Ease all your CT demands

SOMATOM go.All
A fundamentally changing environment

The healthcare market is transforming. Apart from the ongoing consolidation of hospitals and diagnostic imaging centers, perhaps the two most prominent areas of change are reimbursement structures and demographics.

Healthcare providers are facing, for example, the shift toward outcome-oriented compensation models and an aging population with growing care needs for chronic diseases. In clinical practice, this often means having to manage an increasing number of patients at lower costs. At the same time, consolidation comes along with the need for smooth fleet management and standardized results across networks.

It is therefore vital for healthcare providers to stay efficient and competitive. They must find ways to increase efficiency and secure referrals by offering high-quality service that is standardized and personal.

“We want to help you achieve success daily. In order to help you address all CT demands with ease and efficiency, we developed SOMATOM go.All in close collaboration with you, our customers. For me, SOMATOM go.All therefore a direct expression of our aim to be an inspiring partner.”

André Hartung
Head of Computed Tomography Business Line 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 services for more – and older – patients. The market, however, also offers opportunities. For example, there is potential for increased income in the reimbursements of advanced clinical fields, such as cardiac CT, and in implementing innovative ways to increase patient throughput.

**Increase in life expectancy & world population**

<table>
<thead>
<tr>
<th>People born between</th>
<th>2010 – 2015</th>
<th>2045 – 2050</th>
</tr>
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<tbody>
<tr>
<td>Average life expectancy worldwide has been increasing and is expected to continue to do so.(^1)</td>
<td>70.1 years</td>
<td>77.1 years</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>World population in 2015 and estimated population by 2050(^1)</th>
<th>2015</th>
<th>2050</th>
</tr>
</thead>
<tbody>
<tr>
<td>World population</td>
<td>7.3 billion</td>
<td>9.7 billion</td>
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**Reimbursement cuts and consolidation**

- For Medicare and Medicaid patients, U.S. hospitals only received an average of 89 cents for every dollar spent in 2015.\(^2\)

**Demographic change**

As the world’s population is on the rise – and expected to reach 9.7 billion by 2050 – global life expectancy is also increasing. Providing for the care of a growing and aging population will put a severe strain on medical resources.

**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. Another phenomenon we are witnessing is the ongoing consolidation of healthcare providers – this mandates the standardization of processes to increase efficiency.
Out-of-pocket health expenditure

Growing expenditure

Total expenditure on healthcare in the U.S. is projected to grow from $2.5 trillion in 2009 to $5.6 trillion in 2025. As Medicare is a model for many healthcare systems worldwide, it is safe to predict similar trends in many other countries.

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.

Growth potential with coronary CT angiography

In 2016, CT angiography procedures constituted 11 percent of all CT procedures in the U.S., compared to 7 percent in 2007. This and a steady reimbursement payment make coronary CTA a valuable factor within the CT portfolio.

While virtually all CT sites perform pelvis & abdomen, spine, chest, brain, and head & neck procedures, an additional opportunity for healthcare providers lies in CT angiography (CTA). Its high sensitivity and negative predictive value for coronary artery diseases are established and proven. This and a steady reimbursement payment make coronary CTA a valuable factor within the CT portfolio.
Make success your daily business

In a market increasingly characterized by reimbursements based on quality of care rather than fee-for-service, healthcare providers must find new ways to secure income and referrals. It is therefore crucial for CT departments to meet all demands while maintaining consistent high-quality results.

We want to help you succeed day after day. This is why we developed the SOMATOM® go. platform. As a member of this platform, SOMATOM go.All enables all users to confidently take on advanced CT procedures. The scanner features a unique tablet-based mobile workflow, user guidance with our GO technologies, and exclusive innovations such as Tin Filter low-dose technology.

SOMATOM go.All is built for standardization of procedures and results, and allows operators to interact with patients in a more personalized way than ever before. It lowers your total cost of ownership with an all-in-one solution and supports the growth of your business with additional reimbursement opportunities.

SOMATOM go.All
Ease all your CT demands
SOMATOM go.All at a glance

How it all 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 would look like.

Having gathered a wealth of insights, we commissioned a group of 50 Siemens Healthineers engineers to build the best possible CT scanner for routine and chosen advanced tasks. 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.All is part of this platform.

Go for high performance with trendsetting workflows

For efficiency independent of the operator’s level of experience and a more personal interaction with the patient, SOMATOM go.All is built on a unique concept of mobile operation and workflow automation – for the first time available both in routine and advanced fields.

Go for clinical consistency with advanced tasks made easy

For consistent high-quality results, SOMATOM go.All allows operators to easily perform routine and chosen advanced tasks. Dedicated technologies and intuitive workflows safeguard the quality and consistency of the results of these tasks.

Go for business growth with an all-in-one solution

SOMATOM go.All features an all-in-one solution resulting in reduced total cost of ownership – while also opening additional reimbursement opportunities for business growth.
Patients and referrers have a choice

When it comes to health services, patients are better-informed compared to the past and referrers have a choice. In such an environment, your ability as a healthcare provider to meet their expectations is crucial. At the same time, intensified cost pressure makes efficiency in your workflow equally important. Efficient throughput management and the ability to fully focus on patients are often hindered by complicated scanner operation and cumbersome workflows, particularly in advanced clinical fields.

“Improving patient satisfaction” rated top priority

A 2016 market report asked respondents to name a priority for their CT department’s mission over the coming year. The top priority was to “improve patient satisfaction with their CT experience” (average rating of 4.7 out of 5).^7

How important is this to you?
Go for high performance with trendsetting workflows

For efficiency independent of the operator’s level of experience and a more personal interaction with the patient, SOMATOM go.All is built on a unique concept of mobile operation and workflow automation – for the first time available both in routine and advanced fields.
Work more efficiently and patient-friendly with the new mobile workflow

A central element of optimizing efficiency and improving patient comfort is an entirely new approach to operating the scanner. Built around a new mobile workflow, SOMATOM go.All features a line-up of innovative solutions. Tablet, remote control, camera, injector arm, and a new workplace design bring an unparalleled level of flexibility and mobility to daily CT procedures.

**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 it 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 previewing 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 scan remotely. Then, end examinations smoothly by moving the table into the unload position as soon as the scan is over.

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 micromovements 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.

Injector arm

The unique gantry-mounted injector arm of SOMATOM go.All lets you position the injector where you need it, when you need it. While a traditional injector cart is often in the way, the injector arm makes for a neat and organized working environment and still lets you flexibly arrange the injector.
Thanks to gantry-integrated computers, SOMATOM go.All 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.

The image on top visualizes a standard workflow with the operator spending most of the time in the control room. The unique new workflows of SOMATOM go.All, shown below, are based on tablet operation and automation. They allow users to spend most of their time with the patient – which results in higher efficiency, higher patient comfort, and fewer motion artifacts.
Automate your workflow with GO technologies

Another important factor contributing to high performance, independent of the operator’s level of experience, is workflow automation. SOMATOM go.All features a holistic set of intuitive solutions that addresses your workflow not only at the scanner but also beyond. These features are now available for the first time in both routine scanning and advanced clinical fields. 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 key factors for 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 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. The FAST ROI feature automatically identifies regions of interest and monitors HU for the aorta and pulmonary trunk 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 directly at the scanner – 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. At the same time, advanced CAD algorithms and applications boost sensitivity and specificity in diagnoses. For additional flexibility, CT View&GO is available as an independent console with the same tools known from the scanner.

FAST, CARE, and GO
Proven for years, fully assisting scanner technologies (FAST) bring speed and efficiency to daily CT routines. They make complex procedures more intuitive and enhance consistency through standardized workflows. Combined applications to reduce exposure (CARE) optimize dose level and image quality, and offer patient-friendly scans with parameters adapted to the individual anatomy. FAST, CARE, and GO help you deliver better results, make your scanning safer, and devote more time to taking care of your patients.

“The mobile workflow: More than ever, the patient is in the center of the whole examination.”

Carla Susana Ribeiro Pinto
CT radiographer at Centro Hospitalar de São João, Porto, Portugal
Consistency depends on staff

In order to achieve clinical consistency in CT imaging, you need efficient daily operations. This can be difficult, particularly when facing tasks that are only performed occasionally, such as cardiac or CT-guided intervention. Such tasks can pose a challenge to operators with less experience.

Chance of diagnostic misinterpretation

According to a scientific study, incorrect ECG lead fixation and a lack of signal check directly result in step artifacts. These and other image artifacts are among the main reasons for diagnostic misinterpretation in cCTA.8

How much do you think you could improve through intelligent guidance in a time-critical situation?
Go for clinical consistency with advanced tasks made easy

For consistent high-quality results, SOMATOM go.All allows operators to easily perform routine and chosen advanced tasks. Intuitive workflows and dedicated technology help you optimally handle patients and procedures. Take advantage, for example, of efficient contrast media management solutions and cardiac-specific mobile protocols.
Simplicity in routine CT

Deliver consistent, reliable results in routine CT. Intuitive workflows and cutting-edge technologies bring automation and simplicity to oncology, vascular, orthopedic, and neuro imaging.
Intuitive functions in CT-guided intervention
Benefit from Guide&GO, the first tablet-based solution for CT-guided interventions. Control the entire procedure from the tablet and remote control, and navigate images using intuitive touchscreen functions familiar to any smartphone user.

Sensitive scanning in pediatrics
Help parents and children feel at ease during pediatric scanning. The mobile workflow allows you to stay with the child for longer, while dose-reduction technologies offer safe scanning that reassures parents.

Standardized stroke workflow in neuro CT
Achieve leading door-to-needle times with fast, accurate information in stroke diagnosis. Excellent gray/white matter differentiation, dynamic imaging, and high acquisition speed all enhance patient outcomes.

Clinical consistency in cardiac CT
Make cardiac procedures intuitive and consistent. GO technologies automatically guide you through the entire workflow, so you can enter this challenging advanced field with confidence.
With smooth, intuitive workflows and dedicated cutting-edge technology, SOMATOM go.All helps you produce consistent, reliable results in routine CT. This boosts diagnostic confidence in oncology, where Tin Filter technology also enables low-dose lung cancer screening and colonoscopy procedures. With FAST Topo, the topogram scan is now always performed with ultra-fast 20 cm/s. High Power 70 and tools to optimize the amount and timing of contrast media simplify angiography. The powerful combination of Tin Filter technology and iMAR® metal artifact reduction delivers excellent outcomes in orthopedics. Finally, the high-end Stellar detector and sub-millimeter collimation provide excellent gray/white matter differentiation for neuro examinations.

**High spatial resolution**

SOMATOM go.All features continuous 0.7-mm collimation across the full detector width. This means it achieves uniform scanning over long ranges at high spatial resolution and speed. Also, the detector always provides the thin slice data necessary for flexibility in post-processing.

In addition, the Stellar detector – known for its reduced electronic noise – is equipped with an advanced 3D antiscatter collimator for precision imaging. This high-end technology is carefully manufactured to minimize scattered radiation and produce outstanding high-resolution images with minimal noise.
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.

SOMATOM go.All is your reliable partner for fast and consistent low-dose imaging in oncology. Tin Filter technology cuts out lower energies to reduce dose and optimize contrast between soft tissue and air. This has direct benefits for imaging areas such as the lungs, colon, and sinuses.

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

Tin Filter

Inherited from high-end dual-source scanners, Tin Filter technology cuts out lower energies to reduce dose and optimize contrast between soft tissue and air. This has direct benefits for imaging areas such as the lungs, colon, and sinuses.

Clinical experience also shows that Tin Filter technology reduces beam-hardening artifacts and improves image quality in bony structures, making it extremely useful in orthopedic examinations.
Orthopedic imaging demands precise low-dose scanning, long ranges, and high spatial resolution. For optimal outcomes, you also need technology that can handle metal artifacts so that they do not compromise diagnostic quality.

SOMATOM go.All makes precision orthopedic imaging easy, with reliable tools to support high-quality scanning for all types of patients. Tin Filter technology lowers dose and improves imaging at the interface of soft tissue and bone. The Stellar detector acquires thin slices for accuracy and high spatial resolution in small structures and fractures. Recon&GO reduces post-processing steps with zero-click, anatomically corrected orientations for reliable diagnosis, and iMAR reduces metal artifacts without increasing dose.
Simple, sharp vascular imaging

CT angiography for vascular imaging is now routine in many institutions. High-quality angiography exams need good iodine enhancement, sub-millimeter slices, and precise timing. SOMATOM go.All turns this complex juggling act into a smooth and simple procedure for any user, with dedicated tools that boost image quality and help you get the contrast amount and timing right.

By allowing you to scan at 70 kV, High Power 70 delivers low dose and the high iodine contrast that is key to vascular imaging. For proper contrast distribution, you can rely on support from FAST ROI and Check&GO, while thin-slice imaging brings you optimal resolution and fast scan speed. To save you time, Recon&GO offers zero-click inline CPR of the main vessels and bone removal.

High Power 70

High Power 70 allows you to scan at 70 kV with up to 825 mA. The Athlon tube is responsible for this impressive value and is the reason why SOMATOM go.All offers the highest tube current in its class. High Power 70 achieves outstanding iodine contrast for extremely sharp images, even in small distal vessels. The high contrast also enables considerable reductions in contrast media, which benefits your patients and reduces examination costs.

High Power 70 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.
Tin Filter

Interventional procedures usually require multiple scans. Tin Filter reduces dose in each of them. At the same time, it enhances contrast between soft tissue and air. This results in significantly less accumulated dose for both patients and interventionists. By reducing beam-hardening artifacts, Tin Filter is also an important improvement for other CT-guided intervention techniques, such as spinal injections.

Guide&GO: intuitive functions in CT-guided intervention

CT-guided interventions play a major role in healthcare. In the U.S. alone, almost one in two sites performed at least three such procedures every day in 2016. Dedicated technology that can simplify workflows and maximize safety will help you optimally handle these procedures and patients.
iMAR

Artifacts due to metal implants or to the tool used in the interventional procedure (e.g., RF ablation) often hamper image quality. In these cases, accurate targeting can be impossible. iMAR, which is smoothly integrated into the tablet workflow, reduces these artifacts – and improves confidence even in areas adjacent to metal implants.

Simple and familiar tablet operation

SOMATOM go.All features Guide&GO, the first tablet-based solution for CT-guided interventions. Built on the new mobile workflow, it is both familiar and easy to use. You can control the entire intervention with the tablet and the remote control – no need for ceiling-mounted displays or joysticks – and the tablet cover means you can use it even in sterile environments.

Needle guidance is supported by the highly intuitive image manipulation functions we know from our smartphones, like zoom or pan. You can also save table positions for simple patient positioning and accelerate workflows with an auto-repeat function for sequential scans.

Additionally, Guide&GO voice control eases the tablet operation with dedicated vocal commands and keeps your hands free.

Safe and accurate at low dose

In terms of safety, Tin Filter technology reduces dose to protect the patient and the interventionist.

For precision in your work, intuitive touchscreen functions at your fingertips help you quickly find the right position for the needle and measure relevant distances with the support of a magnifying glass functionality. Fast toggling between predefined image windowing or between the i-sequence and the spiral planning scan makes it easy to cross-check the anatomy. Laser crosshairs offer additional accuracy and confidence. Finally, the flexible goose-neck tablet holder can be adjusted to your individual needs for a safe and comfortable working environment.
For young patients – and their parents – pediatric CT can be daunting. Children are often anxious about entering the scanner, and parents worry about radiation levels. An easy-to-use system that calms patients, reduces dose, and achieves high image quality will relax parents and children, and help you perform confidently in this advanced field.

Stay close to your little patients

With its mobile workflow, SOMATOM go. All offers easy pediatric CT scanning that puts patient and parent comfort first. Scan&GO enables preparation directly at the scanner, so you and the parents can stay with the child as long as possible. During the scan, the Halo moodlight entertains patients while you keep an eye on them with the gantry-integrated camera. These solutions also benefit image quality, since relaxed children create fewer motion artifacts.
Minimize dose levels for children

Minimizing dose is key in pediatrics, which is why SOMATOM go.All is equipped with targeted solutions for reducing dose in children: CARE kV, for instance, automatically selects the lowest kV for your patient, while CARE Child offers dedicated 70 kV protocols. Our 10 kV Steps feature personalizes dose, and CARE Dose4D™ tailors mAs levels to the size and shape of the patient. Additional advanced technologies – Tin Filter, Check&GO, and SAFIRE™ iterative reconstruction – help you scan accurately at low doses and achieve excellent detail visualization for better patient care.

Another tool that enhances image quality in challenging pediatric cases is Check&GO. By automatically checking for proper coverage and contrast distribution, it gives you the consistent results you need for confident diagnoses. After the scan, Recon&GO produces automated, standardized reconstructions that allow you to devote more time to your patient.

CARE kV, 10 kV Steps, CARE Child

CARE kV automatically tailors tube voltage to each patient and clinical indication. With optimal kV levels in every case, CARE kV keeps dose low, making it ideal for pediatric imaging. It further simplifies the process by aligning the tube current with the selected kV.

Our unique 10 kV Steps feature also helps you tailor voltage to your patient. It can adjust the level at intervals of 10 kV for less dose and high contrast resolution.

CARE Child offers a range of targeted solutions for minimizing radiation exposure while maintaining diagnostic image quality. Pediatric protocols automatically set a low tube voltage – in most cases 70 kV – while CARE Dose4D optimizes dose distribution and offers special modulation curves.
One in six people will suffer a stroke at some point in their life. Time is of the essence here: Reducing door-to-needle times by 15 minutes can extend patient survival chances by an average of 5 percent. We can help you achieve comprehensive stroke assessment with advanced tools that allow you to handle challenging stroke cases with speed and precision.

SOMATOM go.All enables a consistent, smooth stroke workflow that keeps you close to the patient. It delivers fast, accurate information about bleeding, infarct size, and clot location, allowing you to quickly answer the three key questions of stroke diagnosis.

The Stellar detector helps you establish or rule out bleeding swiftly and reliably, as its sub-millimeter collimation, low electronic noise, and high channel density mean that it excels at gray/white matter differentiation. In addition, Recon&GO automatically produces standardized orientations to overcome challenging situations where patients might be incorrectly positioned or unable to cooperate.

Standardized stroke workflow in neuro CT
Fast and confident decision-making

When it comes to identifying the infarct and tissue at risk, dynamic imaging allows you to make confident diagnostic and treatment decisions. Neuro Perfusion offers a guided or automated workflow at the scanner console that helps all operators, regardless of experience, assess perfusion results. We also help you protect your patients during these critical examinations: With the highest tube current in its class, SOMATOM go.All allows you to minimize dose with low kV protocols (down to 70 kV). In addition, 4D Noise Reduction further reduces radiation exposure.

For the third step – locating the clot and planning the intervention – we bring you high acquisition speed that allows you to perform arch-to-vertex CTA quickly and accurately. FAST ROI and Check&GO are on hand to help you achieve optimal contrast timing and proper distribution – and with its Neuro DSA feature, CT View&GO helps you produce bone-free visualizations with a single click and no extra dose.

Excellent stroke assessment thanks to high-end detector technologies in combination with the comprehensive CT View&GO perfusion workflow.

Stellar detector

The Stellar detector features fully integrated components for low image noise in every scan, while advanced iterative reconstruction from SAFIRE® delivers superb image quality at very low doses. The result is excellent and homogenous images, even in complex areas such as the base of the skull.

The detector has 768 channels. This high channel density is a major benefit for neuro imaging: It delivers an exceptionally fine resolution for superb gray/white matter differentiation and reduced beam-hardening artifacts at the posterior fossa, allowing you to identify subtle changes in Hounsfield units (HU).
Easy acquisition and consistently crisp visualization through an intuitive mobile and guided workflow with automated Recon&GO results

CT coronary with low kV and the GO technologies
• 0.6 mm MPRs, Cinematic VRT
• Tube voltage: 100 kV
• CTDIvol: 24.8 mGy

Courtesy of Centro Hospitalar e Universitario de Coimbra, Portugal
Clinical consistency in cardiac CT

Cardiovascular diseases account for roughly a third of all deaths worldwide. Many CT departments have to handle this clinical field, but the examinations are particularly challenging if your institution performs them only occasionally. Yet even if this area is not your specialty, you can grow your CT business with a solution that helps you deliver consistent, high-quality results in every cardiac case.

Cardiac CT made easy

SOMATOM go.All introduces intuitive cardiac procedures for any user, regardless of experience. GO technologies are seamlessly integrated and provide guidance and support for the entire cardiac workflow. From patient preparation to image reading, everything is automated and standardized – allowing you to enter this advanced clinical field with confidence.

Before the scan, Scan&GO allows you to prepare the entire procedure without leaving the patient’s side. It simplifies electrode handling and ECG monitoring, and enables personalized breathing instructions to improve patient comfort and therefore image quality.

Monitor image quality on the fly

During the scan, Check&GO helps you prevent errors as you work by identifying potential mistakes with scan coverage and contrast distribution in the coronaries. You can also confidently review quality-control images on the tablet in real time, whatever your level of expertise.

After the scan, Recon&GO automatically produces ready-to-read results for instant evaluation. Zero-click CPR reconstructions of the main coronaries and standard views of the cardiac planes, as recommended in the SCCT guidelines, save you time when ruling out coronary artery disease.
Thinking business

Financial considerations are an important driver in today’s CT business. Whether it is about expanding your portfolio or reducing overhead expenditure, a new CT scanner should help you lower running costs and increase revenue.

Underpayment by Medicaid and Medicare

Comparing cost and reimbursement received in 2015, U.S. hospitals faced a combined USD 57.8 billion in underpayment, forcing healthcare providers to find ways to keep costs as low as possible.

What can be done to still ensure high-quality services?
Go for business growth with an all-in-one solution

SOMATOM go.All features a flexible all-in-one solution that covers everything you need around the scanner. For optimal balance between cost position and your growing needs.
A boost for your business

Entering new clinical arenas with SOMATOM go.All is a chance to give your CT business a new push forward. Our intuitive workflows, for instance, open up additional reimbursement opportunities. Additional revenues can also be generated through higher throughput – based on quicker positioning, simplified workflows, and the high-performance Athlon® tube. Add to that lower installation expenditure and running costs, and you’ll see why we say that the SOMATOM go platform was built to make a success of your daily business.
Maximize patient throughput
Scan preparation gets much more efficient with Scan&GO. The same is true for scan wrap-up with Recon&GO. Combine this with the Athlon tube with its high-end cooling technology, and SOMATOM go.All helps you achieve a whole new level of patient throughput.

CT View&GO makes reading much easier and more efficient, providing all tools in one workflow. The tools of CT View&GO are now also available as a standalone solution with optional hardware for additional flexibility. This syngo.via View&GO provides the ideal performance boost when higher throughput needs to be managed. Offering integrated cross-specialty viewing, and supported by a brand-new software only concept, it is an all-in-one solution that comes with the same tools and the same look-and-feel as your scanner interface. Therefore, you will not need additional training for your staff. And because you won’t have to invest in further software licenses, it keeps your initial investment low. Just set your workplace up and run it – to manage more patients and increase reimbursements.

Low installation costs
A key aim of the overall SOMATOM go. platform was to minimize your installation costs. 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. No matter which of the following three concepts you choose, your operators are fully protected while the X-ray is on:

A Niche setup in the examination room
B Workstation outside the room, for example in the corridor
C Traditional control room setup

With the new injector arm, installation costs for ceiling mounting of the injector are also a thing of the past. This means you don’t have to adapt your infrastructure to the scanner – SOMATOM go.All adapts to you, so installation costs stay low.

Siemens Healthineers Connect Plan
The Siemens Healthineers Connect Plan is an all-new service plan that comes standard with the investment of SOMATOM go.All. It fully utilizes the capabilities of the connection to our digital platforms – SRS, PEPconnect, LifeNet – and to our remote services. This allows you to receive seamless support. It covers the second and third year after system purchase and gives you the financial confidence of premium service, matching your total cost of ownership requirements. Additionally, you can optionally upgrade to a full service contract.
Our service plan 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.

The system performance 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 between SOMATOM go.All and the certified Smart Remote Services 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.
**Blended learning with PEPconnect**

Improve your skills and qualifications with the industry’s first online personalized education experience – PEPconnect.

The purchase of SOMATOM go. All gives you access to blended learning and performance support activities on PEPconnect to enhance performance and competency.

With PEPconnect, you can begin your training even before the arrival of your SOMATOM go. All system. And with multidevice accessibility, you experience your choice of learning sessions anytime and anywhere.

Benefit from the broad portfolio of competency-based performance support and social learning activity within PEPconnect, providing individual learning experiences in the healthcare world.

Stay on top in your profession with PEPconnect and make a difference in your patients’ lives.
Further highlights

SOMATOM go.All combines technical solutions from high-end scanners with brand new innovations. Profit from proven Siemens Healthineers technology for smart data analysis and gentle sound design – and discover practical new features.

teamplay apps

With SOMATOM go.All and our cloud-based performance management solution teamplay, you will get a transparent overview of your system data. teamplay helps you identify areas of improvement and monitor your imaging fleet’s performance. In addition, it distributes one master protocol to all your SOMATOM go. scanners – for consistent quality.

Gentle voice and sound design

SOMATOM go.All is designed for less noise – and reduced sound pressure for patients and staff. Thanks to targeted suppression of noise as well as optimized fan location and airflow, our gentle sound design improves your working environment and increases patient comfort. Furthermore, allow patients to benefit from gentle voice guidance of breathing instructions due to a new voice design, intended to reduce motion artifacts.

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.
Optional High Performance Package

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

**High Power 70**
Extraordinarily high tube currents of up to 825 mA (the highest in this class of scanner) allow you to scan virtually every patient at the optimal kV level (down to 70 kV) for enhanced iodine contrast and lower dose.

**iMAR**
iMAR³ (iterative metal artifact reduction) reduces artifacts in wide variety of clinical situations – for higher image quality.

**FAST Computers**
Maximize your reconstruction speed with ultra-FAST IRS (image reconstruction system) computers, and increase patient throughput and system performance.

**High speed 0.33 s**
Increased volume coverage with a faster rotation time (0.33 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.
- **syngo.CT CaScoring**: provides total and relative Calcium Scoring with Coronary Age calculation based on trial data.

**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 labeling and numbering.
- **Inline Lung CAD**: assistance in the detection of pulmonary nodules during review of CT examinations.
Technical specifications

Key data
Slices .................. 64 (IVR)
Rotation times .... up to 0.33 s
Tube .................. 6.0 MHU
                   (15.0 MHU equivalent value)
Power .................. 75 kW
                   (187 kW equivalent value with SAFIRE 12)
High voltage ........... 70–140 kV in 10 kV steps,
                       Sn100, Sn110, Sn120, Sn130, Sn140
mA .................. up to 825 mA
z-coverage ........... 2.2 cm
Max. table load ...... up to 307 kg

Innovative hardware
SOMATOM go.All has a patient table with a scannable range up to 160 cm that can hold up to 227 kg. The table 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 table that can hold up to 307 kg and has an extended scannable range of 200 cm.
Why Siemens Healthineers?

At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey towards expanding precision medicine, transforming care delivery, and improving patient experience, all enabled by digitalizing healthcare.

An estimated 5 million patients globally everyday benefit from our innovative technologies and services in the areas of diagnostic and therapeutic imaging, laboratory diagnostics and molecular medicine, as well as digital health and enterprise services.

We are a leading medical technology company with over 170 years of experience and 18,000 patents globally. With more than 48,000 dedicated colleagues in 75 countries, we will continue to innovate and shape the future of healthcare.
Footnotes


9 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 location in addition to conventional reconstruction.

10 Cinematic Rendering performed with syngo.via Cinematic VRT. Cinematic Rendering is recommended for communication, education, and publication purposes and not intended for diagnostic reading.


12 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. As determined from SOMATOM Definition Flash data, SAFIRE enables up to 60% dose reduction. Data on file.


17 Powered by Smart Remote Services. Siemens Healthineers Connect Plan is subject to regional adaptions/restrictions.

18 PEPconnect availability is subject to regional restrictions.

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

20 Requires LifeNet access – subject to country-specific availability.
On account of certain regional limitations of sales rights and service availability, we cannot guarantee that all products included in this brochure are available through the sales organization of Siemens Healthineers worldwide.

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