



# Sustainable bone and metabolic health solutions for a resilient tomorrow

Prodigy™ DXA





# Creating a more sustainable future requires we 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.



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**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.



## Prodigy™ helps create a resilient tomorrow

Our Prodigy™ DXA device helps radiology professionals and the patients they serve have the technology necessary to create a sustainable and resilient tomorrow.

### Reducing environmental impact

- Efficient scanning applications and idle mode help to reduce power consumption
- Utilization of recyclable packing materials

### Improving outcomes

- SmartScan technology recognizes Regions of Interest (ROIs) and reduces the area being scanning, to help deliver faster scanning with less dose
- DXAVision™ application enables skipping head and lower leg scanning, for up to 40% faster total body scan time<sup>1</sup>
- K-edge filter technology blocks unneeded middle-energy X-rays, lowering patient dose and improving performance



<sup>1</sup>Data on file with GE Healthcare, April 2019.



# Contributing to a healthier planet

**More than half of the healthcare sector’s climate footprint, approximately 53%, is attributable to energy use.<sup>2</sup>** 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** According to our self-assessment, this product conforms to IEC60601-1-9.

## 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** Eligible parts, including high voltage power supply (HVPS), DIB and others, are harvested for reuse after quality and performance testing.

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**Reduce the use of hazardous substances** EU RoHS directive 2011/65/EU  
REACH (EC) 1907-2006

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## Manufacturing

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

**Renewable energy** A target has been established for our Monterrey, Mexico, production facility to reduce its carbon footprint 50% by 2030.

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**Reducing electricity** Our production facility in Monterrey Mexico has reduced electricity usage throughout with LED lighting, efficient HVAC upgrades, and solar tubes.

<sup>2</sup>Health care climate footprint report | Health Care Without Harm (noharm-uscanada.org)



## Packaging

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

### Improved packaging

DXA outer packaging is designed to be recyclable.

## 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

### Patient setup and positioning

OneScan performs a time-saving AP Spine and Dual-Femur exam that does not require repositioning between scans.

MirrorImage function and DXAVision scanning can be used when regions of the body fall outside the scan window, allowing large and tall patients to be scanned comfortably, while reducing scan time.

### Reduce staff burden

ScanCheck provides a 34-point check system with advanced analysis and alerts for abnormalities, helping to avoid potential measurement errors and rescans.

OneVision and Composer reporting allow users to reduce keystrokes and improve patient throughput.

### Guidance for product utilization

Help videos available within the DXA software provide ready guidance for using clinical applications and tools.

## Power consumption

### Standby (no scan)

System reset/idle after 1 hour of use. Prodigy draws approximately 40 watts when idle.

### Scan mode

Prodigy system draws approximately 450 watts during patient exam.



## 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. Parts not eligible for harvested reuse are routed to dedicated recycling facilities.

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.

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### Guidance for end of lifecycle

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

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### Upgradeable hardware and software options are provided as a solution to extend the product lifespan.

Software options are provided as a solution to extend the product lifespan.

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### Parts harvesting and refurbishment options are provided to reduce waste and environmental impacts while extending imaging access to less advantaged regions.

Eligible system parts are assessed for potential harvesting or recycling.

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### Waste reduction

This system is in accordance with Waste Electrical and Electronic Equipment (WEEE) regulations.



## 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 provide personalized data to drive actionable insights, helping healthcare professionals make fast, accurate clinical decisions for care pathways.

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#### **Gain actionable clinical insights quicker for earlier diagnosis**

Reduce total body scan time by up to 40% using DXAVision for Total-Body-less-Head and Neck-to-Knee scanning.

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#### **Keep your imaging equipment up to date with advanced clinical applications**

Trabecular Bone Score is integrated into our software and reporting, requiring no changes to your workflow to add this metric via an optional tool that helps you provide better osteoporosis care for patients.

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#### **Help improve patient outcomes with improved image quality**

Prodigy sets the bar high for diagnostic confidence and performance, leveraging GE Healthcare's narrow-fan beam technology with multi-view image reconstruction that results in no image magnification effects.

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#### **Drive advancements with precision health**

Obtain precise data on bone and soft tissue composition, including bone-mineral density (BMD), lean- and fat-tissue mass, and percentage of fat.





## Optimizing imaging operations

Our 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**

Acquire and save images from multiple GE Healthcare densitometers to a common database.

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Use remote analysis to easily access and analyze patient exams.

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### **Reduce downtime**

Where available, our Advanced Digital Services use remote support to provide fast diagnosis and may be able to repair your system remotely.

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### **Cybersecurity**

Advanced security features within our DXA software help protect your data using encryption tools for storage and transit of data and also provide user audit trails.



## Enabling intelligent exam workflows

Intelligent automation features help to drive consistency, enable fast, easy exams, and improve workflow with fewer resources, all while achieving similar or improved productivity.

### Reduce setup time

A daily quality assessment for calibration and testing prepares the device for use within just a few minutes.

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One-click Exam Finish completes several functions at once: send report, save file, close report.

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### Reduce exam time

OneScan and OneVision features help to reduce repositioning and measurement times.

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Integrated TBS feature provides bone architecture assessment and reporting seamlessly within existing DXA workflow.

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ScanCheck alerts for abnormalities, reducing the learning curve for technologists.

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DXAVision feature shortens total body exams by excluding head and lower legs from scans.



## Enabling intelligent exam workflows (Cont.)

### Ease of use

Multi-user Database Access features enable remote viewing and analysis of exams by up to 40 users.

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Robust reporting tools allow for sharing of results with referring physicians and patients, within an attractive and customizable format.

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### 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](https://www.gehealthcare.com/cleaning) for updates.



**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.<sup>3</sup>

<sup>3</sup><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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