



# Sustainable surgical imaging solutions for a resilient tomorrow

OEC MiniView™ MAX mobile C-arm





# 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 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.



## OEC MiniView MAX helps create a resilient tomorrow.

Our OEC MiniView MAX C-arms and their services help ensure that radiology professionals and the patients they serve have the technology necessary to create a sustainable and resilient tomorrow.

### Reducing environmental impact

- Up to 76% of the OEC MiniView MAX materials are recyclable.<sup>1</sup>
- The OEC MiniView MAX C-arm conforms to international standards for environmental design, hazardous substance reduction, and electronic waste management.

### Improving outcomes

- Energy utilization of OEC MiniView MAX operates on single-phase, cord-connected, standard wall power.
- Less radiation and power is needed to cool X-ray tube when Live Zoom is used instead of Mag modes, with the ability to zoom up to 4X either fluoro or Cine images.



<sup>1</sup> Data on file. GE Healthcare 2022. Values based on weight.



# 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.

**We’re committed to environmental product design.**

The OEC MiniView MAX conforms to the international standard for environmental design, IEC60601-1-9:2007.

## 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

We’re committed to high recyclability of our products and reuse when possible.

Up to 76% of the OEC MiniView MAX materials are recyclable.<sup>3</sup>

### Reduce the use of hazardous substances

EU RoHS directive 2011/65/EU

REACH (EC) 1907–2006

## Manufacturing

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

### Reducing electricity

Continuous improvement goals in manufacturing process efficiency result in lower energy demand per unit produced.

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

<sup>3</sup> Data on file.



## Packaging and distribution

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

### Improved packaging

Packaging is designed to optimize product transportation protection, safety, and material reuse.

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### Product transportation<sup>4</sup>

Air transport: 21%  
Ocean transport: 62%  
Truck transport: 17%

## 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

Move the lightweight carbon fiber C-arm single-handedly with counter-balanced design.

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Guide and lock the C-arm into position and secure with single SmartLock button.

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Achieve optimal positioning when imaging extremities with 380° lateral rotation and 33.4" vertical travel range.

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Integrated green laser aimer is included on tube side with accessible on/off controls.

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### Reduce staff burden

OEC MiniView MAX can be unplugged, quickly moved across the room, and ready to image with 5 minutes of standby power.

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Adjust the 4K UHD display to the surgeon's line of sight.

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Operate the C-arm single-handedly with access to imaging functions and point-and-shoot simplicity.

<sup>4</sup> The values provided are based on product transportation and distribution during 2021.



## Product utilization (Cont.)

### Guidance for product utilization

The OEC MiniView MAX conforms to the international standard for medical device usability, IEC 60601-1-6/62366.

Instructions are provided for use of the equipment to minimize the environmental impact during installation, use, and operation.

### Reduce energy consumption during use

Follow the operator instructions to optimize efficient and ergonomic use.

### Power consumption

Power off: 0.3 kW  
Power low: 0.16 kW  
Ready to scan: 0.16 kW

### 24-hour energy consumption<sup>5</sup>

Power off: 0.7 kW·h  
Power low: 3.7 kW·h  
Ready to scan: 3.7 kW·h

<sup>5</sup> As measured according to COCIR X-ray Equipment Measurement of Energy Consumption, March 2014.



## 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 partnered support for upgrades and services throughout a product's lifespan 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 rest are returned to dedicated recycling facilities.

## Product utilization (Cont.)

### 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.

The extended lifespan of an OEC MiniView MAX C-arm is contingent on use-case scenarios and overall service and maintenance by GE Healthcare certified service team. Lifespan may be extended with continual service maintenance and contracts with GE Healthcare service.

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

OEC MiniView MAX C-arms are eligible for assessment through the refurbishment program (country-specific), in which they are assessed for refurbishment, harvesting, or recycling at the appropriate time in the lifespan.<sup>6</sup>

95% of OEC MiniView MAX C-arms are reused, refurbished, or recycled, extending the lifetime of each product.<sup>6</sup>

### Waste reduction

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

<sup>6</sup> 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. Data on file.



## 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 and cutting-edge AI tools provide personalized data to drive actionable insights, helping healthcare professionals make fast, accurate clinical decisions for care pathways.

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

View clear, same-sized live and reference images on a 4K display for comparison during a procedure.

Live Zoom digitally zooms up to 4X larger during a fluoro shot or Cine while using the same dose rate as normal images and less dose compared to images in Mag mode.

Features include point-and-shoot imaging functions and access for single-handed use.



## Optimizing imaging operations

Our solutions are designed to increase efficiencies across the radiology spectrum without increasing the administrative and training burden on radiologists and technologists.

## 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 drive consistency, enable fast, easy exams, and improve workflow with fewer resources, all while achieving similar or improved outcomes.

### Reduce exam time

System is efficient to set up with a quick boot-up time as well as five-minute standby power.

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### Ease of use

Use is easy and intuitive with recognizable OEC icons, colors, and layout.

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Experience quick access to functions during procedures, including X-ray controls, Live Zoom, Digital Pen, measurements, annotations, laser aimer, image directory, and more.

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System is compact for easy storage and small footprint.

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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>7</sup>

<sup>7</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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