Focusing on sustainability in ultrasound

LOGIQ™ P Series Ultrasound

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.

We have a goal to achieve net zero emissions by 2050.

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.

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

Our LOGIQ P Series ultrasound 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

- The LOGIQ P Series system is designed to be refurbished, reused, or recycled at the end of its 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.
- Powerful XDclear™ high fidelity and broad-bandwidth transducers produce high-resolution images whether scanning superficial or deep targets.

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.

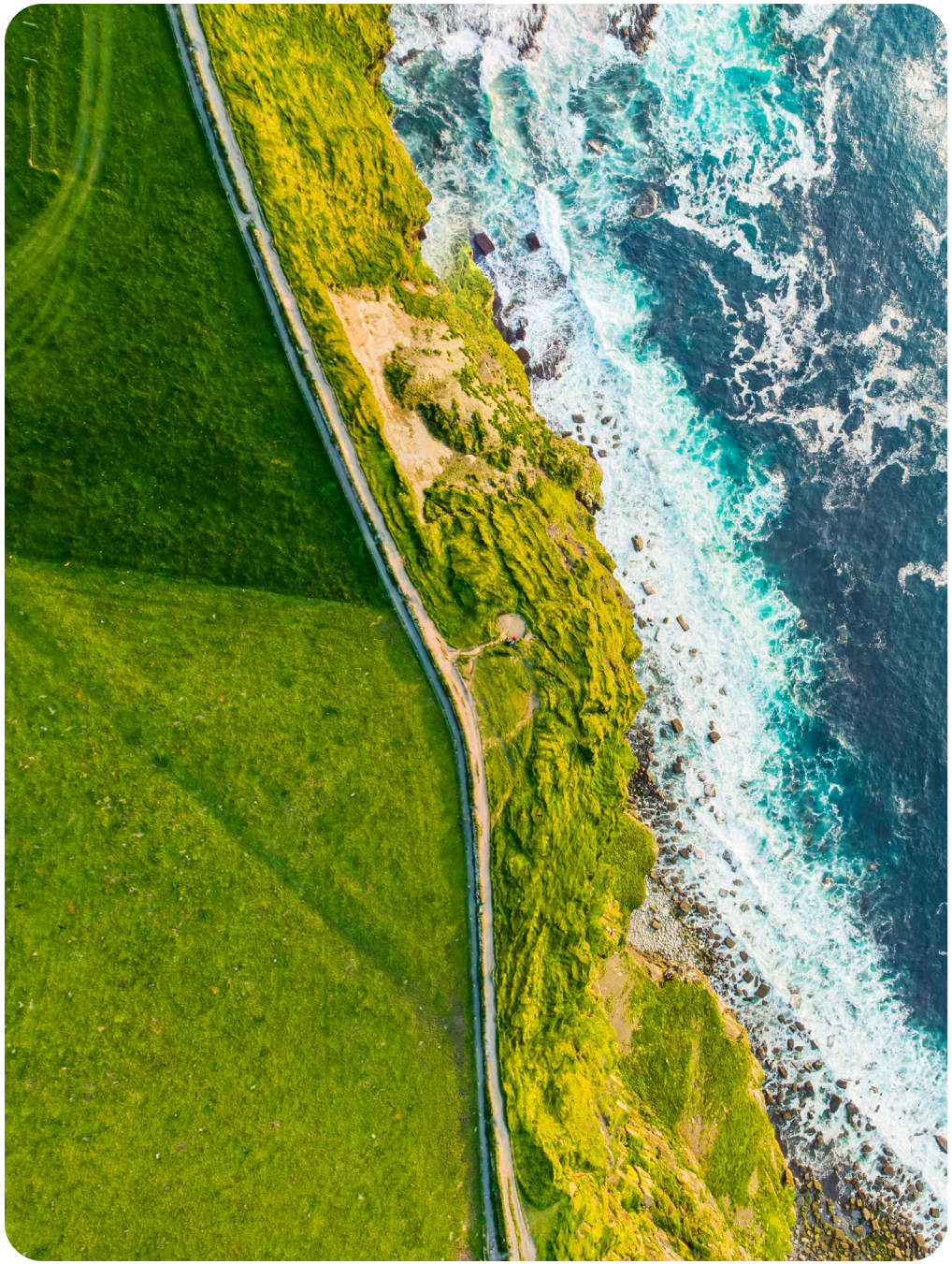
GE HealthCare environmental management system is ISO 14001 certified	Our production and service operations align to ISO 14001 standards.
We're committed to environmental product design	This product conforms with IEC60601-1-9.

[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.
	Our LOGIQ P Series contains more than 60% recyclable aluminum and steel. Steel: 24% Aluminum: 43%
Reduce the use of hazardous substances	EU RoHS directive 2011/65/EU
	REACH (EC) 1907–2006
	Compliant to EU RoHS directive 2015/863/EU



Packaging

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

Product packaging	Packaging material is recyclable and FSC certified.
	GEUK achieved ISO14021 Type II self declarations. Specifically, packing material is the recycled content: Minimum 30% applied to all products produced by GEUK.

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

Patient setup and positioning

Operators and clinicians can adjust LOGIQ P Series consoles for comfort and ease of use. The LOGIQ P Series can adjust in three directions:

- Height: 810 mm–910 mm
- Lift up-down: 100 mm
- Front to back: N/A
- Swivel: 30° right and left

The LOGIQ P Series also has an adjustable monitor:

- Horizontal: 600 mm
- Vertical: 150 mm
- Swivel: 45°

The probes have been ergonomically designed to handle and manipulate with ease, and an optional foot switch can be used for hands-free 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	If Screen Saver is checked, the login window appears as a screen saver after a definable time of inactivity. With Auto Scan Stop, freeze mode is activated automatically after 5 minutes of inactivity. After 60 minutes of inactivity, the system automatically activates freeze mode, whether or not Auto Scan Stop is enabled.
Power consumption	Off Mode: 0 W Standby (no scan): 168 W Scan Mode: 181 W
Guidance for end of lifecycle	Equipment instructions are provided to minimize the environmental impact for disposal or recycling.

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 the LOGIQ P Series.
Parts harvesting and refurbishment options are provided to reduce waste and environmental impacts while extending imaging access to less advantaged regions.	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. 100% of LOGIQ P Series parts are harvestable for spare parts. 100% of LOGIQ P Series 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 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 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

Breast Assistant, powered by Koios DS™, offers significant improvement in physician accuracy.

- Improved in sensitivity and specificity for 73% of readers
- Potential reduction in benign biopsies up to 31%
- Detected up to an additional 6 cancers per 100 presented

Keep your imaging equipment up to date with advanced clinical applications

LOGIQ P Series is designed to download software updates when they are available using InSite™. Software download monitors, notifies, delivers, and installs available system software updates. Remote update options via eDelivery are available in some markets.

[3] Koios Medical internal data. Presented at Society for Imaging Informatics in Medicine annual meeting, 2021

Helping clinicians advance patient outcomes

Help improve patient outcomes with improved image quality

Powerful XDclear™ high fidelity and broad bandwidth transducers produce high resolution images whether scanning superficial or deep targets.

Drive advancements of precision health

Next generation AI-powered tools drive results and efficiency:

- Auto Lesion Segmentation automatically traces lesion boundaries and generates two-dimensional measurements with just a few keystrokes.
- Auto Doppler Assistant analyzes the location and direction of vessels in an image and then automatically adjusts the color box and angle resulting in greater than 20% time savings and greater than 50% key stroke reduction.

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™ analytics provide insights for hospital managers to improve operational performance, asset utilization, and asset performance.
	LOGIQ P Series provides the ability to perform remote viewing of images without compression.
	Scan Assistant provides up to 37% time savings.
Reduce downtime	GE HealthCare's predictive analytics tools reduce downtime, optimize workflow, and reduce service interventions.
	iCenter 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 HealthCare Online Service Engineer or Applications Support Engineer. It has remote diagnostics capability as well as the ability to request service.
	Software updates are available for download via eDelivery.

Optimizing imaging operations

Reduce downtime

Digital Expert offers users of LOGIQ P Series the ability to collaborate with remote experts by audio, video, chat, and screen-share. Using a mobile tablet connected directly to your ultrasound equipment, Digital Expert provides users the ability to interact with peers at various locations to get support before, after, or even during an exam.

InSite allows GE HealthCare to deliver remote diagnostics capability. InSite is your direct link with a GE HealthCare Online Service Engineer or Applications Support Engineer, or a Request for Service via the InSite link. Available in some markets.

Tricefy™ is a cloud-based image viewer and platform to archive, collaborate, and share.

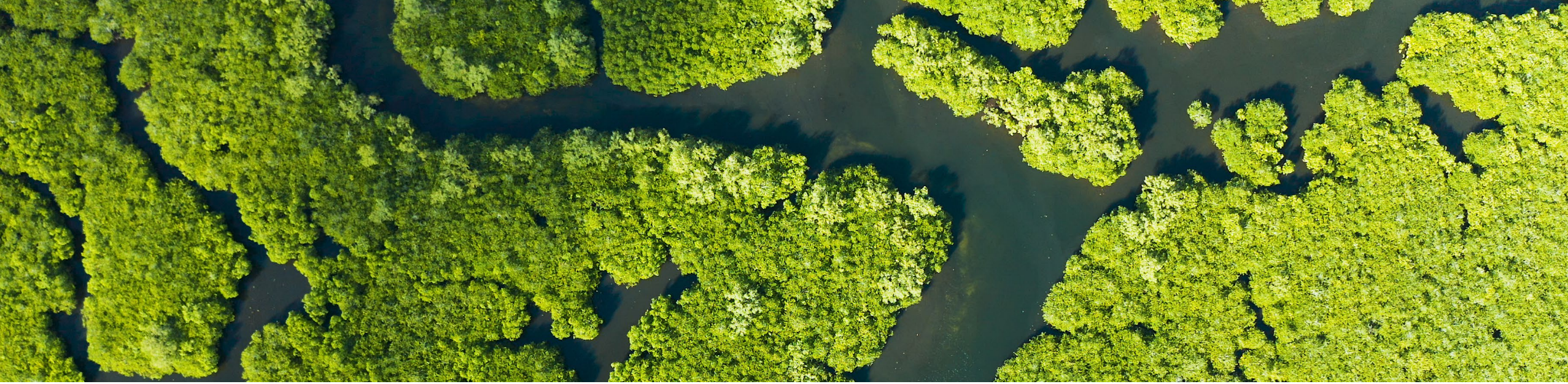
Cybersecurity

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.
	A customizable touch panel allows the user to organize the display in the most efficient way for them.
Reduce exam time	A suite of applications including Auto Doppler Assist reduces exam time by up to greater than 20% and key strokes by up to greater than 50%, and Scan Assistant reduces exam time by up to 37%.
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

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.

GE HealthCare