



Sustainable molecular imaging solutions for a resilient tomorrow

StarGuide™





Creating a more sustainable future requires we care for the planet and its inhabitants.

It is essential that we continue to drive progress toward early, precise, and accessible diagnosis and treatment of more patients. For the planet, it is critical that we do so with a reduced impact on precious and rare resources that are imperative to life. We believe that the advancement of precision health, greater digitization of healthcare, and increased access to quality care are fundamental to accomplishing this goal.

We support carbon policies that reduce greenhouse gas emissions and promote sustainable development. We are committed to achieving net zero by 2050 and are part of the UN-backed “Race to Zero,” with a goal of reducing emissions based on the Paris Agreement. We’ve also set a public goal to achieve a 50% reduction in our own operational emissions by 2030. As a result of these efforts, we want to enable a more sustainable health system by addressing not only the environmental impacts of our products but also the challenges healthcare professionals and their patients face with resilient, digital options.



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We’ve set a public goal of a **50% reduction** in our own operational emissions by 2030.

**We deliver sustainable,
intelligently efficient
solutions for a resilient
tomorrow.**

Building a healthier world to
help improve access to care and
enable better patient outcomes.



Green

Using fewer resources for a healthier planet.

Digital

Transforming healthcare through innovation.

Resilience

Building flexibility and dependability across healthcare systems.



StarGuide™ helps create a resilient tomorrow.

Our StarGuide™ SPECT/CT system and its services help ensure that radiology professionals and the patients they serve have the technology necessary to create a sustainable and resilient tomorrow.

Reducing environmental impact

- Compact scanner design
- Click & Go streamlined operation
- Innovative CT Smart Dose technologies

Improving outcomes

- Fits in rooms where SPECT-only scanners were installed before
- Efficient scanning with automatic patient positioning
- OptiDose, Q.AC, VISR, and ASiR to enable reduction of patient dose





Contributing to a healthier planet

More than half of the healthcare sector’s climate footprint, approximately 53%, is attributable to energy use.¹ As a result, we have strengthened our commitment to environmentally conscious design and sustainable practices across our product manufacturing, sourcing, distribution, installation, and service operations. This includes improving energy efficiency, optimizing the use of limited or rare materials, providing digitally enabled and remote predictive and maintenance service throughout the product lifespan, and offering refurbishment and recycling options at the end of product life.

GE Healthcare environmental management system is ISO 14001 certified

Our production and service operations align to ISO 14001 standards.

We’re committed to environmental product design

This product conforms with IEC60601-1-9:2007.

Materials

GE Healthcare reviews the environmental aspects of the material supply used within our products to increase recyclability and decrease the use of hazardous substances, when possible.

Recyclable

Materials are recycled according to the WEEE Passport.

Reduce the use of hazardous substances

EU RoHS directive 2011/65/EU

Manufacturing

Through our environmental reviews, we also focus on implementing renewable energy and reducing waste.

Renewable energy

95% of materials used in the system are recyclable.²

¹ Health care climate footprint report | Health Care Without Harm (noharm-uscanada.org)

² Data on file.



Product utilization

Our imaging products are designed to help enable energy efficiency through dedicated features and advanced applications to reduce the environmental impact.

Patient setup and positioning

Optical Scout technology quickly and accurately creates a 3D optical scan of the body habitus for fast and automated positioning of each detector and rapid transitions between imaging positions.

Swift Plan workflow, including bedside table ruler, advanced automation robotics, interactive bedside display & Optical Scout enables minimization of the patient's time on the camera, as well as a user's exposure to a patient's injected dose.

Reliable scheduling by replacing planar exams with the predictable, repeatable scan times of 3D-only protocols may minimize the need for additional views, reduce scheduling overruns, and shorten patient wait times.

Optical Scout, Swift Plan, SmartConsole, and Focused Imaging are important factors in helping reduce the need for inconvenient and anxiety-inducing rescans.

Guidance for product utilization

Instructions are provided for use of the equipment to minimize the environmental impact during installation, use, and operation.



End of product life

We are increasingly putting our retired products' materials back into the supply chain to maximize efficient use and minimize unnecessary waste. This circularity model enables our imaging products to extend their clinical impact through longer lifespans while reducing the environmental footprint. Additionally, we offer our customers partnered support for upgrades and services throughout a product's lifespan to maintain optimal performance and help drive better patient outcomes.

Our refurbishment programs involve an extensive inspection and testing process, designed to bring equipment back to its original certified manufacturing specifications. If the system is not suitable for refurbishment, eligible parts are harvested for reuse after quality and performance testing, while the rest are returned to dedicated recycling facilities.

Guidance for end of lifecycle

Equipment instructions are provided to minimize the environmental impact for disposal or recycling.

Upgrades

Hardware and software options are provided as a solution to extend the product lifespan.

Parts harvesting and refurbishment: options are provided to reduce waste and environmental impacts while extending imaging access to less advantaged regions.

CT and SPECT system parts are eligible for assessment through the refurbishment program, in which they are assessed for refurbishment, harvesting, or recycling at the appropriate time in the lifespan.³

94–96% of most systems are reused, refurbished, or recycled, extending the lifetime of each product.³

Waste reduction

This system is in accordance with Waste Electrical and Electronic Equipment (WEEE) regulations.

³ Products within MR, CT, nuclear medicine, PET/CT are eligible for refurbishment, although whether a system is actually refurbished versus harvested for parts or otherwise recycled or reused, is dependent on the state of the system when GE Healthcare takes possession of it. Data on file.



GE Healthcare product stewardship commitment

For more than 20 years, GE Healthcare's GoldSeal program has played a vital role in reducing medical imaging equipment waste by promoting and enabling the reuse of equipment and parts from de-installed imaging systems. After undergoing an extensive inspection and testing process, GoldSeal equipment is refurbished to meet the original system specifications. Buyers of GoldSeal MRI, CT, or PET/CT products can save on the acquisition costs associated with buying new equipment. Machines deemed unsuitable for GoldSeal refurbishment are dismantled at end of life, and after successfully passing acceptance testing criteria, specific parts are harvested for reuse. Where harvesting is not appropriate, GE Healthcare recycles about 94–96% of most systems. In a typical year, GoldSeal refurbishes approximately 8,000 pieces of imaging machines and ultrasounds.

NEW PRODUCT PURCHASE OR LEASE

GOLDSEAL PROGRAM: LEASE RETURN PRODUCT OR BUYBACK

- Comprehensively refurbished and/or remanufactured
- Updated with new software
- Recertified following all FDA requirements
- Equipment backed with 1 year, same-as-new equipment warranty

RECLAIM FOR PARTS AND MATERIALS

Identify parts for refurbishing and/or repurpose

END OF LIFE

About 94–96% of most systems are recycled, substantially reducing the volume of waste en route to landfills.



Digitizing healthcare through transformative innovations for a resilient tomorrow

We are committed to investing in digital capabilities that help accelerate clinical decision making, optimize imaging operations, and drive efficiencies in exam workflows, all of which can improve patient outcomes. Enabling digital transformation will further enhance our predictive and maintenance service operations for the life of your products.

We are also dedicated to driving a more resilient and sustainable future in healthcare. Many factors, including the pandemic, climate-related weather disasters, and supply-chain issues amplified this need. Managing operations through these challenges requires resilience and perseverance.

Advancing clinical outcomes

Advanced applications and cutting-edge AI tools provide personalized data to drive actionable insights, helping healthcare professionals make fast, accurate clinical decisions for care pathways.

Gain actionable clinical insights quicker for earlier diagnosis

StarGuide’s higher system planar sensitivity and volume sensitivity are important factors in enabling dose and time reduction.⁴

SmartConsole is our network-capable image processing sub-system for nuclear medicine that enables you to automate SPECT/CT reconstruction, simplify complex hybrid imaging and quantitative protocols, and generate high-quality hybrid images.

Keep your imaging equipment up to date with advanced clinical applications

Smart Subscription protects your equipment from obsolescence and keeps your system at its best. It improves patient outcomes and productivity due to improved functionality and easy access to innovation.

Help improve patient outcomes with improved image quality

Focused imaging gives you the ability to target a specific volume of interest (VOI) within the patient’s body and improves image quality within that VOI as the Digital Focus Detectors image that volume.

MAR for metal artifact reduction

⁴ Compared to NM/CT 870 DR and NM/CT 870 CZT, StarGuide’s planar sensitivity was measured for each of its 12 detectors and adapted from NEMA NU 1-2018. NM/CT 870 DR used LEHR/LEHRS collimators and NM/CT 870 CZT used the WEHR collimator for both planar and SPECT measurements.



Optimizing imaging operations

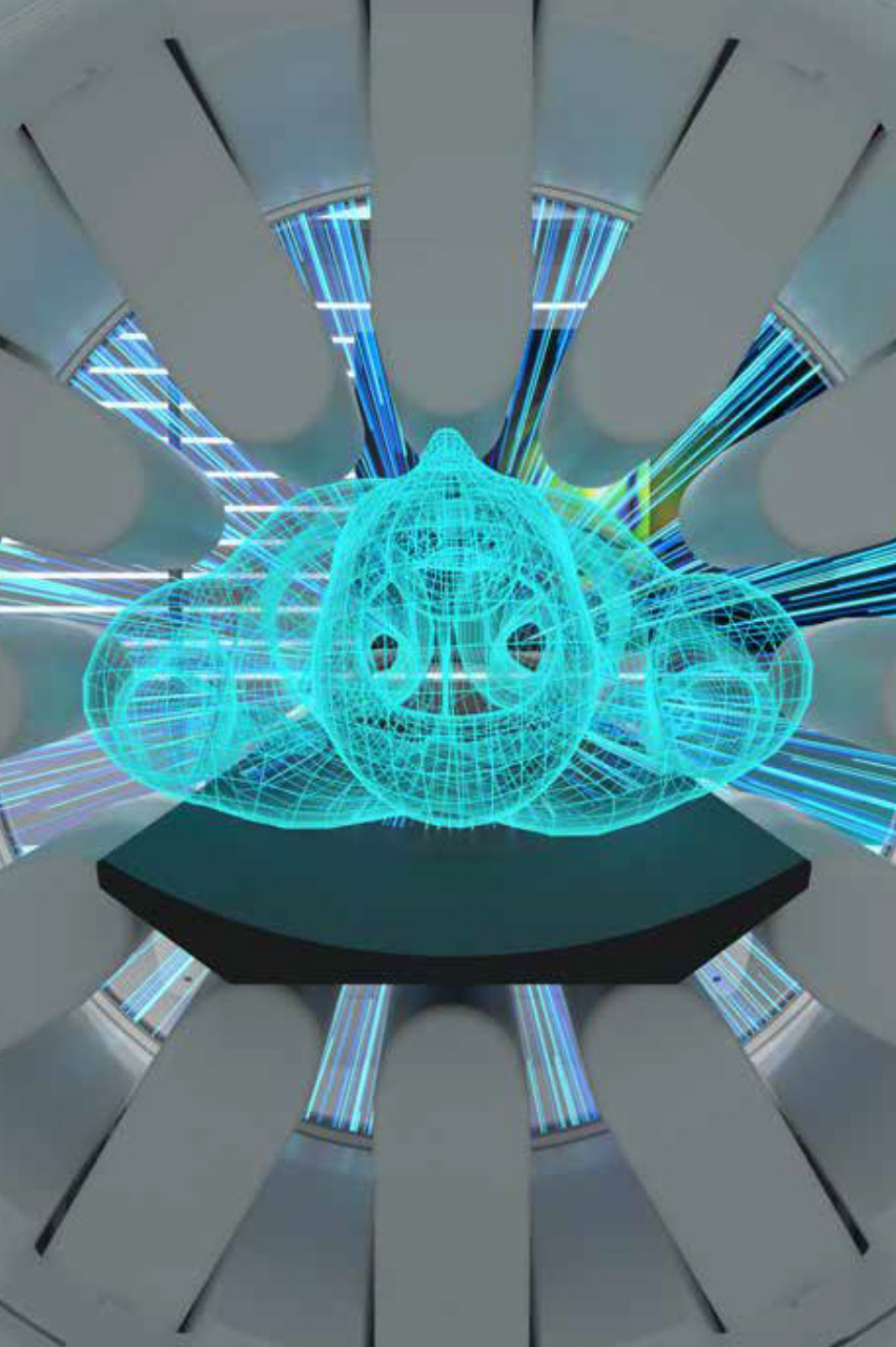
Our AI-based and advanced digital solutions are designed to increase efficiencies across the radiology spectrum without increasing the administrative and training burden on radiologists and technologists.

Increase productivity and consistency

iCenter, a secure cloud-based asset maintenance and management software application, provides data and analytics on asset status, location, maintenance history, utilization, and planning.

Cybersecurity

GE Healthcare's Design Engineering Privacy and Security (DEPS) process follows GDPR, HIPAA, NIST 800-53, NIST 800-30, ISO 27001, and NIST CSF requirements.



Enabling intelligent exam workflows

Intelligent automation features help to drive consistency, enable fast, easy exams, and improve workflow with fewer resources, all while achieving similar or improved outcomes.

Reduce setup time

Automatic motion planning enables adaptive, consistent, and optimized camera setup.

Reduce exam time

Automatic motion planning enables adaptive, consistent, and optimized camera scanning to minimize the time the patient spends on the table.

Ease of use

Automatic motion planning reduces the dependency of image quality on users' expertise and reduces exposure to patients who have been injected with radioactive material.

Cleanability

Our equipment is designed to be cleaned and disinfected easily. We continue to test and approve new cleaning and disinfecting agents. Visit [Cleaning.GEHealthcare.com](https://www.gehealthcare.com/cleaning) for updates.



Building a healthy world to help enable better patient outcomes.

GE Healthcare is a member of COCIR, the European Trade Association representing the medical imaging, radiotherapy, health ICT, and electromedical industries.**

***<https://www.cocir.org/about-cocir/members.html>*

Not all products or features are available in all geographies. Check with your local GE Healthcare representative for availability in your country. Not all features are included in the standard system configuration. Check with your local GE Healthcare representative.

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