Focusing on sustainability in point of care ultrasound solutions

Venue™, Venue Go™, Venue Fit™, and Venue Sprint™

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

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.

Venue family[1] helps create a more sustainable tomorrow

Our Venue family point of care 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

- Venue family systems are designed to be refurbished, reused, or recycled at the end of their 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.
- Our cSound™ platform delivers exceptional image quality.

[1] Venue family, as referenced herein, includes Venue™, Venue Go™, Venue Fit™, and Venue Sprint™ ultrasound systems.

Contributing to a healthier planet

More than half of the healthcare sector's climate footprint, approximately 53%, is attributable to energy use.[2] 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	The Venue system conforms with IEC60601-1-9:2007.

[2] 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.

Venue system
Approximately 75% raw materials can be recycled including:
    Ferrous metal: 12.9 kg (17.28%)
    Non-ferrous metal: 23.7 kg (38.74%)
    Plastic: 10.57 kg (17.28%)

Venue Go system
Approximately 70% raw materials can be recycled including:
    Ferrous metal: 0 kg (0%)
    Non-ferrous metal: 23.6 kg (66.89%)
    Plastic: 5.44 kg (19.6%)

Venue Fit system
Approximately 70% raw materials can be recycled including:
    Ferrous metal: 0 kg (0%)
    Non-ferrous metal: 18.5 kg (66.88%)
    Plastic: 2.32 kg (6.57%)

Venue Sprint system
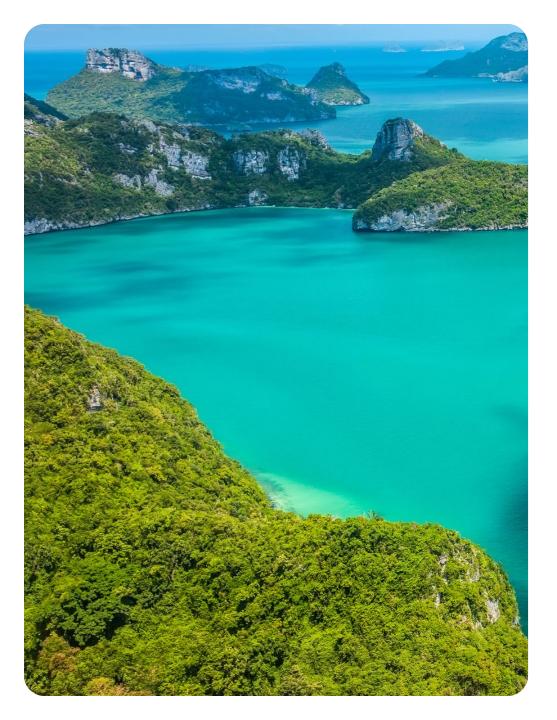Approximately 85% raw materials can be recycled including:
    Ferrous metal: 179 kg (80%)
    Non-ferrous metal: 0 kg (0%)
    Plastic: 1.105 kg (4.98%)

Reduce the use of hazardous substances	EU RoHS directive 2011/65/EU
	REACH (EC) 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.

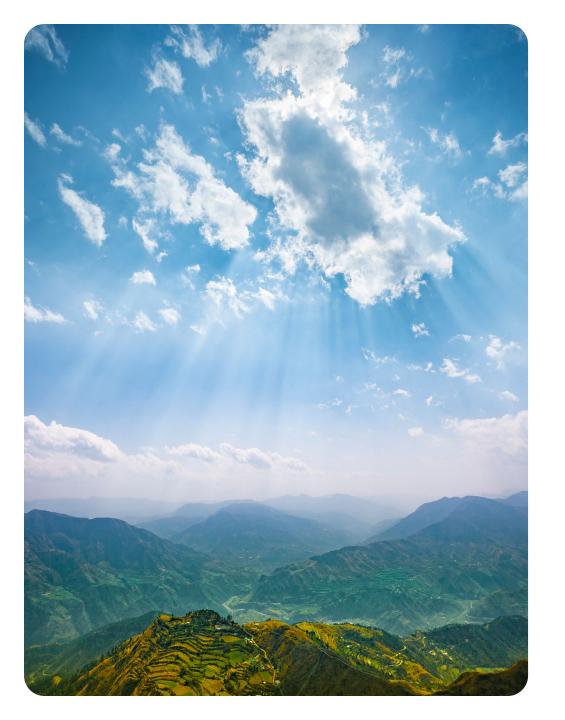|	
Product packaging	Packaging is a mixture of wood and corrugated cardboard. Packaging material is recyclable.

Product transportation	Air transport
	   60% Wuxi site
	   60% Juarez site
	
	Truck transport
	   60% Wuxi site
	   60% Juarez site
	
	53% product transportation utilizes low environmental impact modes.

Manufacturing

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

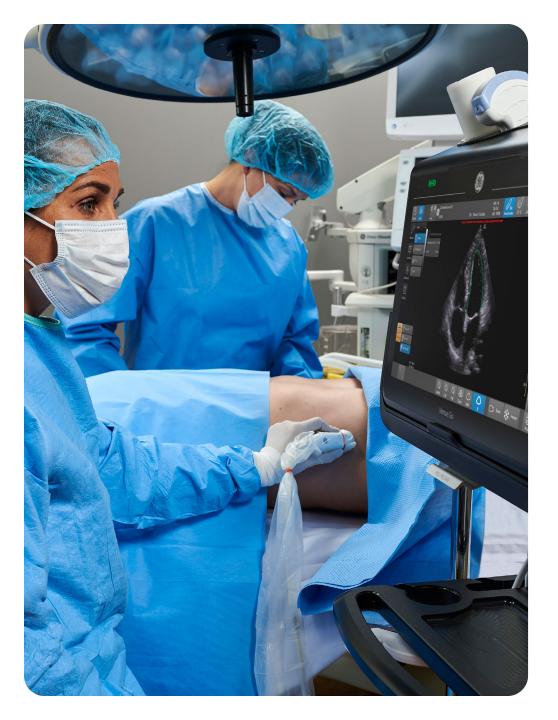|	
Renewable energy	Venue family products are manufactured at our Wuxi, China, and BOP Juarez, Mexico, sites. Both sites manufacture other products as well.

Reducing electricity	The Wuxi site recently installed a rooftop solar system designed to generate 100 million 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 90%.
	Prior to the addition of the rooftop solar system, ultrasound manufacturing at the Wuxi manufacturing facility was 876,376 kW·h. The solar-generated energy should reduce that by about 18%, or 100 million kW·h per year.
	The BOP Juarez site's yearly power consumption is about 31,460 kW·h.

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

Operators and clinicians can adjust Venue family consoles for comfort and ease of use.

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.

The **Venue** system has an adjustable monitor that can be adjusted in three directions:
Height: 260 mm (system height 1,210–1,470 mm)
Forward to backward tilt of display on cart: -10°–50°
Swivel: 80° right and left

The **Venue Go** system can be adjusted in two directions:
Height: 1,000–1,390 mm
Forward to backward tilt of display on cart: -10°–40°

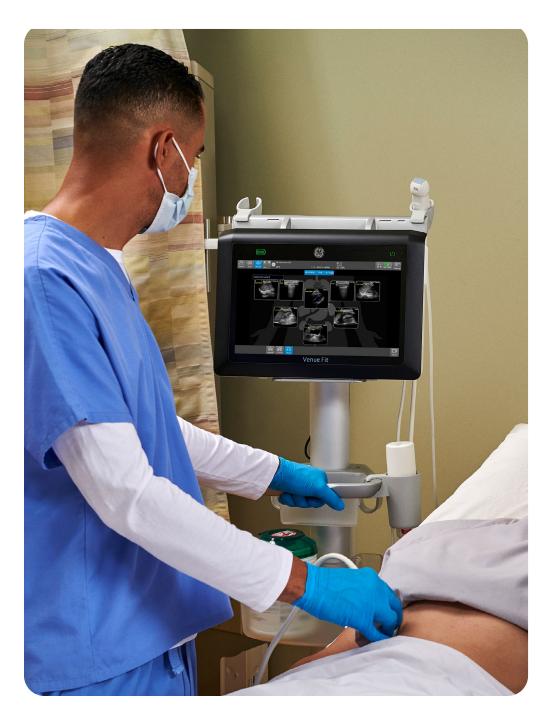The **Venue Fit** system can be adjusted in two directions:
Height: 1,063–1,413 mm
Forward to backward tilt of display on cart: -10°–40°

The **Venue Sprint** system can be adjusted in two directions:
Height: 1,050–1,400 mm
Forward to backward tilt of display on cart: -8°–40°

Product utilization

Noise level	**Venue** Acoustic noise: Front view — max 43 dBA Side views — max 42.2 dBA
	Venue Go Acoustic noise: Front view — max 34 dBA Rear view — max 40 dBA
	Venue Fit Acoustic noise: Front & left views— max 35.5 dBA Rear view — max 38.4 dBA
	Decibel measurements for all three units were done at 30 °C in a controlled environment.
	Only the Microsoft Surface has minor noise from the blower
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	Off Mode: zero 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

Power consumption		Standby and Shutdown	Scan Mode*	Freeze Mode*
	Venue	Less than 5 W	145 W	80 W
	Venue Go	Less than 3 W	120 W	43 W
	Venue Fit	Less than 3 W	120 W	40 W
	Venue Sprint	Less than 0.5 W	12 W	8 W

*with batteries fully charged

There are zero carbon emissions at place of use.

Guidance for end of lifecycle	Equipment instructions are provided to minimize the environmental impact for disposal or recycling.
Parts harvesting and refurbishment options are provided to reduce waste and environmental impacts while extending imaging access to less advantaged regions.	Venue family system parts are eligible for assessment at the appropriate time in the lifespan, for refurbishment, harvesting, or recycling.[3]
	100% of parts are harvestable for spare parts.
Waste reduction	This system is in accordance with Waste Electrical and Electronic Equipment (WEEE) regulations.

[3] 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.

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.

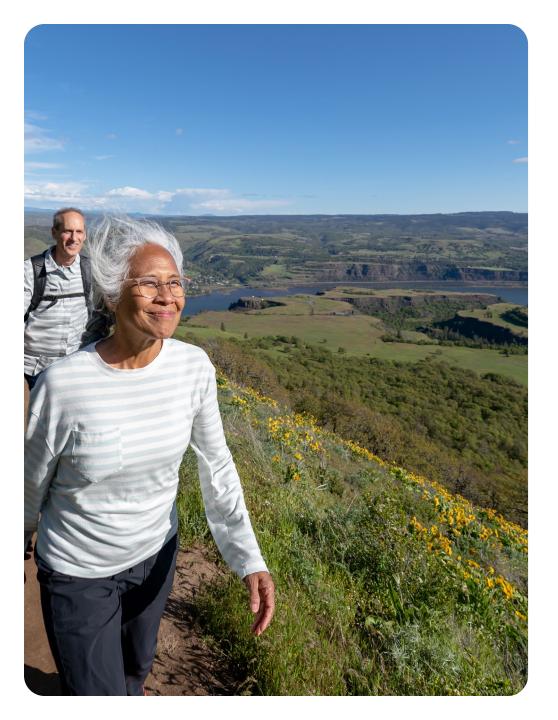|	
Gain actionable clinical insights for quicker decision making	The Venue family features several AI-powered tools for clinical insights and earlier diagnosis, including the following: • AI-powered Auto B-Lines provide automated count of the number of B-Lines in adult or pediatric (excluding neonates) lungs. • Auto IVC is an automated measurement tool that provides a parameter for assessing fluid responsiveness in shock patients. • Real Time Auto EF is a semi-automatic measurement tool used to calculate the global Ejection Fraction.
Keep your imaging equipment up to date with advanced clinical applications	Venue family ultrasound system software updates and upgrades are available to customers via media or eDelivery. Digital Expert is available as a remote collaboration and learning platform and offers remote accessibility.

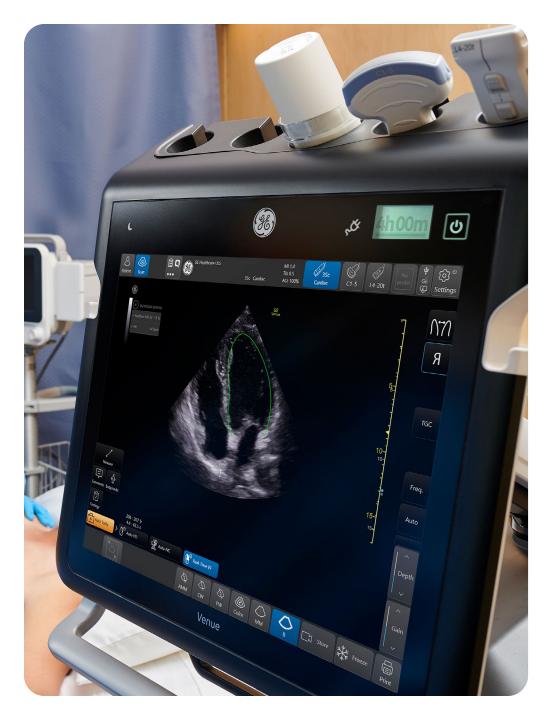# Helping clinicians advance patient outcomes

Enhancing image quality

Our cSound platform uses advanced software image reconstruction and state of the art graphics technology to deliver exceptional image quality with the Venue family.

Drive advancements of precision health

The Venue family features several automated and AI-powered tools to drive advancement of precision health, including the following:

- Auto VTI is powered by AI and enables the system to estimate the Velocity Time Integral (VTI) by using pulsed Doppler to trace the maximum velocity in the left ventricular outflow tract (LVOT) and integrate this over time.

- cNerve is a machine learning-enabled tool intended to facilitate the detection and tracking of nerve landmarks during the scouting stage of a nerve block procedure.

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.

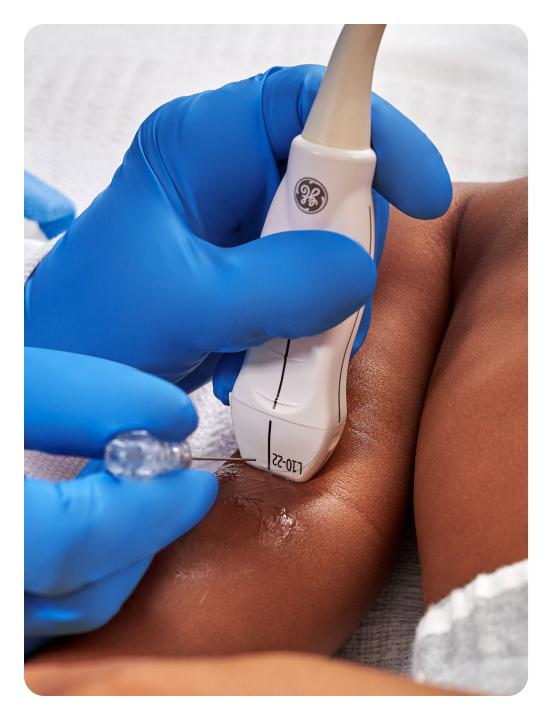|	
Increase productivity and consistency	Imaging Insights enables increased utilization of connected ultrasound scanners.
	RSVP sends data to DICOM® PAC's for a second opinion.
Reduce downtime	The remote service platform RSVP connects operator with a GE HealthCare Online Service Engineer or Applications Support Engineer. It has remote diagnostics capability as well as the ability to request service.
	Software updates are available for download via eDelivery.
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.

Improve workflow	Several workflow features are implemented on the Venue family ultrasound systems to improve efficiency during scanning, including the following:

- Diagrams (Lung, eFAST, Renal, Shoulder) provide a visual overview of the entire exam while reducing the need to manually type findings.
- The Follow-up tool allows the user to scan a patient and, at the same time, view images from a previous exam side by side with images from current exam.
- Bilateral Mode allows for a side-by-side comparison of the zone on the currently scanned side with the same zone on the opposite side of the body, and it has the ability to sync acquisition parameters.

Ease of use	The Venue family ultrasound systems incorporate tools that facilitate ease of use, including the following:

- Lung Sweep, which allows clinicians to see all ribs spaced in one view instead of scanning and storing each view separately.

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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