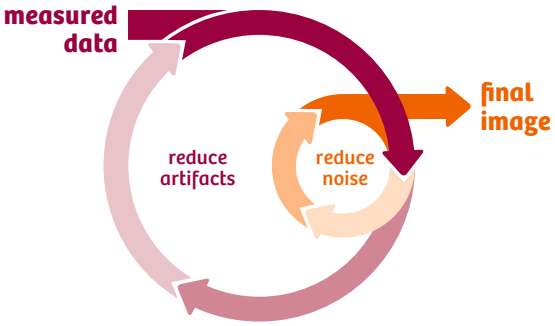
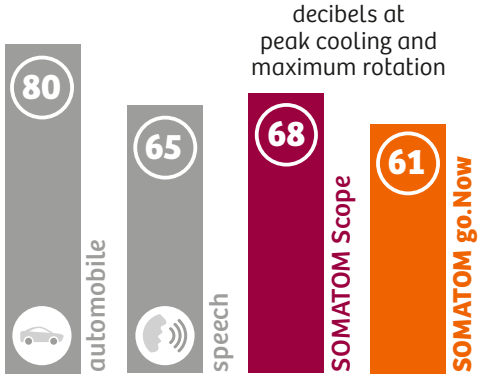
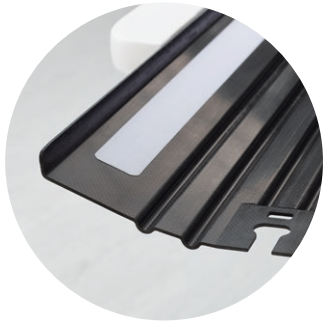
Further highlights

SOMATOM go.Now combines technical solutions from high-end scanners with brand new innovations. Profit from proven Siemens technology for advanced iterative reconstruction and gentle sound design – and discover practical new features.







SAFIRE

SAFIRE (sinogram affirmed iterative reconstruction) is an iterative reconstruction algorithm that delivers excellent image quality at low doses*. It is fast, simple to use, and can be easily implemented into daily routine.

Gentle sound design

SOMATOM go.Now is designed for less noise – meaning reduced sound pressure for both patients and staff. Thanks to targeted suppression of noise as well as optimized fan location and airflow, our gentle sound design contributes to an improved work environment.

New tabletop

The redesigned tabletop is thinner and allows X-ray to penetrate the material more easily. This means less attenuation due to scattering and absorption – resulting in less image noise. The new tabletop is therefore an important contributor to low-dose imaging.

* In clinical practice, the use of SAFIRE may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. 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.

Optional
High Performance Package

Benefit from additional operational and clinical flexibility by configuring your SOMATOM go.Now with the High Performance Package, a bundle of software and hardware options to boost your performance.

High Power 80

High Power 80 (high mA values up to 400 mA in 80 kV imaging) allows you to scan at 80 kV for enhanced iodine contrast and lower dose.

iMAR

iMAR* (iterative metal artifact reduction) reduces artifacts in wide variety of clinical situations – for higher image quality.

FAST Computers

Higher reconstruction rates with FAST IRS and more robust performance of CT View&GO with FAST Acquisition Workplace (AWP), enabling a wider range of postprocessing functionalities.

High speed 0.8 s

Increased volume coverage with a faster rotation time (0.8 seconds), providing extended clinical capabilities and reduced motion artifacts.

Additional features for CT View&GO

Spine Ranges: guided reconstruction of anatomically aligned spine curved planar reconstructions (CPR)
Lung CAD: highly sensitive and specific in lung nodule detection.

Additional features for Recon&GO

Inline Spine Ranges: time savings for a complete spine reconstruction, while reducing the risk of mislabeling
Inline Rib Ranges: automated rib labelling and numbering
Inline Lung CAD: assistance in the detection of pulmonary nodules during review of CT examinations.

* iMAR is designed to yield images with a reduced level of metal artifacts compared to conventional reconstruction if the underlying CT data is distorted by metal being present in the scanned object. The exact amount of metal artifact reduction and the corresponding improvement in image quality achievable depends on a number of factors, including composition and size of the metal part within the object, the patient size, anatomical location and clinical practice. It is recommended to perform iMAR reconstruction in addition to conventional reconstruction.

Technical specifications

Key data

Slices	16 (32 with IVR)
Rotation times	1.5 s, 1.0 s (opt. 0.8 s)
Tube	3.5 MHU (8.75 MHU*)
Power	32 kW (80 kW*)
High voltage	80, 110, 130 kV
mA	240 mA (opt. 400 mA) 600 mA (opt. 1000 mA*)
z-coverage	1.1 cm (16 x 0.7 mm)
Max. table load	160 kg (227 kg opt.)
Iterative reconstruction	SAFIRE

Innovative hardware

SOMATOM go.Now features a table that has a generous 125 cm scan range and can hold up to 160 kg. The standard table is fixed at a specially selected and fully operational height, and is equipped with newly designed accessories such as **1** a paper roll holder, **2** an infusion stand, and **3** a storage box on the side. Upgradable to the lifting comfort table.

* Equivalent value with SAFIRE

Engineering success. Pioneering healthcare. Together.

At Siemens Healthineers, we are committed to becoming the inspiring partner of healthcare providers worldwide, enabling them to deliver high-quality, affordable patient care in the demanding value-based environment.

As one of the world's leading medical technology providers, we are continuously expanding our portfolio of medical imaging, laboratory diagnostics, and advanced therapy solutions as well as further developing our digital and enterprise services and molecular diagnostics portfolio – all with the ultimate goal of helping providers achieve their success – clinically, operationally, and financially.

We lend our unique engineering skills and pioneering spirit to exploring opportunities and developing strategies together with our customers – as their inspiring partner, making their healthcare business thrive.

Now's our time to inspire the future of healthcare together.

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SOMATOM go.Now is pending 510(k) clearance, and is not yet commercially available in the United States.

Clinical images in this brochure courtesy of University Hospital Erlangen, Germany.

Siemens Healthineers Headquarters
Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen
Germany
Phone: +49 9131 84-0
siemens.com/healthineers