Sustainable monitoring solutions for a resilient tomorrow

Carevance™ patient monitors

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.

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[1] Includes purchased goods and services, upstream transportation and distribution, business travel, and use of sold products. Source: https://www.gehealthcare.com/-/jssmedia/gehc/us/files/about-us/sustainability/reports/ge-healthcare-sustainability-report-2023.pdf?rev=-1

[2] 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.

Carevance patient monitors help create a more sustainable tomorrow

Our Carevance patient monitors and their services help ensure clinicians and the patients they serve have the technology necessary to create a more sustainable and resilient tomorrow.

Focusing on energy efficiency

- Carevance Clinical Dock in standby mode uses ~0 kwh
- Carevance monitors are manufactured using 100% renewable energy
- E-manuals are installed in device, reducing the need for paper manuals

Improving circular economy

- 100% of plastic used in the Carevance monitors is recyclable
- All packaging is 100% biogradable and 100% recyclable - No foil is used and the styropore is EPC grade

Environmentally conscious features to enhance patient care

- Adequacy of Anesthesia concept helps prevent excessive use of anesthetic agents
- Cardiac Output Insights application does not use proprietary catheters for Cardiac Output monitoring, thereby reducing plastic waste

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	Carevance patient monitors fulfill IEC 60601-1-9:2007+A1: 2013+A2:2020 requirements[2]

[1] Health care climate footprint report | Health Care Without Harm (noharm-uscanada.org), based on 2019 report.
[2] IEC 60601-1-9 Compliance Checklist DOC3170163.

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.

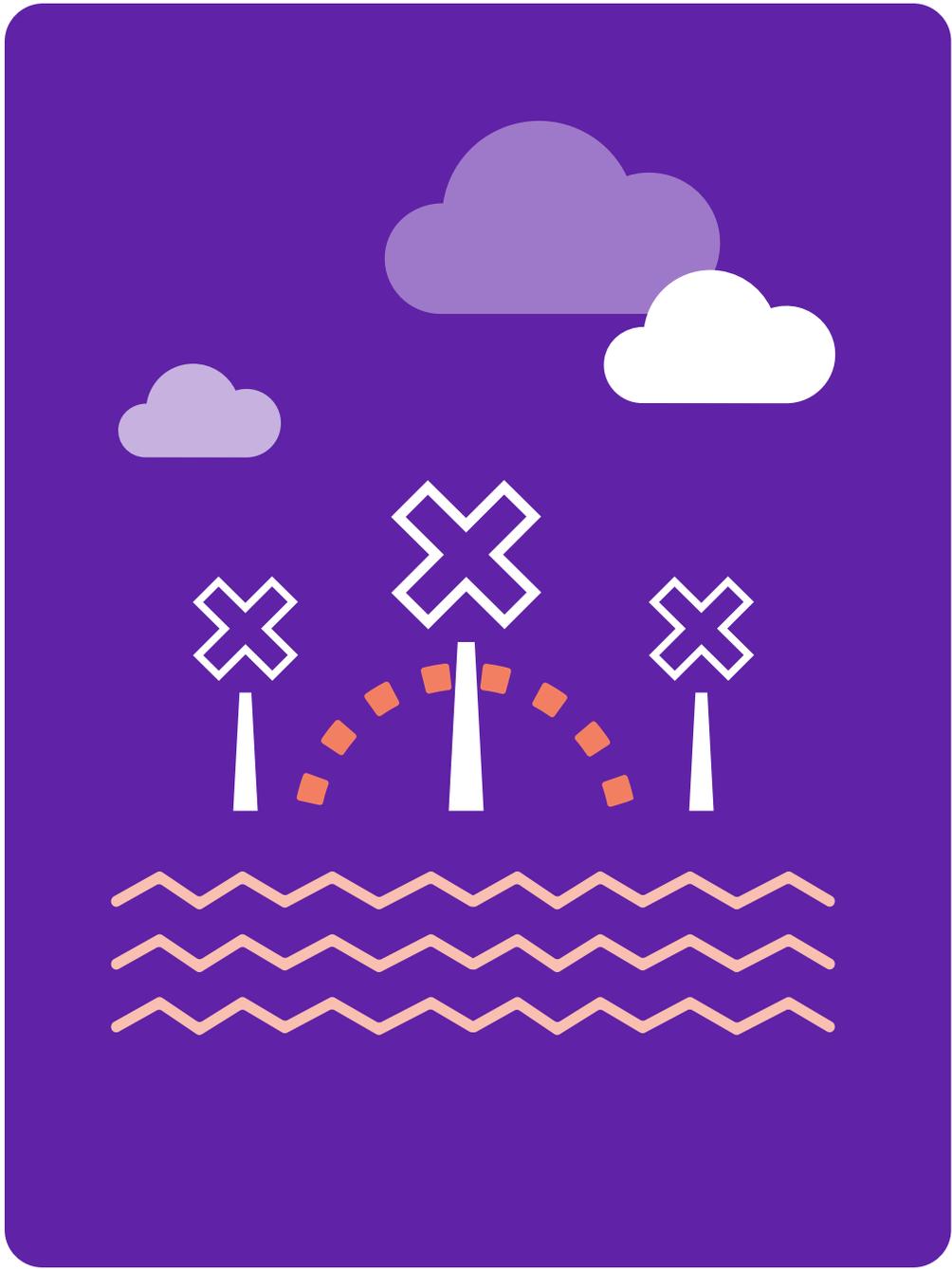|	
Recyclability	We're committed to high recyclability of our products and reuse when possible.
	The Carevance patient monitor materials are recycled according to the product WEEE Passport[1]
Reduce the use of hazardous substances	EU RoHS directive 2011/65/EU, amended by (EU) 2015/863, (EU) 2017/2102[2]
	REACH (EC) 1907-2006[3]

[1] DOC3170132 WEEE Selective Treatment.
[2] DOC3166918 RoHS compliance report.
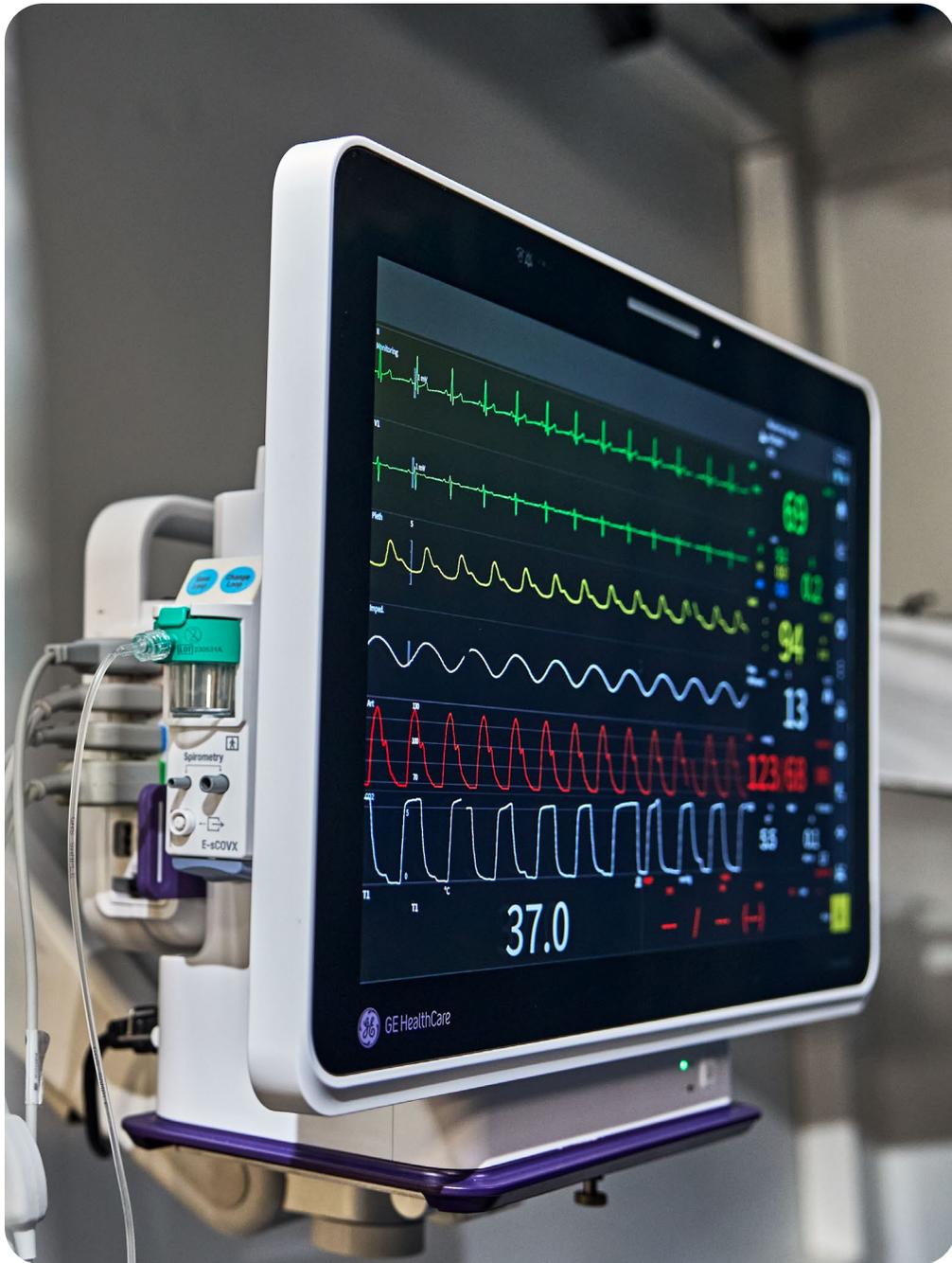[3] DOC2706411 EU REACH Substance Communication document for Monitoring Solutions.

Packaging and distribution

GE HealthCare patient monitoring equipment has a robust and multi-sourced supply chain for systems and spare parts across all product portfolios. The supply chain is evaluated for both shipping materials and shipping distances, leveraging local suppliers where appropriate, to help minimize CO_2 emissions.

Manufacturing

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

Renewable energy	GE HealthCare Wuxi, China uses 100% renewable energy
Reducing waste	Through our environmental reviews, we are committed on implementing renewable energy and reducing waste in our manufacturing
Packaging	• 100% biodegradable • 100% recyclable • Reusable

Product utilization

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

Power consumption[1]

Configuration	Energy/Day kWh	Energy/Year kWh
Carevance H1 Hub & D7 Mini Dock	0,24	87,60
Carevance H1 Hub & D12 Dock	0,53	191,84
Carevance H1 Hub & D15 Dock	0,54	196,31
Carevance H1 Hub & D19 Dock	0,57	208,40
Carevance Clinical Dock in standby mode uses ~0 kwh		

Carevance D15 Dock with Carevance H1 Hub

Carevance H1 Hub with Carevance D7 Mini Dock

[1] Source: DOC3205868 Carevance power consumption measurement and energy usage.

Guidance for end of lifecycle	Equipment instructions are provided to minimize the environmental impact for disposal or recycling.
Upgrades	Hardware and software options are provided as a solution to extend the product lifespan.
	Hardware expected lifetime is 10 years with software upgrades available until product End of life[1]. Field Replaceable Units (FRU) and Depot Replaceable Units (DRU) are available during the product lifetime.
Waste reduction	The Carevance patient monitor is place on the market in accordance with Waste Electrical and Electronic Equipment (WEEE) directive[2].

[1] DOC3179740 Service Life Analysis.
[2] DOC3170132 WEEE Selective Treatment .

Optimizing monitoring uptime and security

Cleanability	Cleaning and disinfection instructions have been validated for efficacy[1]. 23 cleaning and disinfection chemicals allowed[2].
Digital - 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.
	Manufacturer Disclosure Statement for Medical Device Security (MDS2) with detailed information of the security and privacy capabilities can be found at DOC2923881 MDS2.
Service Training	Computer Based Training (CBT) is offered for biomeds and clinical engineers. The training provides information about how to install, maintain and repair the Carevance monitors.

[1] DOC3138482 Cleaning and Disinfection efficacy test report.
[2] Carevance™ H1, Carevance™ D12, Carevance™ D15, Carevance™ D19 and Carevance™ D7 User Manual Software Version 1 6688000-8EN.

Creating a healthy world to help enable better patient outcomes.

GEHealthCare.com/about/sustainability

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