Sustainable ultrasound solutions for a resilient tomorrow

Versana Active™ Ultrasound

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 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.

We are committed to achieving **net zero** emissions by 2050.

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.

Versana Active helps create a resilient tomorrow.

The Versana Active and its services help ensure that clinical professionals and the patients they serve have the technology necessary to create a sustainable and resilient tomorrow.

Reducing environmental impact

- Versana Active standby mode reduces energy use by 19.5%.
- More than 55% of the raw materials used in the system can be recycled.

Improving outcomes

- Versana Active has Whizz™ clinical features that save time and simplify scans with productivity tools.

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.

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

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

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

More than 54% of the raw material in Versana Active can be recycled, including:

- Ferrous metal: 5%
- Non-ferrous metal: 32%
- Plastic: 17%
- Others (including electric components): 44%

Manufacturing

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

Renewable energy

The Versana Active systems are manufactured in our Wuxi, China, site, which has recently installed a rooftop solar system designed to generate 100M kW·h per year.

The Wuxi site features energy-efficient air conditioning and a smart energy management system, which is designed to continuously reduce energy consumption by 90%.

Prior to the addition of the rooftop solar system, ultrasound manufacturing at the Wuxi manufacturing facility required 876,376 kW·h. The solar-generated energy should reduce that by about 18%, or 100M kW·h per year.

Packaging

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

Improved packaging	Approximately 99% of Versana Active's packaging material can be recycled, including: Corrugated cardboard: 78% PE plastics: 21%
Product transportation	Shipment methods of Versana Active is broken down as follows: Air transport: 80% Truck transport: 19% Ocean transport: 1%

Product utilization

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

Ergonomically designed to reduce staff burden	The Versana Active is portable: • Basic system weight is less than 5.2 kg (5.16 kg), which is convenient and portable. • There is a rear handle with rounded edges and smooth surfaces. • An optional cart is included. Adjustable height with cart option is between 0 to 290 mm. The probes have been ergonomically designed to: • Handle and manipulate with ease. • Connect to the system with one hand. • Be lightweight and balanced. • Have rounded edges and smooth surfaces. An optional foot switch can be used for comfortable hands-free system control.
Noise level	Acoustic noise is 36.94 dB at medium fan speed.

Product utilization (Cont.)

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	Using standby mode, Versana Active can reduce energy consumption up to 19.5%.
	Freeze mode is automatically activated after 2 minutes of scanning air.
	Off mode: 11.4 W Standby: 77.6 W Ready-to-scan 4D: 104.9 W Ready-to-scan Freeze: 81.8 W
	24 hour energy consumption, measurements per COCIR guidance: Off mode: 1.23 kW·h Standby: 2.03 kW·h Ready-to-scan: 2.52 kW·h
Carbon emissions	There are zero direct carbon emissions at place of use.

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.

Product utilization (Cont.)

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.	Upgrades are available for Versana Active.
Parts harvesting and refurbishment options are provided to reduce waste and environmental impacts while extending imaging access to less advantaged regions.	94–96% of most systems are reused, refurbished, or recycled, extending the lifetime of each product.[2]
	Versana Active 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.[2]
	100% of Versana Active parts are harvestable for spare parts.
	Refurbished Versana Active consoles are available.
Waste reduction	This system is in accordance with Waste Electrical and Electronic Equipment (WEEE) regulations.

[2] Products within ultrasound 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.

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	Versana Active features several advanced tools for clinical insights and earlier diagnosis, including: • Auto IMT, which automates the measurement for the intimal medial thickness. • SonoBiometry, which automatically suggests caliper placements and automates standard fetal measurements.
Keep your imaging equipment up to date with advanced clinical applications	Versana Active is designed to download software updates when they are available using InSite™. Software download monitors, notifies, delivers, and installs available system software updates.
Drive advancements of precision health	Versana Active features several advanced tools, such as: • Auto EF, which measures global ejection fraction and can automatically track myocardial tissue deformation. • Auto IMT, which enables automatic measurement of the intimal media thickness of common carotid artery. • Auto Bladder Measurement, which enables automatic detection of bladder border and volume calculations, including a volume estimate of residual urine.

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	The remote service platform InSite connects you with a GE Online Service Engineer or Applications Support Engineer. It has remote diagnostics capability as well as the ability to request service. Available in some markets.
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 drive consistency, enable fast, easy exams, and improve workflow with fewer resources, all while achieving similar or improved outcomes.

Reduce exam time	Versana Active's tools, including Auto EF, Auto IMT, SonoBiometry, and Auto Bladder Meaurement, enable automated measurements of common clinical values, which can reduce scanning time.
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. This includes validated cleaning and disinfection instructions for probes.

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.[3]

[3] *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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