

Focusing on sustainability in MR solutions

SIGNA™ Champion



Creating a more sustainable future requires us to 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 medicine, 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. GE HealthCare has a goal to achieve net zero by 2050. An interim goal is to reduce our operational emissions (Scope 1 and 2) by 42%* and our Scope 3 emissions from purchased goods and services, upstream transportation and distribution, business travel, and use of sold products by 25%** by 2030 compared to a 2022 baseline. In 2024, we received validation on our updated goals from the Science Based Targets initiative (SBTi), a group of visionary corporate leaders taking ambitious climate action. 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 solutions.



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We've set interim goals to reduce Scope 1 and 2 emissions by 42% and Scope 3 emissions by 25%* by 2030.**

* From a 2022 baseline year.

** Includes purchased goods and services, upstream transportation and distribution, business travel, and use of sold products from a 2022 baseline year.

Leading a new era in sustainability for a more resilient tomorrow

We're creating a world where healthcare has no limits, helping to improve access to care and enable better patient outcomes. Join us as we see the future, and change the outcome.



Accurate

Effortless Imaging enabled by leading AI and digital Solutions.

Accessible

Sustainable and equitable access to MR for any patient and any user.

Actionable

Groundbreaking discoveries and partnerships that elevate population outcomes.

MR Vision

Effortless Imaging enabled by leading AI and digital solutions

Establish AI-powered MRI as a one-stop virtual laboratory



Sustainable solutions that make precision medicine available to all

Groundbreaking discoveries and partnerships that elevate population outcomes

Enable discovery of cure for the most debilitating illnesses



Sustainable MRI solutions that enable broader precision medicine to all



Reduced impact

Lower power consumption, longer product lifecycle

- Long-life, light, and compact magnets.
- Product life extension through hardware and software upgrades.



Operational security

Optimized operation for continuous care

- Reliable solutions with high uptime, high operational resilience, & prolonged relevance.
- Highly monitored and optimized MRI systems to help you provide the best care for your patients, everywhere.



Improved access

Greater access with advanced technology and upgrades

- AI and digital-enabled platforms that help you image more patients with greater efficiency.
- MRI systems that are 30% lighter and can require less than 24 m² of space, lowering install costs.
- Upgrade solutions to help ensure you always have access to the latest MRI technology.

Helping to create a more sustainable tomorrow

Our 1.5T MR system, SIGNA™ Champion and its services help ensure radiology professionals and the patients they serve have the technology necessary to create a more sustainable and resilient tomorrow.

Reducing environmental impact

- The GE HealthCare's MR magnet is clinically strong for up to 40 years.
- GE HealthCare MR systems are eligible for refurbishment, reuse, or recycling at the end of their product life.
- 30% less helium is required and no helium refill onsite during installation.¹

Improving care

- Experience higher efficiency and diagnostic confidence with lower operating costs..
- Decrease power consumption per patient by up to 40% and scan time by up to 50% with AIR™ Recon DL.

¹ Compared to previous generation MR system.



Reduced impact

>2.8M liters of helium saved

- Over 70% less helium.²
- 30% lighter resulting in reduced CO₂ emission and siting costs.³
- All returned MR magnets are reused, refurbished, or recycled.
- GE HealthCare's magnets are clinically strong for up to 40 years.⁴
- When paired with our state-of-the-art AI technology, they consume up to 40% less power per patient.⁵

² Current commercial IPM/Ares magnets compared to previous generation magnets; as of Aug 18, 2025.

³ Based on standard operating procedures and controlled conditions.

⁴ Up to 40 years for 1.5T systems. Up to 30 years for 3.0T systems.

⁵ Projected power consumption reduction on a system with or without deep learning reconstruction.

Balanced & intelligent magnet technology

Balanced design

Striking the balance between helium & power savings

Helium savings for all

Available across 1.5T & 3.0T portfolio

Secure investment

Industry leader in magnet longevity and upgradability⁶



⁶ Based on standard operating procedures and controlled conditions.

Contributing to a healthier planet

More than half of the healthcare sector's climate footprint, approximately 53%, is attributable to energy use.⁷ As a result, we have strengthened our commitment to environmentally conscious design and we are implementing more 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 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 incorporate environmental considerations at the design phase of our products and promote and enable the reuse of equipment and parts from de-installed equipment.

⁷Health care climate footprint report | Health Care Without Harm (noharm-uscanada.org), based on the 2019 report

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.

Recyclability

We're committed to high recyclability of our products and reuse when possible.

Returned MR magnets are reused, refurbished, or recycled.⁸

Reduce the use of hazardous substances

REACH (EC) 1907–2006

⁸ Data on file.



Packaging

GE HealthCare imaging equipment has a robust and multi-sourced supply chain for systems and spare parts across our product portfolios.

Improved packaging

We are replacing our wood and corrugated cardboard packaging with paper, increasing the amount of recyclable packaging.

Manufacturing

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



Product utilization

Our imaging products are designed to help enable energy efficiency through dedicated features and advanced applications to reduce the environmental impact. Ergonomic design can help to enhance health and potentially reduce environmental impacts, such as reducing waste and saving energy.

Ergonomically designed

Ergonomically designed patient setup and positioning

Wide bore provides additional space for patient comfort.

AIR™ Coils are designed to be flexible and over 60% lighter per element to provide better coverage than traditional coils.⁹ They allow greater patient positioning freedom and patient comfort, as well as reduced burden on the technologists lifting the coils.¹⁰

Posterior Array embedded in fixed table help to improve exam efficiency, and patient comfort.

Improve patient comfort with AIR™ Recon DL by enabling shorter scan times and reducing the time spent on the table.

Accelerate your scanning process the minute the patient gets on the table with AIR Touch™, a workflow application that automates coil selection and landmarking.

Optional detachable eXpress Patient Table improves patient handling and comfort, allowing for faster patient setup.

⁹ Comparison based on 1.5T Express Coil—9E Anterior Array (3.2 Kg) vs 1.5T 16-channel AIR™ Anterior Array (1.8 Kg).

¹⁰ AIR™ Coils data on file (2018).



Product utilization

Reduce staff burden

Low table height enables easy loading and unloading of patients on to the MR scanner.

AI enabled workflow features such as AIR Touch™ and AIR x™ enable radiographers to do faster and more optimal patient setup.

12 times acceleration with Sonic DL™ enables fast scans for sick and uncooperative patients.¹¹

Reduce noise

Silenz is a 3D Zero-TE sequence comprised of high-bandwidth excitation and reduced gradient-switching radial acquisition that drastically reduce noise level from an ear splitting, motorcycle-level 91 dB to within 3 dB of scan room ambient sound. In addition, Silenz has added flexibility in sequence prescription to enable faster scan times.

Guidance for product utilization

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

Reduce energy consumption during use

Utilize standby power mode to reduce energy consumption by 54% when the system is idle.¹²

AIR™ Recon DL reduces scan time by up to 50% and energy consumed per patient by over 40%.¹³

¹¹ Very high acceleration factors could impact the detectability of low contrast structures.

¹² Compared to energy consumption when the system is in scan mode.

¹³ Per COCIR Self-regulatory initiative for medical imaging equipment, over a 24-hour period, with 12 hours of active day and 12 hours of inactive night scenario.



Product utilization

Power consumption

Off mode: 5.66 kW·h
Standby (no scan): 7.24 kW·h
System ready to measure: 9.93 kW·h
Scan mode: 15.74 kW·h

Reduce consumable energy utilization

1115L helium recovered per system.¹⁴

Our helium recovery systems use cooldown, ramp boil off, and training quench to reduce any escaping gas.

System requires up to 70% less helium throughout the lifetime of the system.¹⁴

Zero boil-off virtually eliminates helium refills under normal operating conditions.

Higher productivity and efficiency performance specifications with ~15% less energy consumption compared to previous generation systems.¹⁵

System uses Ultra High Efficiency (UHE) technology to generate exceptional imaging performance using about half the amount of electrical current than that of comparable legacy systems.

¹⁴ Compared to previous generation MR system.

¹⁵ Per COCIR Self-regulatory initiative for medical imaging equipment, over a 24-hour period, with 12 hours of active day and 12 hours of inactive night scenario.

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 support for upgrades and services throughout a product's lifespan, when available, 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 remaining parts are returned to dedicated recycling facilities.

Product utilization

Guidance for end of lifecycle

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

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

Upgrade your clinical applications with SIGNA™ Continuum for all existing installed SIGNA™ MR systems.

The life expectancy of a GE HealthCare 1.5T magnet is up to 40 years.¹⁶

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

MR 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.¹⁷

Reuse, refurbishment, and recycling extends the useful life of each product and/or its components

Spare parts are 89% repairable and 44% harvestable (by value).¹⁸

Waste reduction

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

¹⁶ Up to 40 years for 1.5T systems. Up to 30 years for 3.0T systems.

¹⁷ System parts 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.

¹⁸ MR spare part repair and harvest analysis 2024— data on file.

Digitizing healthcare through transformative innovations for a more 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.

≥50 million patients scanned with AIR Recon DL*
>5,000 global installations**
≥51 published journal articles

*Calculated by IB data with estimation 20 scans per day, 5.5 working day in a week, fully start using AIR™ Recon DL 4 weeks after delivery, as of 11 April 2025.

**As of April 11, 2025

Helping clinicians advance patient 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

Scan up to 50% faster and reduce backlogs with AIR™ Recon DL.

Increase SNR and reduce scan time in a single exam.

Diagnose with confidence with end-to-end clinical solutions like One-Stop Prostate imaging with AIR™ Coils and AIR™ Recon DL.

Keep your imaging equipment up to date with advanced clinical applications

Smart Subscription protects equipment from obsolescence and keeps the 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

80% of cases see improved SNR without added scan time with AIR™ Recon DL.¹⁹

AIR™ Recon DL enables up to 60% sharper images, allowing consistent and enhanced diagnostic confidence.*

Drive advancements with precision health

Wing-to-wing clinical solutions from setup to report help reduce scan times and increase precision health, including anatomy-dedicated post-processing tools and quantitative tools for measuring and assisting diagnosis.

¹⁹ Results may vary.

* Reference https://www.gehealthcare.com/-/jssmedia/gehc/us/files/products/molecular-resonance-imaging/air/mr_gbl_air-recon-dl_091720_jb00297xx.pdf?rev=1



Optimizing imaging operations

Our 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

GE HealthCare's Imaging Protocol Manager remotely updates and manages protocols between facilities on MR systems to help deliver consistent image quality and optimal patient care.

Gain data intelligence and actionable insights across the radiology department to increase productivity with Imaging Insights.

MR Performance Excellence can help increase capacity by optimizing equipment usage.

Leverage on-demand or scheduled virtual clinical applications training with GE HealthCare specialists to support staff, enabled by Digital Expert Access. Protocol Manager and Digital Expert Access are only available in limited countries.*

*Not available for sale in all regions.



Optimizing imaging operations

Reduce downtime

The OnWatch™ remote monitoring system reduces unplanned downtime by 35% with over 10% reduction in on-site repair time.²⁰

Additionally, it boasts ~40% remote fix rate with ~83% of issues resolved during the first call.²⁰

This, in turn, helps reduce travel and carbon footprint, as well as overall energy and waste, by keeping our systems optimally running.

Improved thermal performance allows the magnet to stay cold longer during extended outages, and the system can immediately return to scanning when the power goes back on.

Cybersecurity

Our Data Privacy principles are built on customer feedback, regulatory requirements, and international standards, ensuring that we meet, or exceed, expectations. With our global presence, we navigate a complex landscape of privacy and security regulations and frameworks. The Design Engineering Privacy & Security (DEPS) Procedure is our blueprint for integrating robust privacy and security measures into our products and services, providing peace of mind to healthcare providers and patients worldwide.

²⁰Data on file. Results may not be typical for all customers, and these results cannot be guaranteed. OnWatch supporting data used in EPD like document:REF-07057.



Enabling intelligent exam workflows

Intelligent automation features help to drive consistency, enable fast, easy exams, and improve workflow with fewer resources.

Reduce setup time	AIR Touch™ automatic intelligent coil selection reduces set-up time by 59%. ²¹ <hr/> AIR x™ allows five times faster setup with four times fewer mouse clicks. ²² <hr/>
Reduce exam time	AIR Touch™ reduces patient table time by 37%. ²¹ <hr/> Reduce scan time up to 50% per patient with AIR™ Recon DL, enabling improved workflow and efficiency. ²³ <hr/> Sonic DL™ increases acceleration up to 12 times, ²⁴ helping to reduce scan time up to 86%. ²⁵ <hr/>
Ease of use	SIGNA MR platform imaging platform provides a comprehensive suite of sequences and applications that cater to a wide variety of anatomies and examinations. <hr/> AIR™ Coils enable natural and faster patient setup for a wide variety of routine and complex examinations. The high number of elements on AIR™ Coils support acceleration of image acquisition and provide consistent image quality reducing the need to re-scan. <hr/> Wireless Gating enables faster set up for patients and less cable management for technologist. <hr/>
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 for updates.

²¹ Compared to previous generation software. Data on file.

²² Comparison of automated workflow with AIR x™ versus traditional setup process. Data on file.

²³ Compared to conventional technology. Data on file.

²⁴ Very high acceleration factors could impact the detectability of low contrast structures.

²⁵ Compared to fully sampled MR datasets



Creating a healthy world to help enable better patient outcomes.

GEHealthCare.com/about/sustainability

Not all products or features are available in all geographies. Check with your local GE HealthCare representative for availability in your country. Commercial availability of GE HealthCare medical systems is subject to meeting local requirements in a given country or region. Not all features are included in the standard system configuration. Contact a GE HealthCare representative for more information. Intended for healthcare professionals only.

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