



# Sustainable Solutions for a Resilient Tomorrow





The healthcare industry has a **responsibility to contribute to a healthier planet for healthier lives**



**“Climate change**  
is affecting every country  
on every continent”<sup>1</sup>



**4.4%**

of the world’s climate emissions  
are from health care activities<sup>2</sup>



<sup>1</sup> Climate Change - United Nations Sustainable Development

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



Creating a more sustainable future requires we care for the planet and for its inhabitants



We believe that the advancement of **precision health, greater digitization of healthcare, and increasing access to quality care**, are fundamental to accomplishing this goal





We are committed to building a more sustainable world for people today and future generations



Expanding access to healthcare

Promoting inclusion and diversity

Mitigating our climate impact and improving resilience

Advancing the circular economy and environmental design

Protecting patient data and cybersecurity

We conducted a robust stakeholder assessment to help inform the risks, impacts, and opportunities for our business across all ESG topic areas. We used the results of that assessment to identify the above focus areas



## ADVANCING PRECISION HEALTH

# Integrated, efficient and highly personalized care

I'm proud that for more than a century, we at GE Healthcare have been working to deliver products and solutions that build a healthier world.

Our purpose of improving lives in the moments that matter is manifested in our impact on patient and clinician outcomes around the world through innovative technology. We promote a fair and equitable workplace with unyielding integrity. I'm excited about how we've advanced standards of excellence through our commitments to extend the lives of our products and reduce energy use in our supply chains and production sites.

But with the growing threat of climate change, systemic inequality and global health disparities, we recognize that fulfilling our purpose, and following through on our ESG commitments, has never been more essential.



**PETER J. ARDUINI**

President & CEO, GE Healthcare





# Environmental and sustainability commitment

GE Healthcare is committed to supporting a **more circular economy** to maximize the efficient use of materials and to minimize unnecessary waste.



Committed to **50% reduction** in our own operational emissions



**2050**

Achieve **net zero**, as an active participant in the UN-backed **“Race to Zero”**





# Reducing carbon emissions

Climate action is an integral part of our mission

To improve outcomes for patients, healthcare providers and researchers around the world, and it is our responsibility to intensify our actions to further reduce our emissions





# Reducing carbon emissions



## From Our facilities

- Carbon targets are cascaded and tracked through our supply chain and service teams
- Over 40 sites completed or are in progress to develop carbon reduction roadmaps to drive the reductions needed to achieve our goal
- Additionally, in 2021 other financed projects are anticipated to reduce greenhouse gas emissions by over 11,000 metric tons

## From Our fleet

- Our global fleet is comprised of over 10,000 vehicles mainly to support our service engineers for installing and servicing equipment
- In 2021, we started transitioning vehicles in North America and Europe to electric and hybrid vehicles and are continuing to further support this initiative

## Shifting to renewable energy sources

- Our strategy includes transitioning to renewable energy sources, and we are increasing our purchase of renewable energy.
- In 2021 we moved all our UK sites onto renewable energy, and also transitioned many global sites where possible, including five US sites and sites in Bengaluru, India and Zipf, Austria.

## Circular economy

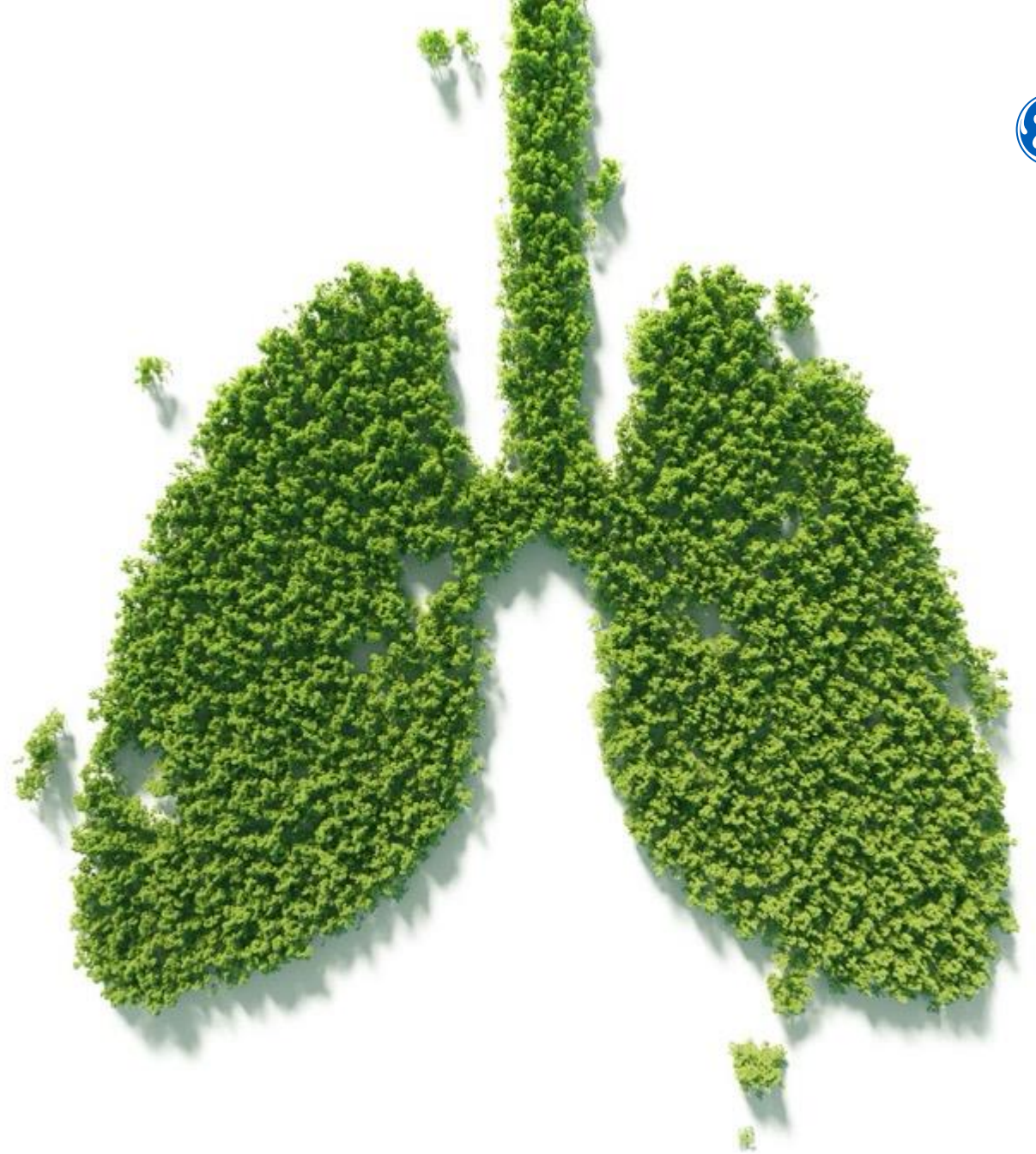
- We believe in maximizing efficient use of materials and minimizing unnecessary waste.
- Aligned closely with our lean mindset, our standard operations include an environmental review that identifies opportunities to make improvements at the factory level







—  
Contributing to a  
healthier planet





# **We believe** a Healthy planet = Healthy patients



For a radiology department to have a sustainable future, we help to address **environmental impact** and **the challenges of healthcare professionals and patients.**

**ENVIRONMENTAL  
AND SUSTAINABLE**



**DIGITAL  
TRANSFORMATION**



**RESILIENCE**



**CLINICAL DECISION  
SUPPORT**



**IMAGING  
OPERATIONS**



**INTELLIGENT  
WORKFLOW**



# Contributing to a healthier planet

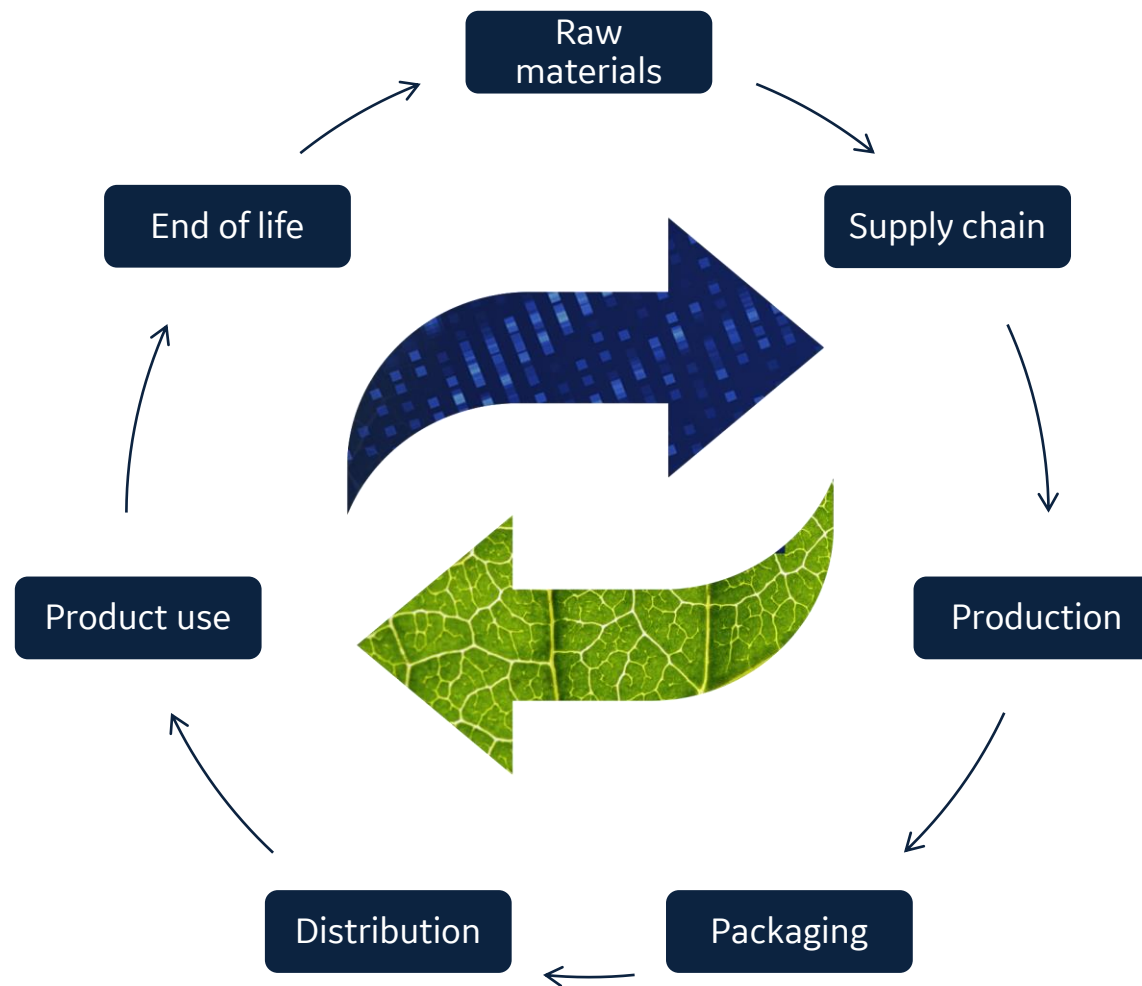
## We are committed to environmentally conscious design



Environmentally conscious design is viewed across our product manufacturing, sourcing, distribution, installation, and service operations.

This includes:

- Improving energy efficiency
- Optimizing the use of limited or rare materials
- Providing digital, remote predictive analytics and maintenance service
- Offering refurbishment and recycling options at the end of product life







Contributing to a healthier planet  
**We're committed to implementing standards  
in imaging equipment innovation**



**Environmental management system:**

Our production and service operations align to ISO 14001 standards



**Reduce the use of hazardous substances:**

Committed to compliance with the EU RoHS directive 2011/65/EU



All imaging systems are in accordance with  
**Waste Electrical and Electronic Equipment (WEEE) regulations**





# Contributing to a healthier planet.

## We're committed to environmentally conscious design across the product lifecycle



### MANUFACTURING & DISTRIBUTION

- Streamlined X-ray packaging from 4 boxes to 1 reusable box to **reduce waste**
- Our North Greenbush, NY digital mammography production facility received **USGBC LEED Gold Certification<sup>1</sup>**
- **53%** of CT product transportation utilizes **low environmental impact modes<sup>2</sup>**

### PRODUCT MATERIALS & USE

- **Recyclable**
  - **84%** of materials used in the Revolution™ Ascend are recyclable<sup>3</sup>
  - **88%** of materials used in the Revolution™ Maxima, CT scanner are recyclable<sup>3</sup>
  - **84%** of GE's MR magnet is recyclable and can be recycled into raw materials<sup>3</sup>
- **Reduce energy consumption:**
  - Utilize standby power mode to **reduce energy consumption by 50%**, when the SIGNA™ Architect MR system is idle<sup>4</sup>
  - Reduce energy consumption up to 15% when using the Revolution™ Ascend CT scanner's energy savings mode<sup>5</sup>

### END OF LIFE

- **Extend the life of your product** with hardware and software upgrades
- **100% of MR, CT and PET systems** are eligible for assessment at the appropriate time in the lifespan, for refurbishment, harvesting, or recycling<sup>6</sup>



Building a healthy world to help improve care and enable better patient outcomes.

1 [https://www.reliableplant.com/Read/18055/ge-healthcare-opens-\\$165m-production-facility-in-ny](https://www.reliableplant.com/Read/18055/ge-healthcare-opens-$165m-production-facility-in-ny)  
2. The values provided are based on product transportation and distribution during 2021.  
3. Data on file.  
4. Compared to energy consumption when the system is in scan mode.

5 compared to the same system not using the energy savings mode.  
6. 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.





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Transforming  
healthcare  
through AI and  
digital innovation





**We believe** AI and digitization are essential to progress



## ON-DEVICE AI

Improving throughput, capacity and patient outcomes with AI.

- **Up to 50%** MR scan time reduction with AIR™ Recon DL<sup>1</sup>
- **96% sensitivity**, detecting nearly all large pneumothoraces with **Critical Care Suite**, AI-powered X-ray<sup>2</sup>

## FOR WORKFLOW

Streamlining workflows to reduce steps, rework, costs and help alleviate burnout.

- **66% reduction** in clicks per CT exam and **21% savings** for entire exam time with Effortless Workflow<sup>3</sup>
- **59% reduced set up time and 37% less table time** per patient with MR AIR™ Workflow<sup>1</sup>

## FOR THE ENTERPRISE

Connecting data across devices

- **35% reduction in unplanned downtime**,<sup>4</sup> ensuring optimal throughput via a remote service for system predictive analytics, OnWatch™

————— **All on an integrated digital health platform** —————

1. Compared to conventional technology. Data on file.

2. FDA 510(k) K183182

3. Compared to legacy GE CT scanners, the required clicks are defined as clicks required to execute a scan from selecting a new patient till start scan. All associated clicks for and in clinical practice, number of the required clicks may vary depending on the circumstances, including but not limited to, the clinical task, exam type, clinical practice, and image reconstruction technique.

4. Data on file.





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# Resilience



# Building flexibility and dependability across healthcare systems

We are 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 resiliency and perseverance.

**Increase access to care**

**Enable precision health**

**Proactively support staff needs**

**Increase responsiveness and decrease downtime**

**Enable easy equipment cleanability**







***Addressing  
environmental  
impact*** to achieve  
lasting sustainability

Join us on the journey:  
[www.GEHealthcare.com/products/imaging](http://www.GEHealthcare.com/products/imaging)

