Focusing on sustainability in ultrasound

Voluson™ P8

GE HealthCare

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.

* 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.

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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.

Environmental
Using fewer resources for a healthier planet.

Digital
Transforming healthcare through innovation.

Resilience
Building flexibility and dependability across healthcare systems.

Helping to create a more sustainable tomorrow

The Voluson P8 ultrasound system and its services, help ensure clinicians and the patients they serve have the technology necessary to create a more sustainable and resilient tomorrow.

Reducing environmental impact

- Voluson P8 ultrasound systems are designed to be refurbished, reused, or recycled at the end of product life to minimize unnecessary waste.

Improving care

- AI-based measurement tools reduce exam time and increase measurement accuracy.

- Ergonomic design improves the user experience and reduces strain on clinicians and system operators.

- Voluson Core Architecture enables precise clinical decisions through exceptional image quality across a wide range of women's health applications.

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 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're committed to environmental product design	This product conforms with IEC60601-1-9-2007.

[1] Health care climate footprint report | Health Care Without Harm (noharm-uscanada.org), based on 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.
	Approximately 57% of the basic Voluson P8 consoles consist of recyclable raw materials: Steel: 29.5 kg / 43.4% Aluminum: 9.85 kg / 14.5% Copper: 0.89 kg / 0.94%
	Packaging Voluson P8: Cardboard consists of recycled content and can be recycled as well. PE foam can be recycled.
Reduce the use of hazardous substances	EU RoHS directive 2011/65/EU
	REACH (EC) 1907–2006
	All Voluson consoles comply with the European RoHS Directive 2011/65/EU including Commission Delegated Directive (EU) 2015/863.
	All Voluson consoles comply with the REACH Regulation (EC) No 1907/2006.

Packaging and distribution

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

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

Product transportation Air Transport: 65%
Truck Transport: 35%

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

Reduce staff burden

Cable hooks are available for integrated cable management of ultrasound probes.

Ultrasound probes have been ergonomically designed to do the following:

- 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 is used for hands-free, comfortable system control.

Product utilization

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	A screen saver can be set to appear after a definable period of inactivity.
	When in Auto Scan Stop, freeze mode is activated after five minutes of inactivity.
	After an hour of inactivity, the system automatically activates freeze mode, even when Auto Scan Stop is not enabled.
	Standby mode uses 96.5% less energy than ready-to-scan mode and more than 97% less energy than scan mode.
	Off mode: 0 W
Standby (no scan): 1.7 W
Ready-to-scan: 93 W
Scan mode: 118 W

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.	Upgrades are available for Voluson P8.
Parts harvesting and refurbishment options are provided to reduce waste and environmental impacts while extending imaging access to less advantaged regions.	Voluson P8 ultrasound 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.[2]
	94–96% of most systems are reused, refurbished, or recycled, extending the lifetime of each product.[2]
	100% of Voluson P8 ultrasound consoles are eligible for refurbishment.
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 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 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.

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 for quicker decision making

Voluson P8 has several AI tools to help with the consistency and completeness of exams.

Voluson P8 utilizes automation applications to increase productivity, streamline workflows, minimize rework, and deliver the most personalized patient care possible.

Optimizing imaging operations

Our AI-based and advanced digital solutions are designed to increase efficiencies without increasing the administrative and training burden on women's health imagers.

Increase productivity and consistency	iCenter™ analytics provide insights for hospital managers to improve operational performance, asset utilization, and asset performance.
Reduce downtime	GE HealthCare's predictive analytics tools reduce downtime, optimize workflow, and reduce service interventions.
	MyGEHealthCare Equipment analytics track metrics and deliver data on equipment status, maintenance history, and performance to help reduce downtime.
	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 to drive consistency, enable fast, easy exams, and improve workflow with fewer resources.

Reduce setup time

Users can easily access patient information from an external Worklist Server.

Reduce exam time

Applications, including SonoRender live and SonoBiometry, are designed to improve workflow and can substantially reduce keystrokes and analysis time leading to increased efficiency and shorter exams.

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.
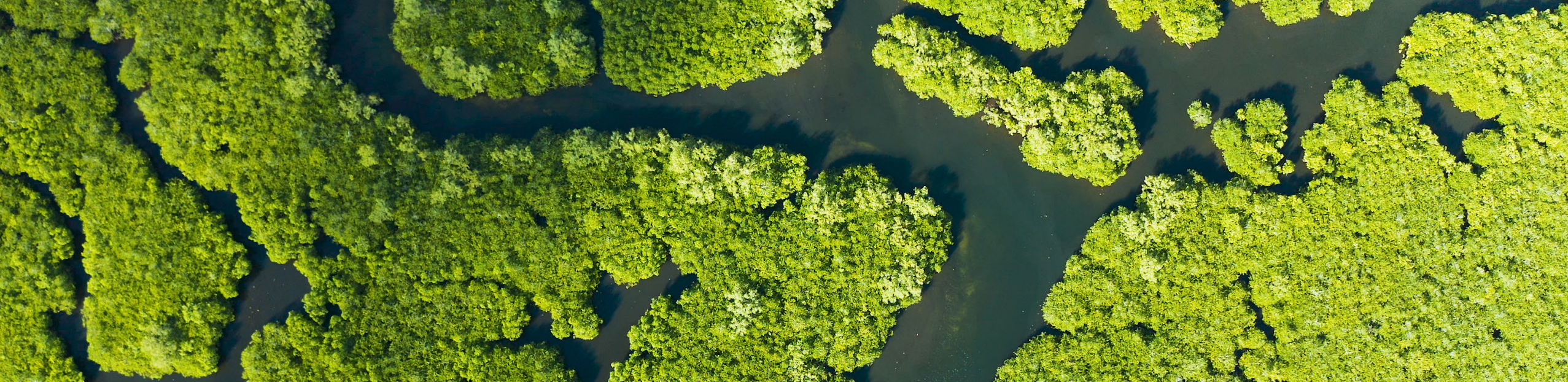
Creating a healthy world to help enable better patient outcomes.

GEHealthCare.com/about/sustainability

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