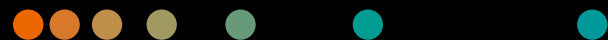


A person in a white lab coat is shown from the back, interacting with a digital interface. The interface consists of a grid of hexagonal icons, each containing a different symbol: a person, a heart with a pulse line, a DNA helix, a globe, and an atom. The person's hands are raised, touching the icons. The background is a dark blue with a grid of hexagons and a faint world map in the bottom left corner.

**THE** SHAPING A  
**TECHMED** HEALTHY  
**EVENT** FUTURE

# Sustainability in Healthcare

with Siemens Healthineers

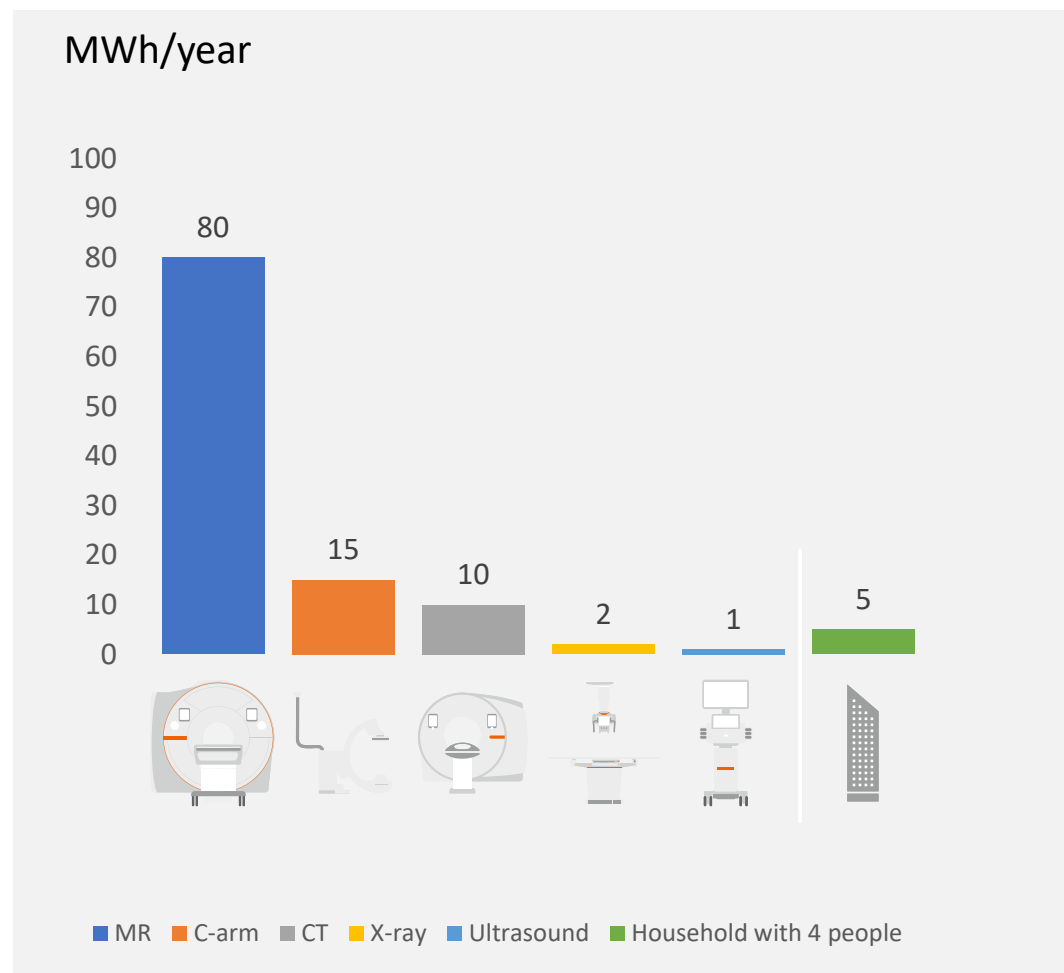
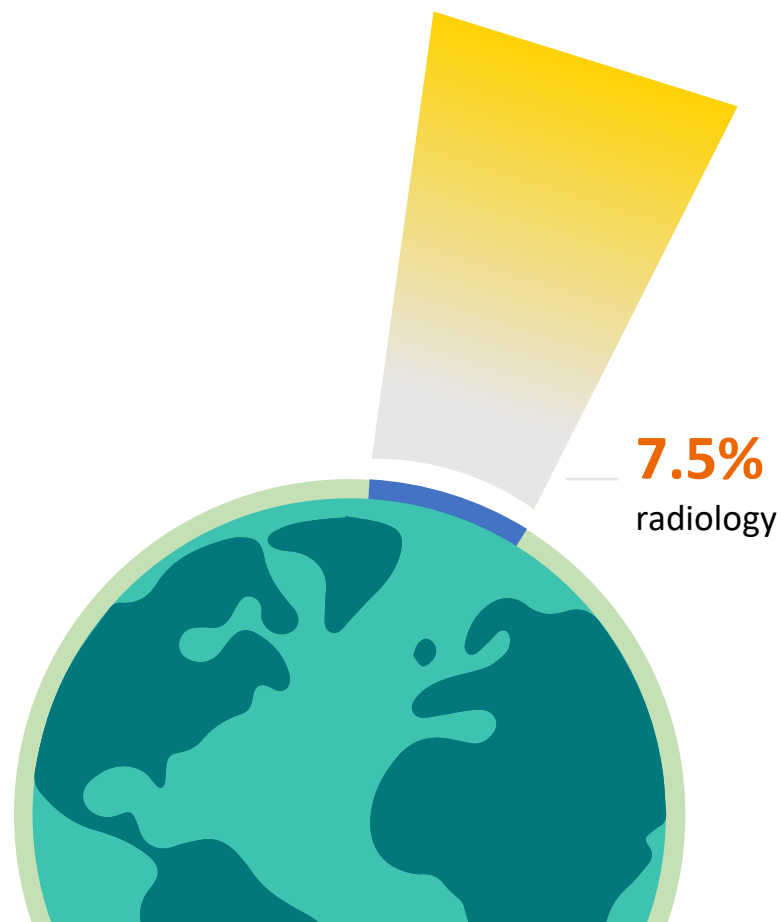
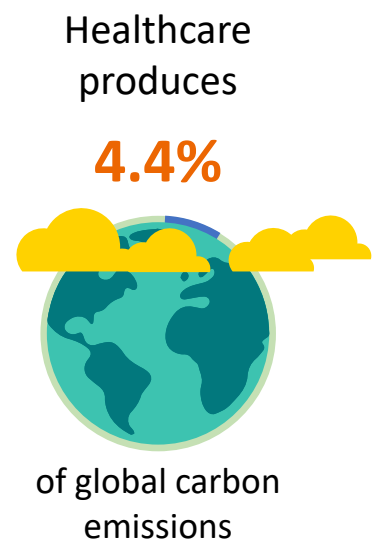


# 1

**Why #4 biggest Medtech company  
in the world is dedicated to deliver  
on the circular economy topic?**

# Medical imaging is responsible for approx. 7.5% of hospitals energy consumption – we can make a difference!

Medical imaging is responsible for 7.5% of hospitals energy consumption



# We are committed to expanding access to care by contributing to a regenerative and healthy environment

Our commitment

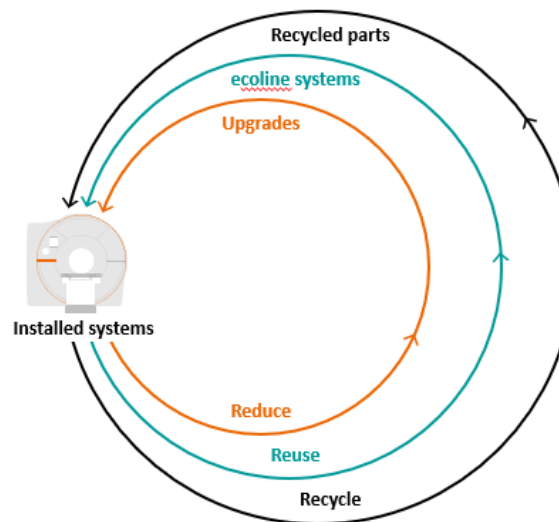
## Combat climate change by reducing emissions

Carbon neutral  
by 2030



- Actively supports Paris Agreement of 1.5°C reduction
- Switch to renewable energy

## Transform toward a circular economy



Fit **Upgrades** and further **SW & HW upgrades** significantly prolong our scanners' lifetime



We refurbish systems through our **ecoline business** And **reuse repaired components** as spare parts, e.g., local coils



On average **96%<sup>1</sup>** of our products' material can be **recycled for raw materials**

# 2

**How does Siemens Healthineers deliver on the topics; Refurbish, Remanufacturing, Repurpose?**



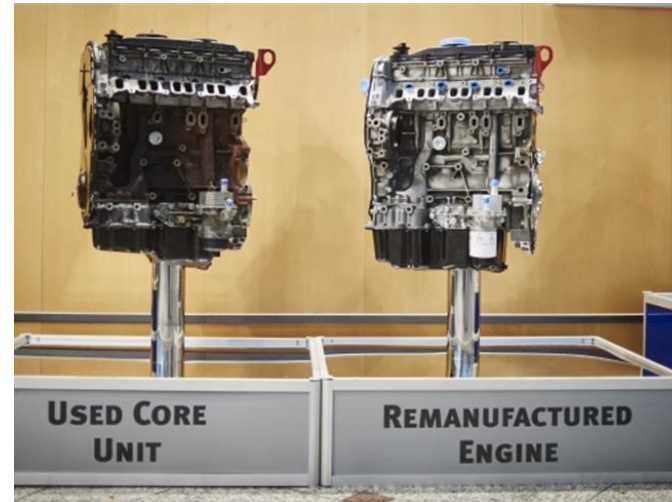
# Defining the topic: Refurbish, Remanufacture, Repurpose

- Refurbish =



- Returned products are repaired and tested by the original manufacturer and resold

- Remanufacture =



- Rebuilding to original (or upgraded) manufactured specifications using a combination of reused, repaired and new parts

- Repurpose =



- Alternative use

**R**efurbish



## Selection

- Condition
- Service history
- Performance
- Technology level

## De-installation

- Professional project execution
- Qualified personnel
- Non-destructive de-installation

# Refurbished

we make use of a  
certified

## 5-Step Quality Process

## Refurbishment

- New system appearance
- Cleaning and disinfection
- Thorough check
- Replacement of worn parts
- Software updates
- Individual configuration

## Installation

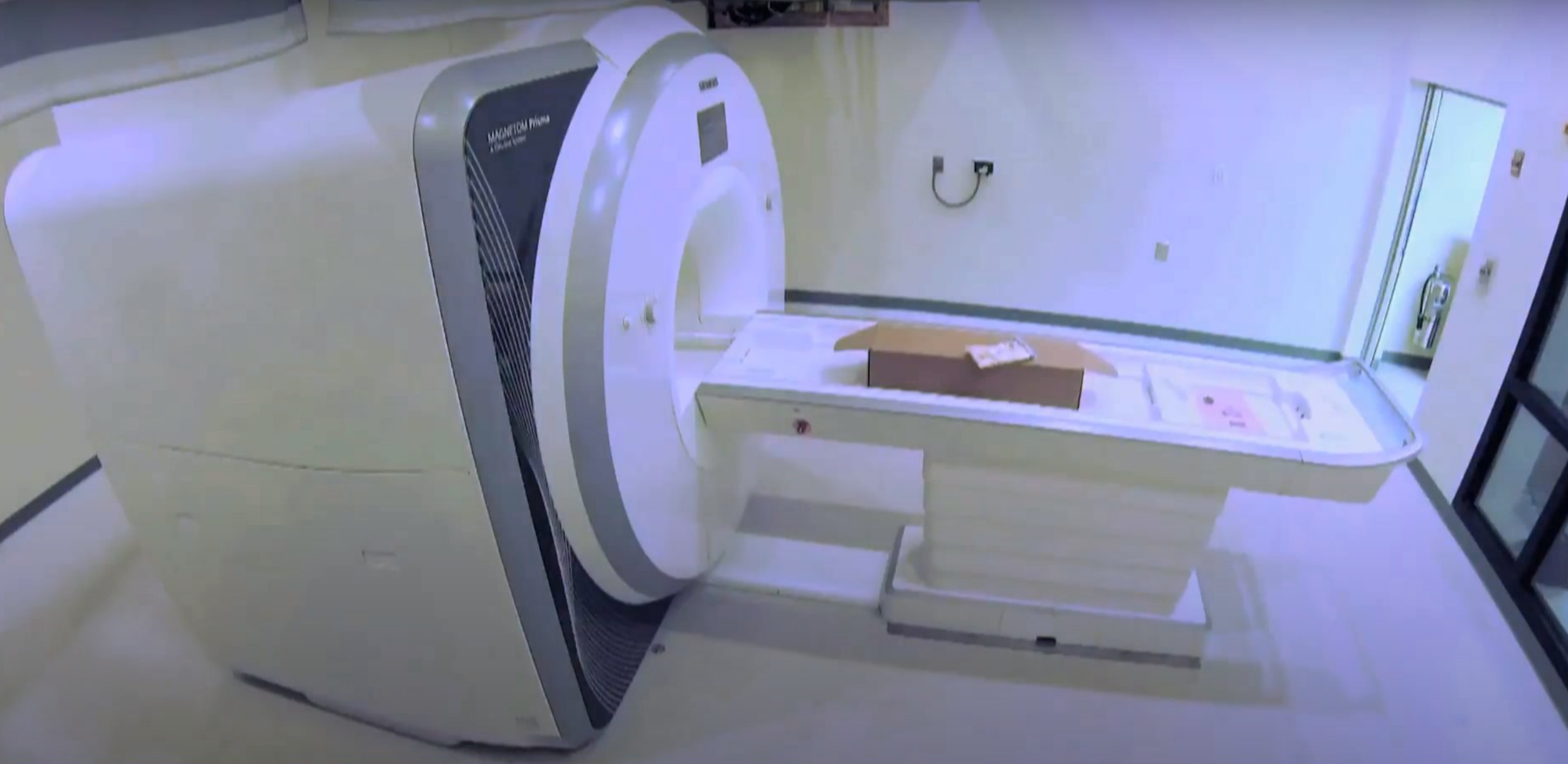
Start-up and system performance check  
comparable to a new system

## Services

- Warranty
- Original service parts
- Application training
- Service contract

# R emanufacture

# MRI Upgrade Timelapse - Two Weeks in 4 minutes



▶ ⏪ 🔊 3:48 / 4:05



# R epurpose



# From human .... to veterinary use



# 3

**What shows that we really execute  
on our goals?**



# What shows that we really execute on our goals?...

## 1

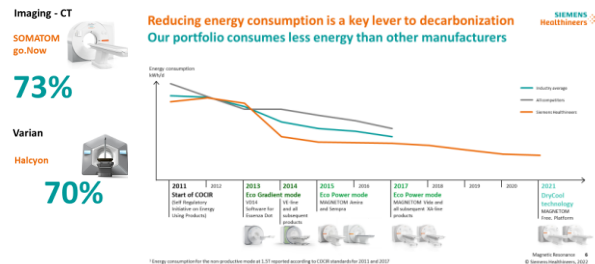
### ACHIEVE

#### Higher energy efficiency

- › **13%<sup>1</sup> less energy** according to third party market index
- › Up to **73%<sup>2</sup> more efficient** compared to previous generation

We actively develop energy efficient products across our portfolio

Example of energy consumption compared to previous model:



## 2

### ENABLE

#### Circularity & optimized resource utilization

- › **99.95% reduced** dependency on Helium<sup>3</sup>
- › **Up to 97% less water** consumption during standby

**Helium is the only element completely non-renewable**

**DryCool Technology**

Laboratory equipment requires high water consumption, and it becomes potentially hazardous liquid waste

**We drastically reduce water consumption**  
by **71% - 97%** reduced with Aetlica CH930, IM1300 and IM1600 analyzers – in stand-by mode vs operational mode

Less potentially hazardous liquid waste that are subjected to many local requirements

\*Energy resources for water supply and wastewater management. <sup>3</sup>With reduced water consumption and disposal or reuse in other by-products.

## 3

### ENSURE

#### A sustainable future with a committed partner

- › **Carbon neutral by 2030**
- › **80% of our electricity sources** from renewable

**Our commitment to combat climate change**

**Carbon neutral by 2030**

- Actively supports Paris Agreement of 1.5°C reduction
- Switch to renewable energy

**Our commitment to expanding access to care by contributing to a regenerative and healthy environment**

**Transform toward a circular economy**

We are committed to...

• <sup>1</sup> 2017 figure; details on record <sup>2</sup> Compared to previous generation <sup>3</sup> Compared to industry standards



**We pioneer breakthroughs in healthcare.  
For everyone. Everywhere. Sustainably.**

**Sustainability at Siemens Healthineers**