



Discovery™ RT

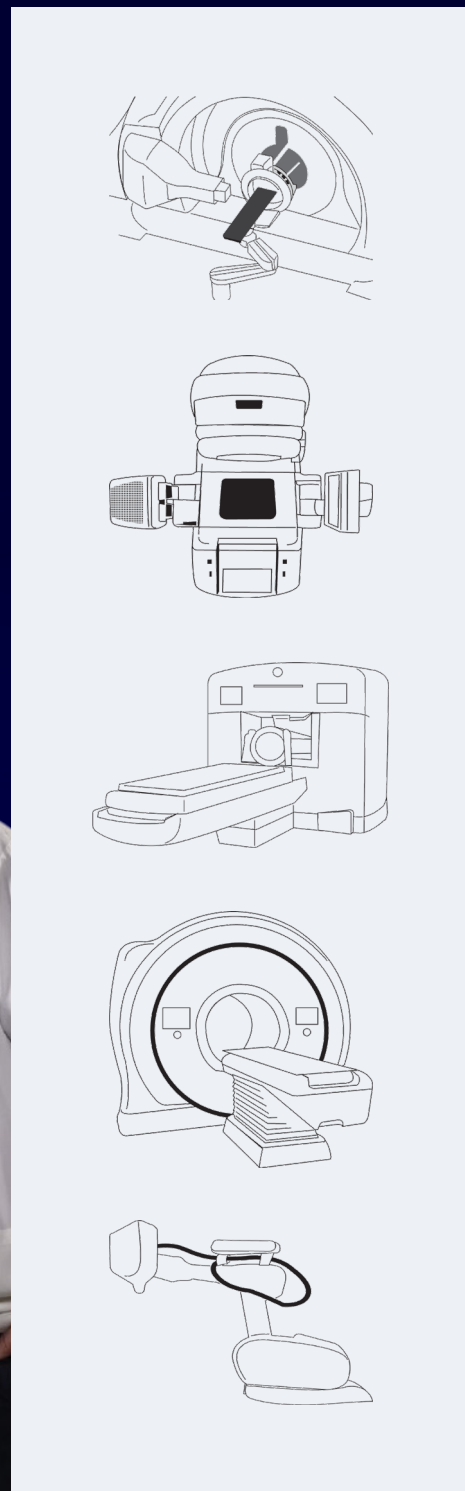
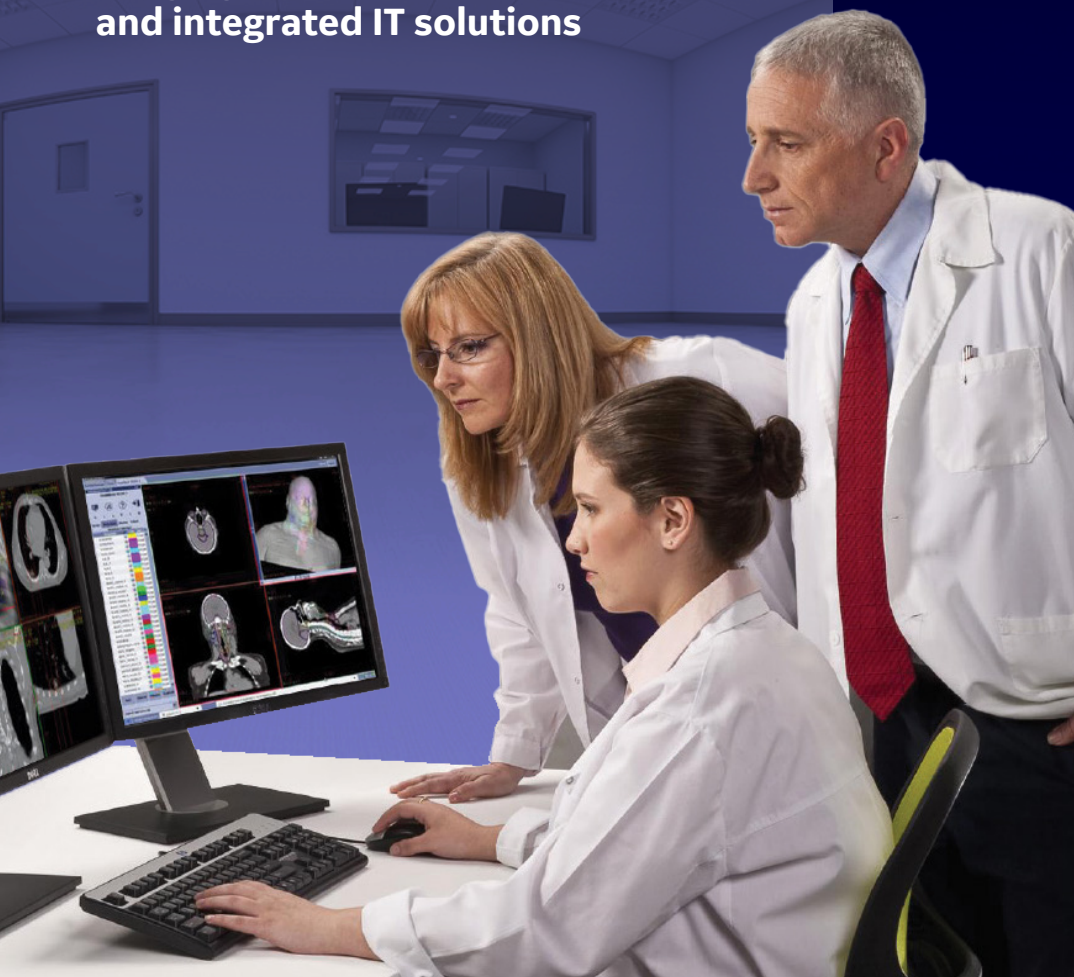
With MaxFOV 2



Advanced radiation therapy is highly demanding

- Sub-millimetric accuracy
- Routine 4D imaging
- Imaging large patients
- Challenging patient positions
- Metal implants
- Multi-modality planning
- Staff in different locations

RT planning requires precision imaging, efficient workflow and integrated IT solutions



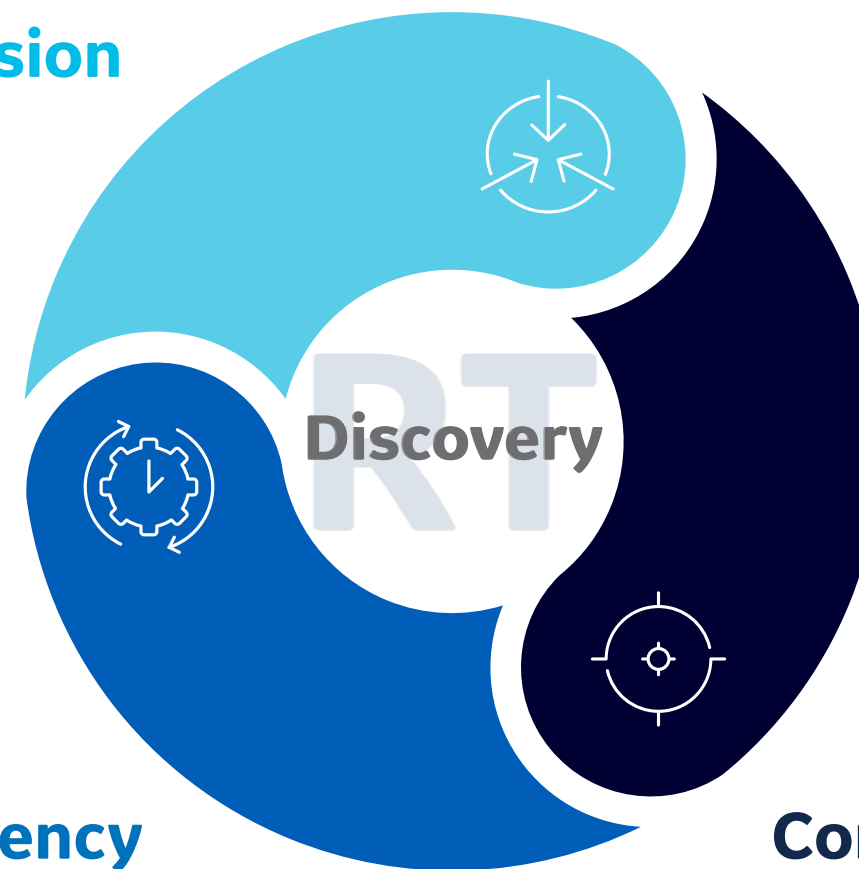
See everything. Miss nothing.

Radiation therapy planning technologies are interconnected. In the past, enhancements to one feature could only be made by impacting another. You had to choose between a wide bore or a high quality image. Discovery™ RT changes all of that with an all-encompassing approach to radiation therapy planning. You get a streamlined workflow and sub-millimetric images that are effectively free of motion and metal artifacts. And it allows virtually complete imaging of the entire bore so you don't miss anything. Discovery RT is a comprehensive radiation therapy solution that allows you to see all that your CT can see.

Precision

Efficiency

Continuum



Precise patient positioning.

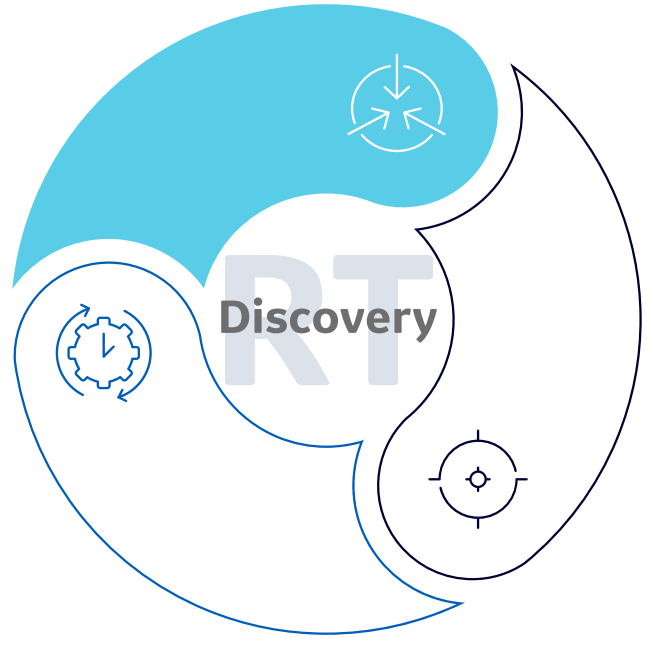
The system has been designed for the unique workflows of radiation oncology simulation to accurately plan and delivery treatment:

- Large bore for flexibility and freedom to position patients in the optimal position for treatment delivery.
- A rigid cradle made from advanced composite carbon fiber minimizes table deflection.
- Complete line of accessories for your simulation needs.



Precision

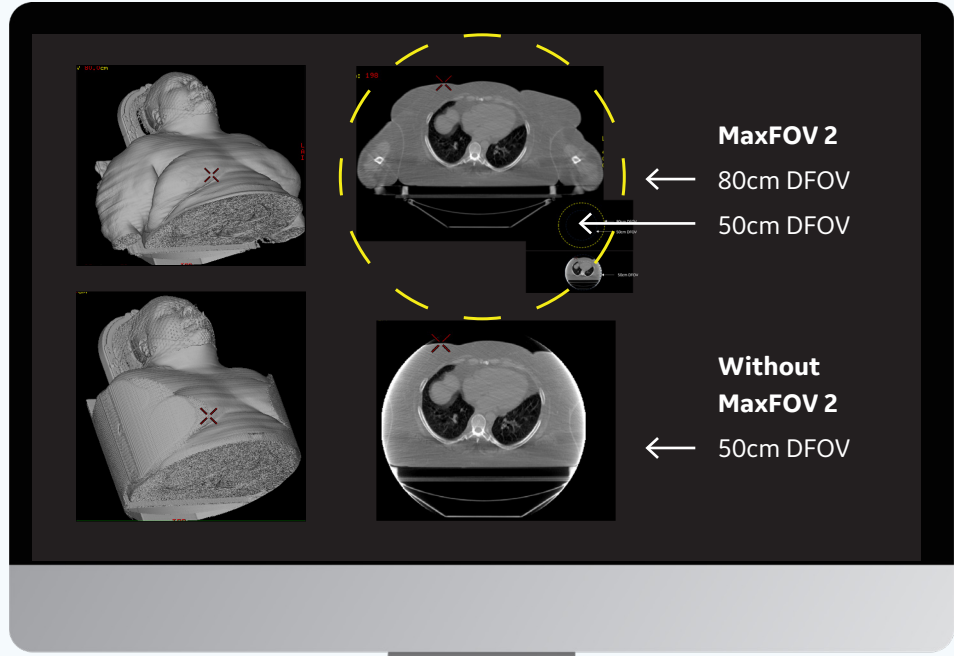
- MaxFOV 2
- 1024 Recon
- SmartMAR 2



MaxFOV 2

Deep learning powered extended Field-of-View

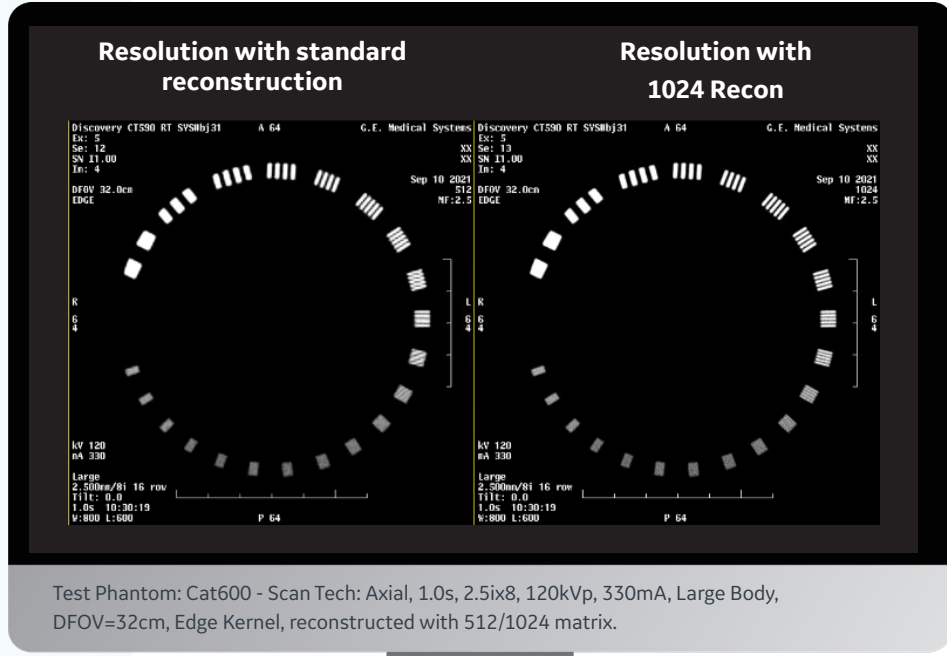
Developed via deep learning technology, MaxFOV 2 is GE next generation extended field-of-view technology for radiation therapy planning, for patients of all ages, especially bariatric patients.



1024 Recon

Image Matrix Reconstruction

Innovative imaging reconstruction which provides a higher pixel resolution and higher frequency reconstruction algorithms.

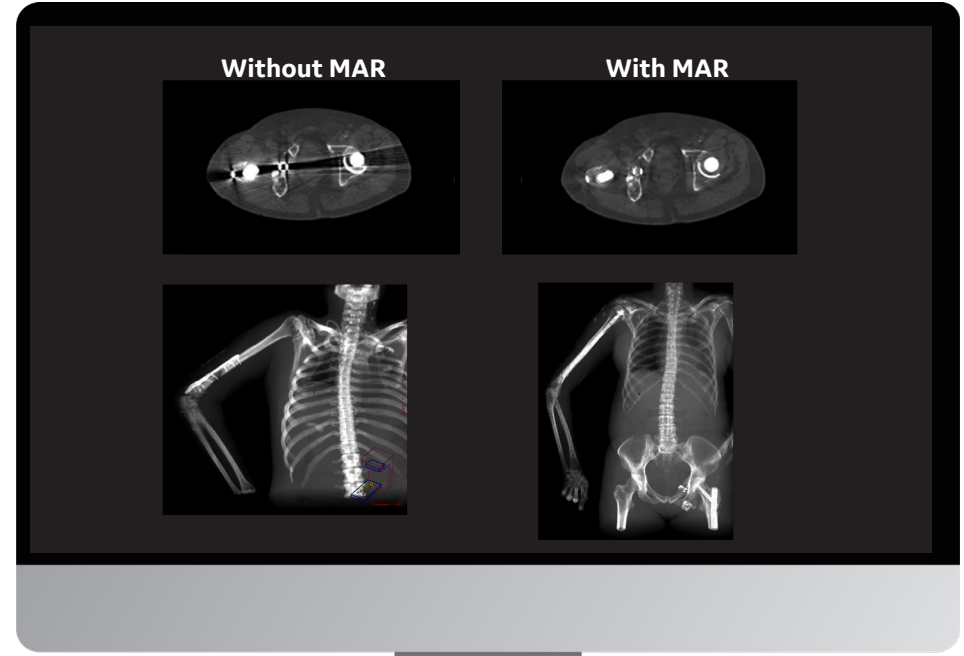


Test Phantom: Cat600 - Scan Tech: Axial, 1.0s, 2.5ix8, 120kVp, 330mA, Large Body, DFOV=32cm, Edge Kernel, reconstructed with 512/1024 matrix.

SmartMAR 2

Smart metal artifact reduction technology with MaxFOV 2

- Designed to eliminate artifacts across a range of dense objects, such as:
 - Hip implants, dental fillings, screws.
 - Integrated with MaxFOV 2 - Metal artifact correction out to 80 cm DFOV.



Providing the full portfolio of 4D solutions.

Prospective gating and breath hold

CT acquisition synchronized with trigger-defined amplitude of the respiratory curve. Supports both free-breathing and breath-hold modes.

Whole lung thin slice 4D gating

4D respiratory gating coverage of up to 6,000 images, enabling thinner slices to support SBRT.

Traditional 4D retrospective gating

Retrospective 4D gating to improve imaging resolution and reduce motion artifacts. Use with an external device matched to the treatment room for gated treatments.

Advantage 4D on console

Allows 4D images to be automatically binned, networked, and available on your TPS within 90 seconds of completing the patient scan. Technologists can confirm the 4D binned image before releasing the patient.

Deviceless 4D

Retrospective 4D imaging directly from the patient's anatomy without the need for an external device.

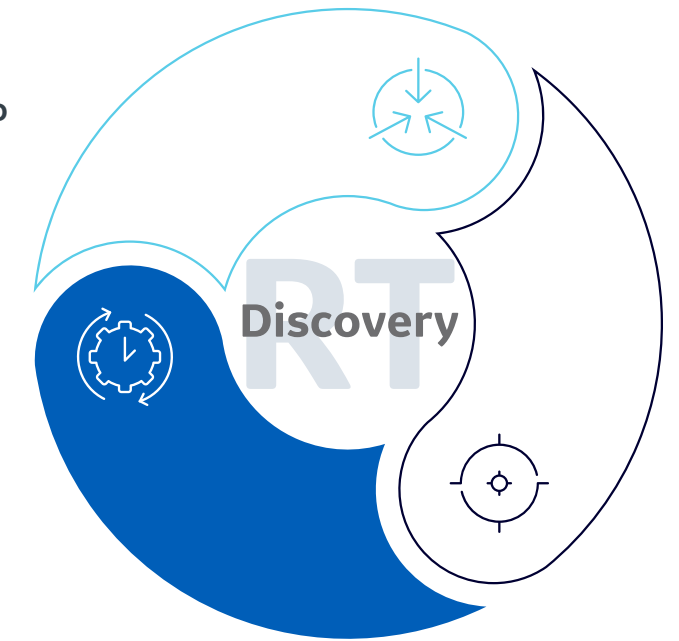
Interactive 4D

Pause/Rescan capabilities allows you to complete the scan without starting over.



Efficiency

Smart Deviceless 4D
AdvantageSim MD
and Mirada
Image Protocol
Management



Smart Deviceless 4D

Respiratory gating without an external device

Respiratory gating without an external device

- Eliminates up to half of the manual steps from conventional 4D.
- Designed for patient comfort: no belts, blocks, markers, etc. touching the patient.



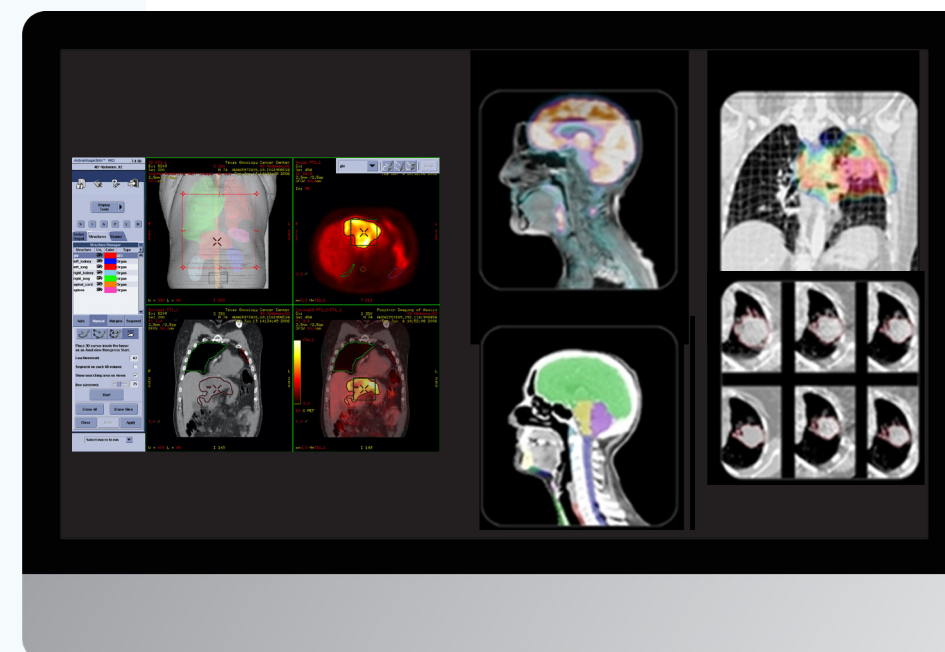
AdvantageSim MD and MIRADA RTx

Efficient virtual simulation



Multi-modality simulation (CT, MR, PET) with Mirada RTx* integrated in AW Workstation and AW Server – enabling multi-modality image fusion with auto registration and auto segmentation.

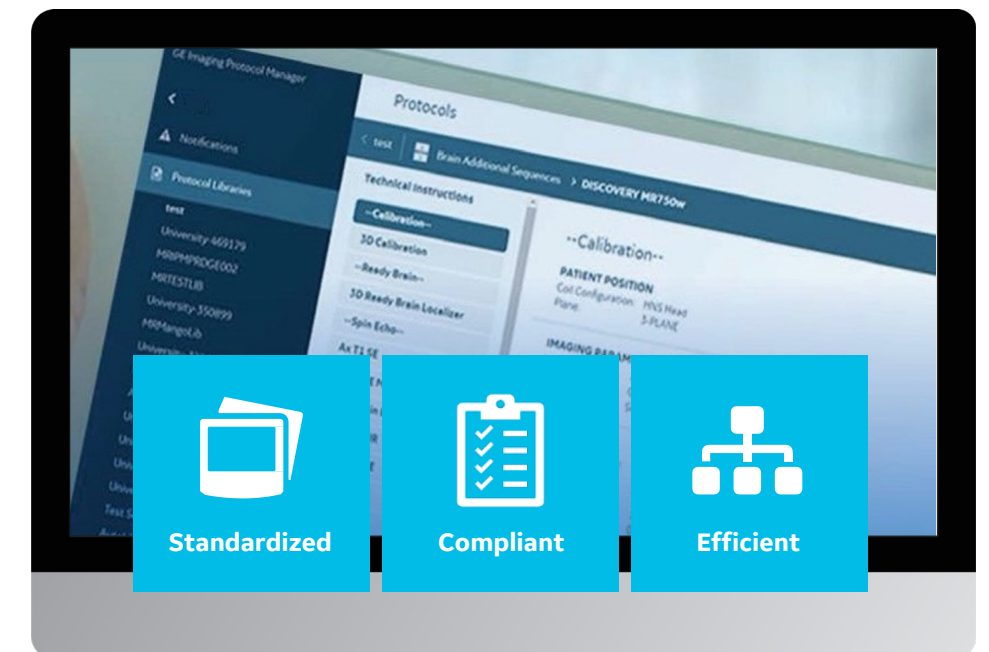
*RTx is manufactured by Mirada Medical and distributed by GE Healthcare. Not available in all countries.



Imaging Protocol Manager

Improved protocol management to help ensure high-quality, efficient imaging

IPM is a cloud-based, proprietary application that allows clinical teams to automatically upload, download, edit, monitor and distribute protocols for GE CT and MR systems. As a fleet enterprise solution, IPM helps standardize protocols and ultimately control quality across sites.

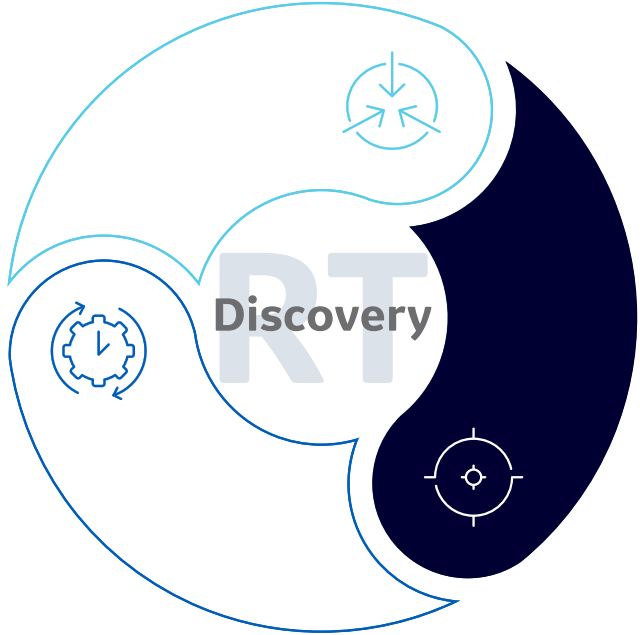


GE Healthcare – Leading Innovations for the development of Radiation Oncology since 1999.

Lightspeed	Lightspeed RT	Lightspeed RT16	Discovery CT590 RT Optima CT580 WRT	Discovery RT Gen1/Gen2	Discovery RT Gen3					
1999	2000	2002	2003	2006	2009	2010	2011	2015	2018	2021
1st	1st	1st	1st	2nd	650lb Capability	650lb Capability	PDAS, NIO16	MAR	MAR+ MaxFOV	DL MaxFOV 2
Auto CT/ MR Fusion	Auto CT/PET Fusion	4D Gating Solution	WB Multi-slice Scanner 4D PET offering 4D/Multimodality Simulation	WB 16 slice scanner	Respiratory Gating Integrated Injector Neuro 3D Chest Kernel	Respiratory Gating Integrated Injector Neuro 3D Chest Kernel	Large IBO Dose Check ASiR Guidance	Deviceless 4D SmartView 3D MaxFOV	4D WF Improve Recon Overlap 32slice	1024 Recon IPM

Continuum

Leading Innovations
Upgradability
Smart Subscription



Timeline of innovations

A trusted platform: >1700 systems*
in use worldwide

Upgradability

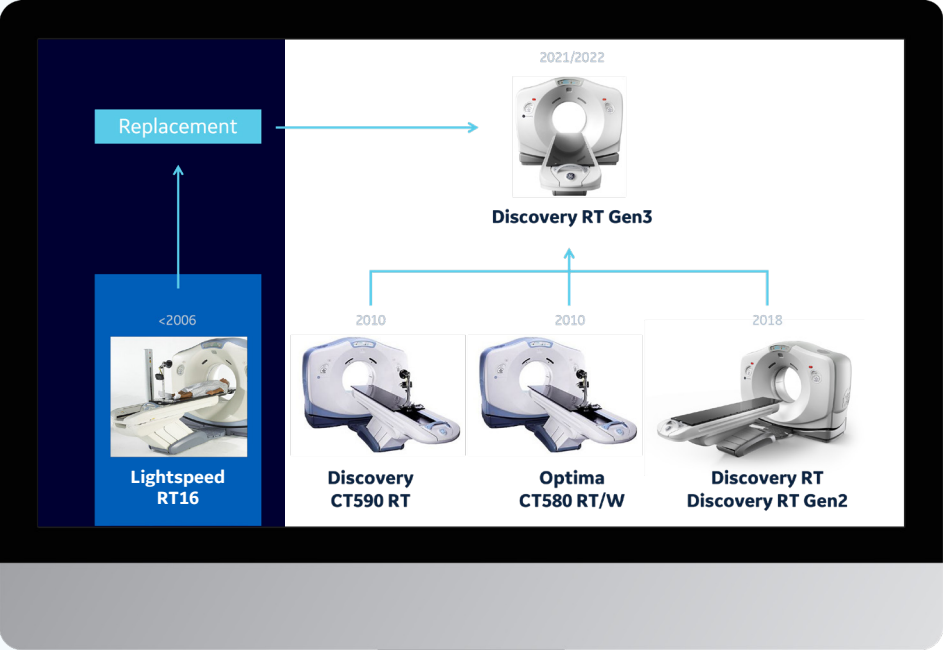
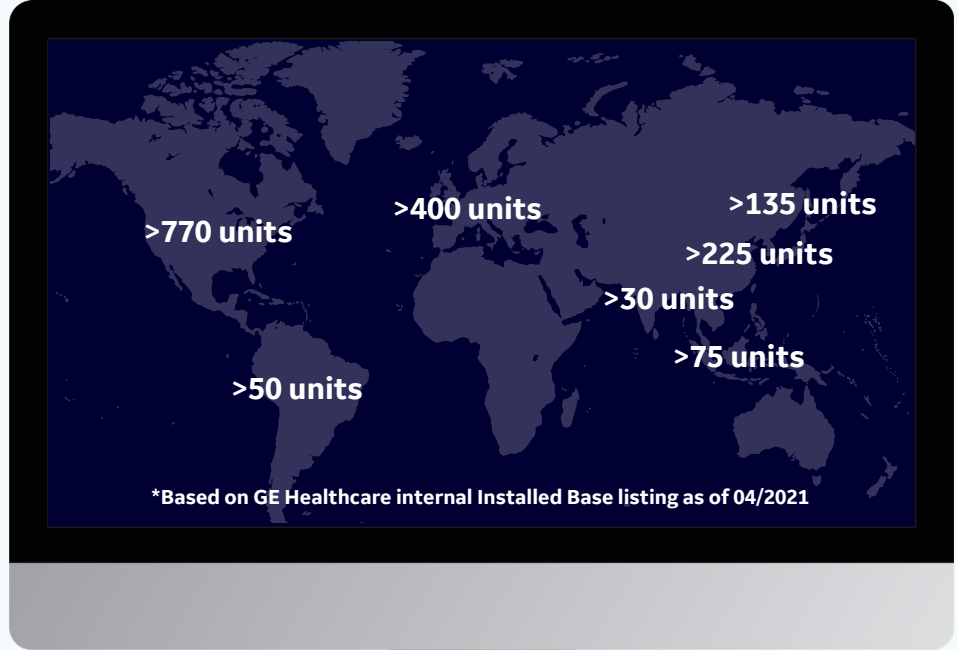
Continuum for the future

Bring previously installed GE's radiotherapy simulators to the latest generation through upgrade or replacement programs.

Smart Subscription

Giving you access to the latest capabilities everyday you own it

Subscription service that provides access to the latest capabilities for your devices, whenever you need, for one annual fee per device.



Subscription offering on Discovery RT

Recon & IQ ASiR Smart MAR 2.0 MaxFOV 2	+	Respiratory Deviceless 4D Advantage 4D Prospective Gating	+	Workflow IPM
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¹See GE Specifications for Test Protocols.

Discovery™ RT Gen3

- 80 cm bore – 80 cm Deep Learning MaxFOV 2 with specified accuracy
- Micro-voxel detector – 0.22mm³
- Power – 100kW – 800 mA
- TG-66 Table – 500 lbs. / 650 lbs.
- Complete motion management solution with interactive 4D and deviceless 4D
- SmartMAR 2.0 – Effective to 80cm. Recon in <3 min
(Based on a typical case of having two metals that are 20 x 20 mm round and 200 mm long)
- Comprehensive Simulation and multi-modality workflow
- Proven Platform with GE continuum

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