



NC DEPARTMENT OF  
**HEALTH AND  
HUMAN SERVICES**

**JOSH STEIN** • Governor

**DEV DUTTA SANGVAI** • Secretary

**MARK PAYNE** • Director, Division of Health Service Regulation

**VIA EMAIL ONLY**

June 24, 2025

Jeffrey Shovelin

[jshoveli@ecuhealth.org](mailto:jshoveli@ecuhealth.org)

**Exempt from Review – Replacement Equipment**

**Record #:** 4808

**Date of Request:** April 4, 2025

**Facility Name:** ECU Health Medical Center

**FID #:** 933410

**Business Name:** Pitt County Memorial Hospital, Incorporated

**Business #:** 1443

**Project Description:** Replace CT scanner

**County:** Pitt

Dear Mr. Shovelin:

The Healthcare Planning and Certificate of Need Section, Division of Health Service Regulation (Agency), determined that the above referenced project is exempt from certificate of need review in accordance with G.S. 131E-184(a)(7). Therefore, you may proceed to acquire without a certificate of need the GE Revolution Apex 8cm fixed CT scanner to replace the GE VCT 64 Slice XT Cardio fixed CT scanner SID #252847VCT2. This determination is based on your representations that the existing unit will be sold or otherwise disposed of and will not be used again in the State without first obtaining a certificate of need if one is required.

It should be noted that the Agency's position is based solely on the facts represented by you and that any change in facts as represented would require further consideration by this office and a separate determination. If you have any questions concerning this matter, please feel free to contact this office.

Sincerely,

Gregory F. Yakaboski  
Project Analyst

Micheala Mitchell  
Chief

cc: Acute and Home Care Licensure and Certification Section, DHSR  
Radiation Protection Section, DHSR  
Construction Section, DHSR

**NC DEPARTMENT OF HEALTH AND HUMAN SERVICES • DIVISION OF HEALTH SERVICE REGULATION**

**HEALTHCARE PLANNING AND CERTIFICATE OF NEED SECTION**

LOCATION: 809 Ruggles Drive, Edgerton Building, Raleigh, NC 27603

MAILING ADDRESS: 809 Ruggles Drive, 2704 Mail Service Center, Raleigh, NC 27699-2704

<https://info.ncdhhs.gov/dhsr/> • TEL: 919-855-3873

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER



## Addendum to Agreements

This Addendum ("Addendum") is made by ECU Health with an address at PO Box 6028, Greenville, NC 27835-6028 ("Customer") and the GE HealthCare business ("GE HealthCare") identified on the GE HealthCare Quotation(s), parties to those certain Quotations identified and attached hereto as Exhibit A (each, a "Quotation" and collectively, the "Quotations"), for the products and/or services listed on each such Quotation in accordance with the terms and conditions identified on each such Quotation (each such Quotation, an "Agreement" and collectively, the "Agreements").

The Agreements are amended as follows:

1. Notwithstanding anything to the contrary in the Agreements, the parties agree that the Managed Equipment Services Agreement dated September 1, 2022 between Customer and GE HealthCare shall be the Governing Agreement.
2. As a matter of administrative convenience, the parties agree to the Terms and Conditions of the Quotations by signature of this Addendum. For the avoidance of doubt, the parties agree that by signing this Addendum, they are executing, and do not need to separately sign, each of the documents identified in Exhibit A. Customer agrees that it has authority to sign on behalf of all facilities listed in the Quotations.
3. Except as set forth in this Addendum, each Agreement is unaffected and continues in full force in accordance with its terms. If there is a conflict between this Addendum and any Agreement or any other earlier amendment, the terms of this Addendum will prevail.
4. Customer's form of payment:

Initial to indicate form of payment:  
 (If potential for a lease exists, GE HEF or otherwise, select lease)

☐ Cash\*      ☒ Lease      ☐ GE HEF Loan

If leasing please provide name of finance company below:

GE HEF

\*Selecting cash declines option for GE HEF financing

The parties have caused this Addendum to be executed by their authorized representative as of the last signature date below.

**ECU Health**

Signature: Andrew Montgomery  
Andrew Montgomery (Dec 22, 2023 4:31 PM EST)

Print Name: Andrew Montgomery

Title: Vice President Supply

Date: Dec 22, 2023

**GE HealthCare**

Signature: Sarah Wilson  
Sarah Wilson (Dec 22, 2023 10:40 EST)

Print Name: Sarah Wilson

Title: Market Vice President

Date: Dec 22, 2023



**Exhibit A**

No.	Quotation No.	Date
1	2008630015.4	October 2, 2023
2	2010180184.1	October 2, 2023
3	2010327437.1	October 2, 2023
4	2010180237.1	October 2, 2023
5	2010327556.1	October 2, 2023
6	2010327492.1	October 2, 2023
7	2009342988.4	October 2, 2023
8	2010356226.1	October 2, 2023
9	2010332385.1	September 18, 2023
10	2010180081.2	October 2, 2023
11	2010361637.1	September 29, 2023
12	2010344048.1	September 21, 2023
13	2010337293.1	September 19, 2023
14	2007965768.2	October 2, 2023
15	2007873994.17	October 2, 2023
16	2010223808.1	October 2, 2023
17	2008070933.3	November 6, 2023
18	2010033215.13	October 2, 2023
19	2008601081.4	November 7, 2023
20	2008070876.3	November 6, 2023
21	2010223748.2	October 2, 2023
22	2010223775.1	October 2, 2023
23	2010180908.2	October 2, 2023
24	2007884411.5	October 2, 2023
25	2010223800.2	October 2, 2023
26	2009884569.3	October 2, 2023
27	2010223345.2	October 2, 2023
28	2010223456.1	October 2, 2023
29	2009936151.3	September 19, 2023

EEDG  
CT =>

=< EPMC  
CT

EHMC  
NUC MED =>

No.	Quotation No.	Date
30	2007874118.4	October 2, 2023
31	2007874134.4	October 2, 2023
32	2010327604.1	October 2, 2023
33	2008070727.8	November 6, 2023
34	2005847155.4	October 2, 2023
35	2010332345.1	October 2, 2023
36	2010332394.1	September 18, 2023
37	2005826738.10	November 20, 2023

Please see attached

February 15, 2025

Ms. Micheala Mitchell  
Chief, Healthcare Planning and Certificate of Need  
Division of Health Service Regulation  
NC Department of Health and Human Services  
2704 Mail Service Center  
Raleigh, NC 27699-2704

FILED ELECTRONICALLY

**RE: Request for Exemption Pursuant to G.S. 131E-184(a7) / Pitt County Memorial Hospital, Inc., d/b/a ECU Health Medical Center / Replace an Existing Diagnostic CT Scanner / Pitt / FID #: 933410**

Dear Ms. Mitchell,

ECU Health Medical Center (EHMC) plans to replace an existing diagnostic CT Scanner with new equipment on its main hospital campus located in Greenville, NC (Pitt County). EHMC believes that the proposed equipment replacement is not subject to review under North Carolina's Certificate of Need (CON) laws.

The proposed project includes the replacement of a GE Lightspeed VCT 64-Slice XT Cardio CT Scanner with a GE Revolution Apex CT Scanner. The total capital costs for the proposed replacement are estimated to be \$2,378,591 (see Appendix B for the capital cost sheet). These costs include all expenses associated with the equipment and renovations.

EHMC believes the proposed project is exempt from CON review under G.S. 131E-184(a7) – replacement equipment. EHMC believes the proposed project meets the definition of replacement equipment as defined by G.S. 131E-176(22a) in that:

1. The total cost of the replacement equipment is less than \$2,971,200,
2. The equipment is being purchased for the sole purpose of replacing comparable medical equipment currently in use (see Appendix A for equipment comparison table, Appendix C for vendor quotes, and Appendix D for a brochure for the new equipment),
3. The existing equipment will be sold or otherwise disposed of when replaced,
4. The replacement equipment will be located in the same location as the existing equipment (see Appendix E for site and floor plans), and
5. The reason for the replacement is due to the existing equipment is past the age of its useful life.

Since EHMC's proposal meets the definition of "replacement equipment", G.S. 131E-184(a7) exempts this project from CON review. Therefore, EHMC requests approval of an exemption status for the proposed project.

In the event the project exceeds the \$2,971,200 equipment replacement threshold, EHMC believes the proposed project would still be exempt from review under G.S. 184(f) since the replacement equipment will be located on the main campus of a licensed health service facility.



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If you require additional information or clarification, please contact me at (252) 847-3631 or [jshoveli@ecuhealth.org](mailto:jshoveli@ecuhealth.org).

Thank you.

A handwritten signature in black ink that reads "Jeffrey Shovelin". The signature is fluid and cursive, with the first name "Jeffrey" written in a more stylized, looped manner and the last name "Shovelin" in a more straightforward cursive.

Jeffrey Shovelin  
VP of Business Planning and Strategy, ECU Health  
PO Box 6028, Greenville NC 27835-6028  
252-847-3631  
[jshoveli@ecuhealth.org](mailto:jshoveli@ecuhealth.org)

# **Appendix A**

## **Equipment Comparison Table**



## EQUIPMENT COMPARISON

	EXISTING EQUIPMENT	REPLACEMENT EQUIPMENT
Type (e.g., Cardiac Catheterization, Gamma Knife®, Heart-lung bypass machine, Linear Accelerator, Lithotripter, MRI, PET, Simulator, CT Scanner, Other Major Medical Equipment)	CT Scanner	CT Scanner
Manufacturer	GE	GE
Model number	VCT 64 Slice XT Cardio	Revolution Apex 8cm
Other method of identifying the equipment (e.g., Room #, Serial Number, VIN #)	SID: 252847VCT2	Serial Number TBD
Is the equipment mobile or fixed?	Fixed	Fixed
Date of acquisition	1/08/2007	Order placed: 12/26/2023
Was the existing equipment new or used when acquired? / Is the replacement equipment new or used?	New	New
Total projected capital cost of the project <Attach a signed Projected Capital Cost form>	N/A	\$ (see Appendix B for details)
Total cost of the equipment	\$624,682.58	\$1,757,389.54
Location of the equipment <Attach a separate sheet for mobile equipment if necessary>	ECU Health ECU Medical Center 2100 Stantonburg Rd, Greenville, NC 27834	ECU Health ECU Medical Center 2100 Stantonburg Rd, Greenville, NC 27834
Document that the existing equipment is currently in use		N/A
Will the replacement equipment result in any increase in the average charge per procedure?	N/A	No
If so, provide the increase as a percent of the current average charge per procedure	N/A	N/A – See Above
Will the replacement equipment result in any increase in the average operating expense per procedure?	N/A	No
If so, provide the increase as a percent of the current average operating expense per procedure	N/A	NA – See Above
Type of procedures performed on the existing equipment <Attach a separate sheet if necessary>	General CT Procedures	N/A

Type of procedures the replacement equipment will perform <Attach a separate sheet if necessary>	N/A	General CT Procedures (see brochure in Appendix D for additional information)
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Date of last revision: 5/17/19

# **Appendix B**

## **Capital Cost Sheet**

# **CAPITAL COST SUMMARY - ECUH-MC CT2 Eqpm Replacement #5034**

## **Site Costs**

(1) Full purchase price of land	\$	0
Acres 0 Price per Acre \$ _____		
(2) Closing costs	\$	0
(3) Site Inspection and Survey	\$	0
(4) Legal fees and subsoil investigation	\$	0
(5) Site Preparation Costs [Include]		
Soil Borings		
Clearing and Grading		
Roads and Parking		
Sidewalks		
Water and Sewer		
Excavation and Backfill		
Termite Treatment		
Sub-Total Site Preparation Costs	\$	0
(6) Other (Specify)	\$	0
(7) Sub-Total Site Costs		\$ 0
Construction Contract		
(8) Cost of Materials [Include]		
General Requirements		
Concrete/Masonry		
Woods/Doors & Windows/Finishes		
Thermal & Moisture Protection		
Equipment/Specialty Items		
Mechanical/Electrical		
Sub-Total Cost of Materials	\$	300,385
(9) Cost of Labor	\$	200,256
(10) Other (DHSR Review Fee)	\$	2,000
(11) Sub-Total Construction Contract		\$ 502,641
Miscellaneous Project Costs		
(12) Building Purchase	\$	0
(13) Fixed Equipment Purchase/Lease	\$	1,757,390
(14) Movable Equipment Purchase/Lease	\$	0
(15) Furniture	\$	0
(16) Landscaping	\$	0
(17) Consultant Fees		
Architect and Engineering Fees	\$	118,560
Legal Fees	\$	0
Market Analysis	\$	0
CON Preparation	\$	0
Sub-Total Consultant Fees	\$	118,560
(18) Financing Costs (e.g. Bond, Loan, etc.)	\$	0
(19) Interest During Construction	\$	0
(20) Other (Specify)	\$	0
(21) Sub-Total Miscellaneous		\$ 1,875,950
(22) Total Project Capital Cost (Sum A-C above)	\$	2,378,591

I assure that, to the best of my knowledge, the above capital costs for the proposed project are complete and correct and it is my intent to carry out the proposed project as described.

# **Appendix C**

## **Equipment Quote**





October 2, 2023  
Quote Number: **2007873994.17**  
Customer ID: **1-23I1HJ**  
Quotation Expiration Date: **11/27/2023**

ECU Health Medical Center  
2100 Stantonsburg Rd  
Greenville, NC 27834-2818

This Agreement (as defined below) is by and between the Customer and the GE HealthCare business ("GE HealthCare"), each as identified below for the sale and purchase of the Products and/or Services identified in this Quotation, together with any applicable schedules referred to herein ("Quotation"). "Agreement" is this Quotation (including line/catalog details included herein) and either: (i) the Governing Agreement identified below; or (ii) if no Governing Agreement is identified, the GE HealthCare Terms and Conditions and Warranties that apply to the Products and/or Services identified in this Quotation.

GE HealthCare can withdraw this Quotation at any time before Customer: (i) signs and returns this Quotation or (ii) provides evidence of Quotation acceptance satisfactory to GE HealthCare ("Quotation Acceptance"). On Quotation Acceptance, this Agreement is the complete and final agreement of the parties relating to the Products and/or Services identified in this Quotation. There is no reliance on any terms other than those expressly stated or incorporated by reference in this Agreement and, except as permitted in this Agreement, no attempt to modify will be binding unless agreed to in writing by the parties. Modifications may result in additional fees and cannot be made without GE HealthCare's prior written consent.

Handwritten or electronic modifications on this Agreement (except an indication of the form of payment, Customer purchase order number and signatures on the signature blocks below) are void.

Governing Agreement:	Premier
Terms of Delivery	FOB Destination
Billing Terms	80% on Delivery / 20% on Acceptance
Payment Terms	NET 45 DAYS
Sales and Use Tax Exemption	No Certificate on File
Total Quote Net Selling Price	\$ 1,757,389.54

**IMPORTANT CUSTOMER ACTIONS:**

Please select your planned source of funds. Source of funds is assumed to be cash unless you choose another option. Once equipment has been shipped, source of funds changes cannot be allowed.

☐ Cash

☐ GE HFS Loan ☐ GE HFS Lease

☐ Other Financing Loan ☐ Other Financing Lease Provide Finance Company Name \_\_\_\_\_

The parties have caused this Agreement to be executed by their authorized representative as of the last signature date below.

ECU Health Medical Center

**Signature:** \_\_\_\_\_

**Print Name:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Date:** \_\_\_\_\_

\_\_\_\_\_  
Purchase Order Number, if applicable

GE Precision Healthcare LLC, a GE Healthcare business

**Signature:** John Cruz

**Title:** Lead Sales Specialist Imaging

**Date:** October 2, 2023

**Document Instructions**

Please sign and return this quotation together with any Purchase Order(s) to:

**Name:** John Cruz

**Email:** john.cruz@ge.com

**Phone:** (919) 621-3653

**Fax:**

**Payment Instructions**

Please **remit** payment for invoices associated with this quotation to:

**GE Precision Healthcare LLC**

**P.O. Box 96483**

**Chicago, IL 60693**

**FEIN: 83-0849145**

**Addresses:****ECU Health Medical Center**

**Bill To:** ECU Health Medical Center

2100 Stantonsburg Rd, Greenville, NC, US, 27834-2818

**Ship To:** ECU Health Medical Center

2100 Stantonsburg Rd, Greenville, NC, US, 27834-2818

**To Accept This Quotation**

- Please sign the quote and any included attachments (where requested).
- Source of Funds (choice of Cash/Third Party Loan or GE HFS Lease Loan or Third Party Lease through \_\_\_\_\_), must be indicated, which may be done on the Quote Signature Page (for signed quotes), or the Purchase Order (where quotes are not signed) or via a separate written source of funds statement (if provided by GE HealthCare).
- If your purchasing process requires a purchase order, please make sure it includes:
  - The correct Quote number and Version number above
  - The correct Remit To information as indicated in "Payment Instructions" above
  - Your correct SHIP TO and BILL TO site name and address
  - The correct Total Price as indicated above

Evidence of the agreement to contract terms. Either: (a) the quotation signature filled out with signature and P.O. number; or (b) Verbiage on the purchase order stating one of the following:

- (i) "Per the terms of Quotation # \_\_\_\_\_";
- (ii) "Per the terms of GPO # \_\_\_\_\_";
- (iii) "Per the terms of MPA# \_\_\_\_\_"; or
- (iv) "Per the terms of SAA # \_\_\_\_\_".

## Catalog Item Details

Line	Qty	Catalog	
<b>1</b>	<b>1.00</b>	<b>Y0000LC</b>	<b>Pricing Non-Disclosure Language</b>

This CONFIDENTIAL offer may not be shared with any third parties, buying evaluation groups or anyone not directly employed by customer. This offer is being extended in relation to a national show-site agreement, research partnership, or other non-standard transaction. If required for publishing, GE will happily provide a list price quote.

Line	Qty	Catalog	
<b>2</b>	<b>1.00</b>	<b>S7919CN</b>	<b>Revolution Apex Plus Power Pro</b>

The Revolution Apex Platform is the first CT Scanner that can be configured from a 40 mm Detector Coverage system to a 160 mm whole organ coverage scanner. The coverage can be changed in the future with a detector upgrade while maintaining all other hardware features like the 80 cm bore, High Power X-Ray Tube, and Advanced Gantry Hardware while maintaining the same software and user interface features.

The Revolution Apex Plus Power Pro Configuration (80 mm coverage detector) offers a Gemstone Clarity Detector with the power to achieve 1200 max mA. The Revolution Apex Plus Power Pro also comes with a rotation speed of 0.28 seconds per rotation to provide excellent temporal resolution. The scanner configuration comes equipped with our HyperDrive Technology that allows scan speeds up to 437 mm/s. All coverages of the Gemstone Clarity detector include High-Definition Image Acquisition enabling a 0.23 mm spatial resolution and can also enable Gemstone Spectral Imaging (option) where kV-mA synchronized switching between 80 kVp and 140 kVp provides superb Dual Energy Image Quality without sacrificing the 50 cm FOV. It pairs the full potential of the fastest, most powerful CT platform in the industry with breakthrough image quality powered by TrueFidelity™ that works with both single energy and Gemstone Spectral Imaging (GSI) Images. The Revolution Apex Plus Power Pro Configuration is also equipped with the latest workflow solution, Effortless Workflow. Effortless Workflow eliminates task-based work for the Technologist by reducing the number of clicks to execute a scan by 66%.

### Cardiac Imaging

The Revolution Apex Plus Power Pro Configuration comes with all cardiac acquisition software and hardware to enable advanced Cardiac scanning. The 80 mm detector enables 2-Beat Cardiac Imaging for CCTA and 1-Beat TAVI planning. Effortless workflow for cardiac combines the capabilities of Auto Prescription and Auto-Gating to optimize the scan parameters for every patient to ensure the optimal dose and image quality by adjusting scan parameters based on patient size and the ECG waveform from the Integrated Cardiac Monitor. Smart Phase helps to optimize the phase that is reviewed by the clinician and the 0.28 s rotation speed can be enhanced with our motion correction software, SnapShot Freeze 2 (option), to enable a 24 ms effective temporal resolution.

### Neuro Imaging

With 8-cm coverage, the Revolution Apex Plus Power Pro allows for stroke imaging without shuttling the table. This technology in combination with FastStroke (option) allows for a full ischemic stroke workup in less than 5-minutes. Multi-varying sampling allows the user to reduce overall dose during a perfusion exam by varying the sampling time while doing perfusion exams. This is done by sampling quickly during the arterial phase and slowing down the sampling during the washout phase. In addition, for standard Neuro Imaging, the Revolution Apex Plus Power Pro comes with Enhanced Boundary (EB) and Enhanced Contrast (EC) features to improve Grey-White Matter differentiation and the option to collimate Neuro protocols to 20 mm.

### Oncology

Every Revolution Apex is equipped with a Gemstone Detector that can enable Gemstone Spectral Imaging (option) which can be used in oncology diagnosis to enhance lesion conspicuity. For abdominal cancers, the combination of the Quantix Tube (1200 mA) and TrueFidelity allow for improved image contrast for both single and dual energy scans that enables superb image quality, even for high BMI patients.

### Emergency Department

For the Revolution Apex Plus Power Pro, HyperDrive technology allows fast trauma scanning at 437 mm/s in single energy scanning and 245 mm/s when scanning with GSI for dual energy scans without sacrificing the 50 cm FOV. For the imaging of bone, HD mode and a 1024 reconstruction matrix can provide fine detail imaging. Smart Metal Artifact Reduction (Smart MAR) can be used to reduce beam hardening and photon starvation artifacts from high-z materials within the patient anatomy. Effortless workflow enables a streamlined setup at the patient's side to enhance the workflow for Emergency Department scanning.

### Pediatrics



With the scan speed in both helical (437 mm/s with HyperDrive) and axial (16 cm coverage axial acquisition in 0.28 s), the Revolution Apex Plus Power Pro allows for fast scanning of pediatric patients to help minimize the need for sedation. With TrueFidelity and 70 kVp scanning, the Revolution Apex allows for great image quality while maintaining a low dose level.

For all base system specifications, please consult the Revolution Apex Plus Product Datasheet.

For a period of 3 years from Equipment Acceptance, GE Healthcare will provide Customer (as part of the Equipment warranty) with the following software changes to the extent they maintain existing software features of the Equipment and are made generally available to GE Healthcare's installed customer base as part of warranty: (i) updates, which consist of error corrections or modifications; (ii) interface modifications; and (iii) security patches that have been validated by GE Healthcare to be compatible with the Equipment. Software upgrades (including revisions or enhancements to (i) the Equipment's software or (ii) separately licensed Software), which improve or expand existing software features and are made generally available for purchase under a separate GE Healthcare license, are excluded. Additional hardware required to implement the software changes are excluded. GE Healthcare remote connectivity to the Equipment is required per GE Healthcare terms and conditions.

Line	Qty	Catalog	
3	1.00	B7919JM	NG2000V heavy patient table

The NG2000V heavy patient table has been exclusively designed for GEHC Ultra-premium CT systems.

The patient table features:

Maximal metal free horizontal scannable range: 2000 mm

Maximal table load: 306 kg / 675 lbs.

Maximal horizontal travel speed: 300 mm/s (standard) (437.5 mm/s optional with HyperDrive)

Horizontal positioning accuracy +/- 0.25 mm from any direction

Motor-driven table height adjustment from min. 550 mm to max. 1030 mm

Maximal vertical travel speed: 40 mm/s

10x more stiffness design to meet AAPM TG66 guideline specification.

Integrated ECG module with waveform and configuration through the gantry display

Workflow hub area with a see-through tray to give you the most flexibility in placing scanning related supplies, etc. without limiting visibility to the integrated ECG inputs.

IV Pole integrated at the foot-end of the table helps to prevent IV lines from becoming crossed and tangled and helps keep lines in place during patient table travel.

The X-strong foot switch cover, capable of supporting 612 kg / 1350 lbs. load, has been specially designed to support physicians or technologies to stand atop of it to implement diagnostic and/or treatment procedures to patients.

Line	Qty	Catalog	
4	1.00	B7919XN	Long Cable set

Line	Qty	Catalog	
5	1.00	B7919KG	ICM Accessories 2000 Table

The accessories of Integrated Cardiac Monitor (ICM) for 2000mm regular and heavy tables on Revolution Apex, Revolution CT, Revolution CT ES.

Line	Qty	Catalog	
6	1.00	B7919FF	Neuro MultiPhase CTA Protocols

- Neuro Multiphase CTA protocols is the group of CT acquisition protocols for multiphase CT angiography, an imaging tool that provides three time-resolved images of pial arterial filling in the whole brain, that can be used to predict clinical outcomes in patients with acute ischemic stroke.

- Neuro Multiphase CTA Protocols is the purchasable option of Revolution CT 2016 summer release.

Line	Qty	Catalog	
7	1.00	B7919PW	Max FOV 2

MaxFOV 2 is GE new generation, deep learning powered CT image reconstruction option to extend the display field-of-view (DFOV) up to 80 cm with high accuracy of patient contour and CT numbers sufficient for accurate dose calculations in radiation therapy planning. MaxFOV 2 is intended for patients of all ages, especially bariatric patients.

Line	Qty	Catalog	
<b>8</b>	<b>1.00</b>	<b>B7919SG</b>	<b>Low Dose CT Lung Cancer Screening SW Option</b>

This option provides lung screening reference protocols that are tailored to the CT system, patient size (small, average large), and the most current recommendations from a wide range of professional medical and governmental organizations. Now, qualified GE Healthcare CT scanners with this option are formally indicated for, and can be confidently used by physicians for low dose CT lung cancer screening of identified high-risk patient populations. These protocols deliver low dose, short scan times, and clear and sharp images for the detection of small lung nodules. Early detection from an annual lung screening with low dose CT in high-risk individuals can prevent a substantial number of lung cancer-related deaths.

Line	Qty	Catalog	
<b>9</b>	<b>1.00</b>	<b>S7919BG</b>	<b>GSI Package for Revolution Apex</b>

GSI Xstream is the first volume spectral CT technology with integrated and simplified workflow you can make part of your daily practice.

GSI Xstream utilizes ultrafast kVp switching x-ray source (0.252 msec switching between two different energy levels of X-rays from view to view during a single rotation) and ultra-fast response Gemstone Clarity Detector to acquire almost perfectly registered volumetric dual energy CT data. The data is then processed through projection domain material decomposition algorithms to generate material density maps (MD), monochromatic images (MC) and virtual unenhanced images (VUE). This data can be utilized to identify material specific differences in attenuation in terms of Water, Iodine, Calcium, Uric Acid, Fat and Hydroxyapatite (HAP) basis-pair images, allowing monochromatic and material representations. Metal Artifact Reduction (MAR) algorithms can also be applied to all GSI images to reduce artifacts due to the presence of metal.

GSI Xstream can provide:

- Nearly perfect temporal and spatial registration to avoid mis-registration artifacts due to motion in dual energy CT (0.252 ms)
- Advanced material differentiation, classification and quantification
- Optimization of contrast-to-noise ratio (CNR) by using monochromatic images
- Reduction in artifacts due to beam hardening and metal.
- Volume GSI Acquisition across 80 mm collimation with 50 cm FOV
- 245mm/s GSI scan speed with 1.5:1 pitch
- Dose neutral with ASiR-V integration
- Integrated with GE's Smart Technology suite of workflow tools: GSI Assist and Clinical ID standardize and automate protocol selection, including direct transfer to PACS
- Parallel processing of GSI images with Recon Server Xstream for improved workflow
- 10 Native GSI recons: keV, VUE, MD: Iodine, MD: Water, MD: Calcium, MD: Fat, MD: Uric Acid, MD: HAP, GSI MAR, 140kVp with automatic network to PACS and AW GSI viewer when needed.

GSI Neuro for Apex allows Revolution Apex system to achieve neuro dual energy spectral imaging with head scan field-of-view.

Line	Qty	Catalog	
<b>10</b>	<b>1.00</b>	<b>B7716WR</b>	<b>Xstream Injector Interface kit - Class IV (injector not included in this option)</b>

Class IV Software and cabling kit - required for use with Class IV Integrated Injectors For this option to work you must also quote an approved integrated injector. Please reference recommended CT accessories section of the CT scanner quote tool for approved list of injectors to select from. If customer is interfacing with existing on site injector you must validate if it is compatible. There may be additional upgrades needed, reference accessories quote tool for appropriate upgrades.

Class IV Software, which is the same as Class 4 in CiA425, allows synchronized start of the CT scan and setting injection parameters from the CT scan.

- required for use with Class IV Integrated Injectors

Line	Qty	Catalog
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**11            1.00        B78552CA                    CT Operator Console Desk**

The Freedom workspace is an ergonomic working environment specifically designed for use with the GE Healthcare imaging systems. The sleek table design enables the efficient use of space while enhancing clinical workflow and technologist comfort.

The Freedom workspace provides a minimalist footprint to improve patient visibility and giving the user easier access to patients in the imaging suite.

It offers sit/stand and horizontal/vertical monitor flexibility. It can also help reduce noise and heat with remote location options of the console. The non-adjustable Freedom workspace version is 1300mm long x 895mm wide x 850mm height and weighs 55.8kg.

Line	Qty	Catalog	
<b>12</b>	<b>1.00</b>	<b>B7660B</b>	<b>Chair</b>

Chair for CT scanner

Line	Qty	Catalog	
<b>13</b>	<b>1.00</b>	<b>B77292CA</b>	<b>CT Service Cabinet</b>

Service cabinet for system accessories storage

Line	Qty	Catalog	
<b>14</b>	<b>1.00</b>	<b>B7864PZ</b>	<b>Eaton 14.4 KVA 3-Phase Partial System UPS for GE CT and PET/CT Scanners</b>

Eaton's 14.4 KVA 3-Phase partial system UPS (Uninterruptible Power Supply) has been specifically configured to coordinate with compatible GE CT and PET/CT scanners.

The partial system UPS provides clean, reliable, constant voltage power to the scanner electronics. It helps protect the system's sensitive electronic components from damaging power anomalies such as high frequency noise transients and over voltage and under voltage conditions.

Utilizing the Partial system UPS can help maintain user productivity and improve system reliability. It can also help to reduce service costs and prevent system downtime.

**Specifications:**

1. Rating: 14.4 KVA
2. Input voltage range: three phases; 102-132V/phase
3. Input frequency range: 45-65 Hertz
4. Input power factor: >95% typical
5. Output frequency: 50 or 60 Hertz, autosensing
6. Output regulation: <3% steady state for all conditions of line and load
7. Voltage distortion: <5% threshold
8. Overload capacity: 110% for 10 minutes; 125% for 1 minute; 149% for 5 seconds.
9. Efficiency: >90% typical
10. Battery backup time: >10 minutes typical
11. Battery recharge time: < 3 hours to 80% capacity typical
12. Operating temperature: 50°F - 104°F (10°C - 40°C)
13. Floor heat dissipation: 5122 BTU/hour typical @11.5 KVA
14. Humidity: 20-80% relative humidity, non-condensing
15. Audible noise (norm mode): <60 dBA @1 meter
16. Dimensions (H x W x D): 49 inches x 12 inches x 32 inches (1245 mm x 305 mm x 813 mm)
17. Weight: 620 lbs (277 kg)

NOTE: THE PARTIAL SYSTEM UPS HAS DIFFERENT INTERACTIONS WITH COMPATIBLE SCANNERS, BASED ON DIFFERENT SCANNER POWER ARCHITECTURE. REFER TO THE PARTIAL SYSTEM UPS PRODUCT DATA SHEET FOR DETAILS.

NOTE: ITEM IS NON-RETURNABLE AND NON-REFUNDABLE

NOTE: REMOVAL/DISPOSAL OF OLD UPS IS THE CUSTOMERS RESPONSIBILITY

NOTE: CONTACT GE SERVICE OR EATON FOR START-UP ASSISTANCE

Line	Qty	Catalog	
<b>15</b>	<b>1.00</b>	<b>B7919VR</b>	<b>Chassis-less console seismic kit</b>

Console seismic kit includes the hardware necessary for sites that require seismic mounting.

Line	Qty	Catalog	
<b>16</b>	<b>1.00</b>	<b>E8016DA</b>	<b>CT Table Slicker for CT Revolution 2000 Table only</b>

The GEHC Revolution CT and Revolution Apex table slicker is specifically designed to maximize contaminant protection. Manufactured to be used in conjunction with the table restraining belts, this slicker adds versatility to your CT procedures. Latex free, it is strongly suggested that the slicker is cleaned with a water/bleach solution prior to every procedure.

Features:

- Table gray cushion sealed in vinyl slicker Dimension 2403 x 788
- Table extender gray cushion sealed in vinyl slicker Dimension 406 x 788
- Increase system uptime by protecting table from spills and particulate contaminants
- Easy to install and comfortable for patients
- Will not interfere with normal operation of CT table
- Clear PVC plastic facilitates faster cleanup of blood and fluids
- Prevents contaminant build up in hard to clean areas
- Thermosealed seams and flaps
- Recommended for trauma centers and sites concerned about exposure to blood and fluid-borne disease

Line	Qty	Catalog	
<b>17</b>	<b>1.00</b>	<b>E8016DC</b>	<b>Foot Slicker for CT Revolution</b>

The GEHC Revolution CT Foot Switch slicker is specifically designed to maximize contaminant protection. Latex free, it is strongly suggested that the slicker is cleaned with a water/bleach solution prior to every procedure.

Line	Qty	Catalog	
<b>18</b>	<b>1.00</b>	<b>E4502BE</b>	<b>CT Main Disconnect and UPS Control 380-480V 50 60Hz 125A</b>

Main Disconnect Panel (MDP) UL 125A 400/480V 50/60Hz 3 phases for CT, PET and PETCT

The (Main Disconnect and UPS Control Panel serves as the main facility power disconnect source installed ahead of the CT system PDU. On systems where the optional partial system UPS is included in the system, the panel provides NEC mandated UPS emergency power-off control function via a UPS control cable included with the UPS. The optimized design PDB saves time, installation labor, and valuable mounting space by consolidating the main circuit breaker, control power source and required warning lights into a compact factory manufactured panel. The panel provides short circuit protection, overload protection and National Electrical Code and Canadian Electrical Code required emergency shutdown for the system. The 24-volt low voltage controls all power, using either the panel cover mounted EMERGENCY OFF push button or the remote EMERGENCY OFF push button included with each system. The PDB is painted to match the imaging system for a total coordinated system appearance. Available in a combination surface/semi-flush mounted enclosure. The system provides stock availability of otherwise special-order devices, saving time and installation costs.

Benefits

- The System Main Disconnect saves time, installation labor, and valuable mounting space by consolidating the main circuit breaker, the feeder overcurrent devices, magnetic contactors and UPS emergency power-off into one compact panel
- The system provides stock availability of otherwise special-order devices, saving time and installation costs
- Reduces installation time and cost by eliminating delays in obtaining individually enclosed components and by eliminating on site assembly
- UPS emergency power-off functions are included for future, partial system UPS addition.
- Disconnects system power on first loss of incoming power, preventing damage to system components
- Provides a standardized platform for UPS or other future GE engineered modifications or upgrades
- Main power disconnect operating handle can be padlocked in the OFF position for servicing safety and OSHA lock out/tag out
- The door has provisions for padlocking
- Enclosure door is interlocked with ON / OFF disconnect handle to prevent unauthorized access if disconnect is in the ON position

#### Features

- Optional partial system UPS provides clean uninterrupted power to the system computer, maintaining system integrity during power loss while also providing a solution to power quality problems
- UL, cUL listed, and CE labeled
- Supplied with low voltage, cover mounted Push to Stop, Twist to Restore pushbutton and long-life LED pilot lights
- Provides overcurrent and short circuit protection with GE GuardEON solid-state circuit breakers
- Suitable for use on systems with 25,000A of short circuit current. It is the installer's responsibility to verify that the available short circuit current is 25,000A or less for compliance to all electrical codes
- Emergency-off disconnects power to both the PDU and optional partial system UPS output, per National Electric Code
- Factory wired and tested
- All devices are selected for high reliability and long life
- Panel disconnect provides OSHA lockout / tag out provisions

#### Remote EPO

- This MDP comes with two normally closed contact blocks attached to the back of the emergency off push button.

#### Seismic Specifications

- This Panel has been certified by an independent California structural engineer in conformance with the shake testing requirements of ICC-AC 156. The California OSHPD number is OSP-0457-10.
- The seismic performance characteristics are as follows:  $SDS(g) \leq 2.56$ ;  $z/h \leq 1.0$ ;  $I_p \leq 1.5$

#### Physical Characteristics

- Dimensions: Height x Width x Depth: 30 x 16 x 8 inches (762 x 407 x 203 mm)
- Handle depth: 2.75 inches (70 mm)
- Weight: 55 pounds (25 kg)

#### Components supplied with each panel

- The Main Disconnect and UPS Control Panel
- An Installation, Operations & Service Manual
- (2) sets of Emergency Power Off pushbuttons with 2NC on each EPO
- Drawings and Electrical Schematics

#### NOTES:

- Customer is responsible for arranging for installation with a qualified party
- ITEM IS NON-RETURNABLE AND NON-REFUNDABLE

Line	Qty	Catalog	
19	1.00	E8007PJ	OCS III Mounting Plate

Line	Qty	Catalog	
20	1.00	E80141JB	MEDRAD Stellant FLEX CT OCS (85cm medium post-standard length) with Certegra Workstation NO Informatics - includes installation and one year warranty

Dual injector head on Overhead Ceiling Counterpoise  
Syringe heat maintainer  
Certegra Workstation with USB drive  
DualFlow software  
ISI-ready software to accept ISI900G integrated injector option†  
Base control unit  
22.8 m (75 ft) head extension cable  
7.6m (25 ft) base to display cable  
Power cord



Injection Specifications Flow Rate (range & increments):  
 0.1–10 mL/sec in 0.1 mL Increments  
 Volume (range & increments):  
 1 mL to Syringe Capacity in 1 mL Increments  
 Programmable Pressure Limit (psi/kPa):  
 150 mL and 200 mL Syringe: Choice of 50/345, 100/689, 150/1034, 200/1379, 225/1551, 250/1724, 300/2068, 325/2241  
 Scan Reminders:  
 0–300 Seconds (5 minutes) in 1 Second Increments  
 Pause:  
 1–900 Seconds (15 minutes) in 1 Second Increments  
 Hold  
 Maximum HOLD Time is 20 Minutes  
 Syringes (Volume capacity)  
 150 mL or 200 mL Sterile Disposable Syringe  
 Maximum Number of Phases: 6

Line	Qty	Catalog	
<b>21</b>	<b>1.00</b>	<b>W0302CT</b>	<b>TIP CT Scanner 2 Training Program</b>

This training program is designed for customers purchasing a GEHC CT system to include Revolution, Frontier, or HD. GEHC will work with the designated Customer contact to agree upon a reasonable training schedule for a pre-defined group of core technologists that will leverage blended content delivery and may include a combination of onsite days and virtual offerings, to include TiP Virtual Assist, the GEHC Answerline and available on-demand courses ("Virtual Inclusions"). This blended curriculum with multiple delivery platforms promotes learner retention and allows for an efficient and effective skill development.

This program may contain:

- Onsite training (generally 20 days)
- Virtual Inclusions may include:
- Remote instructor-led training: Instructor leads a remote training session one-on-one or in a group, typically for 1 hour
- Answerline Support-Access to GEHC experts for clinical, non-emergency applications assistance via phone or by using the iLinq button on the imaging console
- Tip Virtual Assist-Direct interactive access to a GEHC expert for enhanced support.
- On Demand courses-On healthcare learning system. Self-paced courses and webinars (CE and non-CE).

Training will be delivered at a mutually agreed upon time between the customer and GE Healthcare (excluding GE Healthcare holidays and weekends), are subject to availability and generally will not exceed 25 days. This training program has a term of twelve (12) months commencing on Acceptance, where all onsite training must be scheduled and completed within twelve (12) months of Acceptance and all Virtual Inclusions also expire at the end of such twelve (12) month period. Additional onsite days may be available for purchase separately.

All GEHC "Training" terms and conditions apply. Given the unique nature of this program, if this program is purchased as part of a purchase under a Governing Agreement, including any Master Purchase Agreement, Group Purchasing Organization Agreement, or Strategic Alliance Agreement, this program shall take precedence over any conflicting training deliverables set forth therein.

Line	Qty	Catalog	
<b>22</b>	<b>1.00</b>	<b>R21013AC</b>	<b>Standard Service License</b>

GE Healthcare has reclassified its service tools, diagnostics and documentation into various classes (please refer to the Service Licensing Notification statement at the beginning of this Quotation). The Standard License provides access to service tools used to perform basic level service on the Equipment and is included at no charge for the warranty period.

Line	Qty	Catalog	
<b>23</b>	<b>1.00</b>	<b>Services-CE-Americas-Dosewatch CapEx</b>	

Line	Qty	Catalog	
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**24            1.00            M85101LU            Implementation Services ½ Day**

A dedicated GEHC Project Manager will be assigned to provide and oversee the configuration and installation of purchased analytics software on a server of defined specification and configuration of required interfaces or connections with other systems such as imaging equipment, RIS, PACS, etc. (if needed).

Customer will provide a project manager to work directly with the Project Manager in the installation and setup of the solution. The customer project manager will be responsible for the ongoing maintenance of the hardware and operating system that houses the software.

Professional Services will be defined by the specific Statement of Work (SOW). Examples of such services include:

- Understanding of the project architecture and the best workflow
- Installation and configuration of purchased software components
- Setup of the licensed systems in the system
- Setup of RIS and PACS connections in the system when needed
- Configure network communication between system and GE Imaging devices. Work with customer to develop a comprehensive list of equipment to be connected. This may include equipment not currently covered by GE service contract
- For non-GE equipment and/or equipment not currently covered by GE contract, the Project Manager will support the Customer Project Manager to determine technical details such as software rev, DICOM capability, etc. in order to determine compatibility with the system being implemented.

Please note, DICOM capability is sometimes a "for purchase" option on some equipment. The Customer may need to purchase such options if they wish to connect those systems to the solution.

- Set up initial web interface administrative access and configure user-defined application settings.

These implementations services excludes:

- Data migration services (unless specifically detailed in SOW)
- Configuration of interfaces on third-party systems such as RIS, PACS, EMR, etc..
- Setup of systems covered by an OEM or third-party service agreement
- Providing for and configuring the hardware/software platform for the system
- Customer provided software, such as network administration, backup and antivirus solutions
- Customer network and/or firewall configurations to ensure connections and bandwidth

**Total Quote Net Selling Price:            \$1,757,389.54**

If applicable, for more information on this devices' operating system, please visit GE HealthCare's product security portal at <https://securityupdate.gehealthcare.com/en/products>



## GPO Agreement Reference Information

Customer:	ECU Health Medical Center
Contract Number:	Premier
Billing Terms:	80% on Delivery / 20% on Acceptance
Payment Terms:	NET 45 DAYS
Shipping Terms	FOB Destination

Offer subject to the Terms and Conditions of the applicable Group Purchasing Agreements currently in effect between GE HealthCare and Premier

If applicable, for more information on this devices' operating system, please visit GE HealthCare's product security portal at:

<https://securityupdate.gehealthcare.com/en/products>

Please consult the following to access the applicable Agreements and Contract Summaries for the following Group Purchasing Organizations:

This product offering is made per the terms and conditions of Premier /GE Healthcare GPO Agreements as follows:

**Imaging:** Bone Densitometry:PP-IM-263, Cardiovascular Imaging:PP-IM-264, CT:PP-IM-265, General Radiography:PP-IM-266, Mammography:PP-IM-267, Molecular Imaging (Nuc/Pet):PP-IM-269, MRI:PP-IM-270, (Invasive Cardiology):PP-CA-477.

**Ultrasound:** PP-IM-271

**Premier:** Access the login page at <https://premierconnect.premierinc.com>. If a copy of the contract is not available, please consult your GPO Client Manager

**1. Definitions.** As identified in this Agreement, "Equipment" is hardware and embedded software that is licensed with the purchase of the hardware delivered to Customer in GE HealthCare's packaging and with its labeling; "Software" is software developed by GE HealthCare and/or delivered to Customer in GE HealthCare's packaging and with its labeling, and Documentation associated with the software; "Third Party Software" and "Third Party Equipment" are respectively software developed by a third party, and hardware and embedded software that is licensed with the purchase of the hardware, that is delivered to Customer in the third party's packaging and with its labeling (collectively, "Third Party Product"); "Product" is Equipment, Software and Third Party Product; "Services" are Product support or professional services; "Subscription" is a limited-term, non-transferable license to access and use a Product (except Healthcare Digital Products), including any associated support Services; "Healthcare Digital Products" are: (i) Software identified in the Quotation as "Centricity"; (ii) Third Party Software licensed for use in connection with Centricity Software; (iii) hardware used to operate Centricity or Third Party Software; (iv) Services provided for implementation, installation or support and maintenance of Centricity or Third Party Software licensed for use in connection with Centricity Software; and/or (v) any Product or Service that is identified in a Healthcare Digital Quotation. "Specifications" are GE HealthCare's written specifications and manuals as of the date the Equipment shipped; and "Documentation" is the online help functions, user instructions and manuals regarding the installation and operation of the Product as made available by GE HealthCare to Customer.

**2. Term and Termination.** Software licenses, Services and/or Subscriptions will have individual term lengths identified in the Quotation. If there is a material breach of this Agreement and/or the Quotation that is not cured by the breaching party within 60 days from receipt of written notice, the non-breaching party can terminate the respective Agreement or Quotation. Other than as set forth in this Agreement, neither party can unilaterally terminate this Agreement or a Quotation. Any remaining undisputed, unpaid fees become immediately due and payable on expiration or termination. Expiration or termination of this Agreement will have no effect on Quotations executed prior to the date of expiration or termination.

**3. Software License.** Other than as identified in a Quotation, GE HealthCare grants Customer a non-exclusive, non-transferable, non-sublicensable, perpetual license to use the Software for Customer's internal business purposes only in the United States consistent with the terms of this Agreement. Customer's independent contractors (except GE HealthCare competitors) may use the Software, but Customer is responsible for their compliance with this license, and additional license fees may apply. Customer cannot modify, reverse engineer, copy or create derivative works of the Software, except for making 1 backup copy, and cannot remove or modify labels or notices of proprietary rights of the Software or Documentation. If GE HealthCare provides Third Party Software, Customer will comply with third party license terms, and licensors are third-party beneficiaries of this Agreement.

#### **4. Commercial Logistics**

##### **4.1 Order Cancellation and Modifications.**

**4.1.1 Cancellation.** If Customer cancels an order prior to shipment without GE HealthCare's written consent, Customer will be responsible for all third-party expenses incurred by GE HealthCare prior to Customer's order cancellation and GE HealthCare may charge: (i) a fee of up to 10% of the Product price; and (ii) a fee for site evaluations performed prior to cancellation. GE HealthCare will retain, as a credit, payments received up to the amount of the cancellation charge. Customer must pay applicable progress payments (other than final payment) prior to final calibration, and GE HealthCare may delay calibration until those payments are received. If Customer does not schedule a delivery date within 6 months after order entry, GE HealthCare may cancel on written notice. This Section does not apply to Software or Subscriptions, Third Party Products and/or related professional or installation services; those orders are non-cancellable.

**4.1.2 Used Equipment.** Equipment identified as pre-owned, refurbished, remanufactured or demonstration Equipment is not new and may have received reconditioning to meet Specifications ("Used Equipment"). Sale of Used Equipment is subject to availability. If it is no longer available, GE HealthCare will attempt to identify other Used Equipment in its inventory that meets Customer's needs, and if substitute Used Equipment is not acceptable, GE HealthCare will cancel the order and refund any deposit Customer paid for the Used Equipment.

**4.2 Site Preparation.** Customer is responsible for network and site preparation, including costs, in compliance with GE HealthCare's written requirements and applicable laws. GE HealthCare may refuse to deliver or install if the site has not been properly prepared or there are other impediments.

**4.3 Transportation, Title and Risk of Loss.** Unless otherwise identified in the Quotation, shipping terms are FOB Destination. Title and risk of loss to Equipment and Third-Party Equipment passes to Customer on delivery to Customer's designated delivery location.



4.4 Delivery, Returns and Installation. Delivery dates are approximate. Products may be delivered in installments. GE HealthCare may invoice multiple installment deliveries on a consolidated basis, but this does not release Customer's obligation to pay for each installment delivery. Delivery occurs: (i) for Product, on electronic or physical delivery to Customer; and (ii) for Services, on performance.

Products cannot be returned for refund or credit if they match the Quotation.

Delivery and installations will be performed from 8am to 5pm local time, Monday-Friday, excluding GE HealthCare holidays, and outside those hours for an additional fee. Customer will: (i) install cable and assemble products not provided by GE HealthCare; (ii) enable connectivity and interoperability with products not provided by GE HealthCare; (iii) pay for construction and rigging costs; and (iv) obtain all licenses, permits and approvals for installation, use and disposal of Products. For upgrades and revisions to non-Healthcare Digital Products, Customer must return replaced components to GE HealthCare at no charge.

4.5 Information Technology Professional Services ("ITPS"). ITPS must be completed within 12 months of the later of the ITPS order date or Product delivery. If not done within this time period, other than because of GE HealthCare's failure to perform, ITPS performance obligations expire without refund. ITPS includes project management, HL7/HIS system integration, database conversion, network design and integration and separately cataloged software installations. This Section does not apply to Healthcare Digital Products.

#### 4.6 Acceptance.

4.6.1 Equipment Acceptance. Beginning on completion of installation (not to exceed 30 days from shipment) or delivery (if installation is not required), Customer will have 5 days to determine if the Equipment operates substantially in accordance with Specifications ("Equipment Test Period"). If the Equipment fails to perform accordingly, Customer will provide to GE HealthCare: (i) written notice; (ii) access to the Equipment; and (iii) a reasonable time to bring the Equipment into compliance. After correction by GE HealthCare, Customer will have the remainder of the Equipment Test Period or 3 days, whichever is greater, to continue testing. Equipment is accepted on the earlier of expiration of the Equipment Test Period or the date the Equipment is first used for non-acceptance testing purposes.

4.6.2 Software Acceptance. Beginning on completion of Software implementation, Customer will have 30 days to determine if the Software operates substantially in accordance with the Documentation ("Software Test Period"). If the Software fails to perform accordingly, Customer will provide to GE HealthCare: (i) written notice; (ii) access to the Software; and (iii) a reasonable time to bring the Software into compliance. After correction by GE HealthCare, Customer will have the remainder of the Software Test Period or 5 days, whichever is greater, to continue testing. Software is accepted on the first to occur of: (a) expiration of the Software Test Period; (b) the date Software is first used to process actual data; or (c) the "Go-Live Date" as defined in the Quotation.

4.6.3 Third Party Product Acceptance. Third Party Products are accepted 5 days after delivery.

4.6.4 Subscription Acceptance. Products provided pursuant to a Subscription are accepted 5 days after GE HealthCare provides Customer access to the Products.

4.7 Third Party Products and Services. If GE HealthCare provides Third Party Products and/or Services, then (i) GE HealthCare is acquiring them on Customer's behalf as its agent and not as a supplier; (ii) GE HealthCare provides no warranties or indemnification, express or implied; and (iii) Customer is responsible for all claims resulting from or related to their acquisition or use.

4.8 Mobile Equipment. GE HealthCare will assemble Equipment it has approved for mobile use at the vehicle location identified by Customer. Customer will comply with the vehicle manufacturer's planning requirements and arrange for delivery of the vehicle. Equipment placed in a mobile environment must be used for medical, billing, or other non-entertainment use by bona fide medical professionals authorized to use and prescribe such use. Customer will ensure Equipment that GE HealthCare has approved for mobile use is adequately installed in accordance with GE HealthCare's applicable installation instructions.

4.9 Audit. GE HealthCare may audit Customer's use of Software, Subscription and Healthcare Digital Products to verify Customer's compliance with this Agreement up to 12 months following termination or expiration of the applicable Quotation. Customer will provide reasonable assistance and unrestricted access to the information. Customer must pay underpaid or unpaid fees discovered during the audit, and GE HealthCare's reasonable audit costs, within 30 days of written notification of the amounts owed. If Customer does not pay, or the audit reveals that Customer is not in compliance, GE HealthCare may terminate Customer's Software license, Subscription or use of the Healthcare Digital Product.

4.10 Product Inflation. For GE HealthCare imaging Products only (to exclude ultrasound and life care solutions Products), due to the potential long cycle time from Product order to Product delivery, GE HealthCare may increase Product Total Quote Net Selling Price by an amount equal to the increase in the U.S. Bureau of Labor Statistics Consumer Price Index ("CPI") from the date of Product order to the date of notice prior to Product delivery, by providing at least 4 weeks prior notice from the requested delivery date.

## **5. Security Interest and Payment.**

5.1 **Security Interest.** Customer grants GE HealthCare a purchase money security interest in all Products in the Quotation until full payment is received, and Customer will perform all acts and execute all documents necessary to perfect GE HealthCare's security interest.

5.2 **Failure to Pay.** If, after Product delivery, Customer is more than 45 days past due on undisputed payments, GE HealthCare may, on 10 days' prior written notice, disable and/or remove the Products.

5.3 **Lease.** If Customer leases a Product, Customer continues to be responsible for payment obligations under this Agreement.

6. **Trade-In Equipment.** Trade-in equipment identified in a Quotation will be subject to separate trade-in terms and conditions.

7. **Subscriptions.** The following terms apply to all Subscriptions (excluding Healthcare Digital Products).

7.1 **Commencement.** Unless otherwise indicated in this Agreement or the Quotation, the Subscription commences on the date GE HealthCare provides Customer access to the Products.

7.2 **Renewal / Non-Renewal.** The Subscription term renews automatically for the same duration as the initial term of the Subscription unless otherwise identified in the Quotation. Except as otherwise identified in this Agreement or a Quotation, GE HealthCare may increase prices annually by no more than the Consumer Price Index for All Urban Consumers (U.S. City Average, December to December) plus 2%, upon 90 days' prior written notice. Subscriptions are not cancellable; however, either party may opt to not renew the Subscription after the initial Subscription term or any subsequent renewal term by providing at least 60 days' prior written notice to the other party prior to renewal.

7.3 **Subscription Equipment.** Title to Equipment and Third-Party Equipment provided via Subscription ("**Subscription Equipment**") remains with GE HealthCare. Customer will not place, or permit the placement of, liens, security interests, or other encumbrances on Subscription Equipment. Customer shall not repair or service Subscription Equipment, or allow others to do so, without the prior written consent of GE HealthCare.

7.4 **Support Services.** Unless otherwise noted in the Quotation, GE HealthCare will provide support Services as described in the Subscription Products and ViewPoint Software Maintenance Terms and Conditions.

7.5 **Upgrades.** Included in the Subscription fees if Customer does not owe any undisputed payments, GE HealthCare will provide upgrades if and when they become available and to the extent they are provided to all GE HealthCare customers with a Subscription for the Products, at mutually agreed upon delivery and installation dates. Upgrades do not include: (i) any optional or separately licensable features; (ii) any Products not covered by the Subscription; or (iii) any virtual environment required to host an upgraded Product. GE HealthCare shall have no obligation to provide upgrades if Products are not maintained within the current major release version or the immediately prior major release version.

7.6 **Access Controls.** Customer must: (i) ensure users maintain individually-assigned confidential user credentials and control mechanisms to access the Subscription; and (ii) take reasonable steps to prevent unauthorized access to Products.

7.7 **Post-Termination.** Upon termination or expiration of the Subscription: (i) Customer must immediately discontinue use of the Products and return Subscription Equipment to GE HealthCare in proper operating condition; (ii) Customer must destroy its copies of Software and Documentation; (iii) Customer must remove its data from Subscription Equipment; (iv) GE HealthCare is not responsible for and may destroy Customer-provided information, images or data; and (v) GE HealthCare will remove Customer's access.

7.8 **Professional Services.** For Services not covered under this Agreement or required due to Customer not meeting its responsibilities under the Agreement, applicable additional professional Services and fees will be required: (i) identified in the Quotation; and (ii) subject to GE HealthCare's then-current pricing.

## **8. General Terms.**

8.1 **Confidentiality.** Each party will treat this Agreement and the other party's proprietary information as confidential, meaning it will not use or disclose the information to third parties unless permitted in this Agreement or required by law. Customers are not prohibited from discussing patient safety issues in appropriate venues.

8.2 **Governing Law.** The law of the state where the Product is installed, Service is provided, or Subscription is accessed will govern this Agreement.

8.3 **Force Majeure.** Performance time for non-monetary obligations will be reasonably extended for delays beyond a party's control.



8.4. Assignment; Use of Subcontractors. Rights and obligations under this Agreement cannot be assigned without the other party's prior written consent, unless: (i) it is to an entity (except to a GE HealthCare competitor) that (a) is an affiliate or parent of the party or (b) acquires substantially all of the stock or assets of such party's applicable business, Product line, or Service thereof; and (ii) the assignee agrees in writing to be bound by this Agreement, including payment of outstanding fees. GE HealthCare may hire subcontractors to perform work under this Agreement but will remain responsible for its obligations.

8.5. Waiver; Survival. If any provision of this Agreement is not enforced, it is not a waiver of that provision or of a party's right to later enforce it. Terms in this Agreement related to intellectual property, compliance, data rights and terms that by their nature are intended to survive will survive the Agreement's expiration or termination.

8.6. Intellectual Property. GE HealthCare owns all rights to the intellectual property in GE HealthCare's Products, Services, Documentation, Specifications, and statements of work related to a Quotation or otherwise. Customer may provide GE HealthCare with feedback related to Products, Services, and related Documentation, and GE HealthCare may use it in an unrestricted manner.

## **9. Compliance.**

9.1. Generally. Each party will comply with applicable laws and regulations. Customer is only purchasing or licensing Products for its own medical, billing and/or non-entertainment use in the United States, or for the purposes of renting or leasing the Products for medical, billing and/or non-entertainment purposes through a mobile system or modular building where Customer maintains title to the Products. GE HealthCare will not deliver, install, service or train if it discovers Products have been or are intended to be used contrary to this Agreement. This Agreement is subject to GE HealthCare's ongoing credit review and approval. Customer is aware of its legal obligations for cost reporting, including 42 C.F.R. § 1001.952(g) and (h), and will request from GE HealthCare any information beyond the invoice needed to fulfill Customer's cost reporting obligations. GE HealthCare will provide safety-related updates for Equipment and Software required by applicable laws and regulations at no additional charge.

9.2. Security. GE HealthCare is not responsible for: (i) Customer's passwords or password management (ii) securing Customer's network; (iii) preventing unauthorized access to Customer's network or the Product; (iv) backup management; (v) data integrity; (vi) recovery of lost, corrupted or damaged data, images, software or equipment; (vii) third party operating systems, unless specifically provided in the Quotation; or (viii) providing or validating antivirus or related IT safeguards unless sold to Customer by GE HealthCare. NEITHER PARTY WILL BE LIABLE TO THE OTHER PARTY FOR DAMAGES CAUSED BY UNAUTHORIZED ACCESS TO THE NETWORK OR PRODUCTS REGARDLESS OF A PARTY'S COMPLIANT SECURITY MEASURES.

9.3. Environmental Health and Safety ("EHS"). GE HealthCare personnel may stop work without penalty due to safety concerns. Customer must: (i) comply with GE HealthCare's EHS requirements; (ii) provide a safe environment for GE HealthCare personnel; (iii) tell GE HealthCare about chemicals or hazardous materials that might come in contact with Products or GE HealthCare personnel; (iv) perform decommissioning or disposal at Customer facilities; (v) obtain and maintain necessary permits; (vi) thoroughly clean Products before Service; (vii) provide radioactive materials required for testing Products; and (viii) dispose of waste related to Products and installations.

9.4. Parts and Tubes. GE HealthCare: (i) recommends the use of parts it has validated for use with the Product; (ii) is not responsible for the quality of parts supplied by third parties to Customer; and (iii) cannot assure Product functionality or performance when non-validated parts are used. Certain Products are designed to recognize GE HealthCare-supplied tubes and report the presence of a non-GE HealthCare tube; GE HealthCare is not responsible for the use of, or effects from, non-GE HealthCare supplied tubes.

9.5. Training. GE HealthCare's training does not guarantee that: (i) Customer trainees are fully trained on Product use, maintenance or operation; or (ii) training will satisfy any licensure or accreditation. Customer must ensure its trainees are fully qualified in the use and operation of the Product. Unless otherwise identified in the training catalog, Customer will complete training within 12 months of: (a) the date of Product delivery for a Product purchase; (b) the respective start date for Services or Subscription for purchase of Service or Subscription; or (c) the date training is ordered for training-only purchases. If not completed within this time period, other than because of GE HealthCare's fault, training expires without refund. Training will be invoiced and payment due pursuant to the billing terms listed in the equipment Quotation. Recording of GE HealthCare training sessions is prohibited.

9.6. Medical Diagnosis and Treatment. All clinical and medical treatment, diagnostic and/or billing decisions are Customer's responsibility.



9.7. Connectivity. If a Product has remote access capability: (i) Customer will provide GE HealthCare with, and maintain, a GE HealthCare-validated remote access connection to service the Product; or (ii) GE HealthCare reserves the right to charge Customer for onsite support at GE HealthCare's then-current billing rate. This remote access and collection of machine data (e.g., temperature, helium level) will continue after the end of this Agreement unless Customer requests in writing that GE HealthCare disable it.

9.8. Use of Data.

9.8.1. Protected Health Information. If GE HealthCare creates, receives, maintains, transmits or otherwise has access to Protected Health Information (as defined in 45 C.F.R. § 160.103) ("PHI"), GE HealthCare may use and disclose the PHI only as permitted by law and by the Business Associate Agreement. Before returning any Product to GE HealthCare, Customer must ensure that all PHI stored in it is deleted.

9.8.2. Data Rights. GE HealthCare may collect, prepare derivatives from and otherwise use non-PHI data related to Products and/or Services for such things as training, demonstration, research, development, benchmarking, continuous improvement and facilitating the provision of its products, software and services. GE HealthCare will own all intellectual property and other rights that could result from this collection, preparation and use. The non-PHI data will not be used to identify Customer or sold by GE HealthCare without Customer's consent.

9.9. Customer Policies. GE HealthCare will use reasonable efforts to respect Customer-provided policies that apply to GE HealthCare and do not materially contradict GE HealthCare policies. Failure to respect Customer policies is not a material breach unless it is willful and adversely affects GE HealthCare's ability to perform its obligations.

9.10. Insurance. GE HealthCare will maintain coverage in accordance with its standard certificate of insurance.

9.11. Excluded Provider. To its knowledge, neither GE HealthCare nor its employees performing Services under this Agreement have been excluded from participation in a Federal Healthcare Program. If an employee performing Services under this Agreement is excluded, GE HealthCare will replace that employee within a reasonable time; if GE HealthCare is excluded, Customer may terminate this Agreement upon written notice to GE HealthCare.

## 10. **Disputes and Arbitration**

10.1. Binding Arbitration. Other than collection matters and actions seeking injunctive relief to prevent or cease a violation of intellectual property rights related to Products or Services, the parties agree to submit all disputes arising under or relating to this Agreement to the American Arbitration Association ("AAA") office closest to the largest metropolitan area of the location where the Product is installed or the Service is provided for binding arbitration conducted in accordance with AAA's then-current Commercial Arbitration Rules. Costs, including arbitrator fees and expenses, will be shared equally, and each party will bear its own attorneys' fees. The arbitrator will have authority to award damages only to the extent available under this Agreement. Nothing in this Section shall allow either party to arbitrate claims of any third-party not a party to this Agreement. The parties further agree to keep confidential: (i) the fact that any arbitration occurred, (ii) the results of any arbitration, (iii) all materials used, or created for use, in the arbitration, and (iv) all other documents produced by another party in the arbitration and not otherwise in the public domain.

## 11. **Liability and Indemnity**

11.1. Limitation of Liability. GE HEALTHCARE'S LIABILITY FOR DIRECT DAMAGES TO CUSTOMER UNDER THIS AGREEMENT WILL NOT EXCEED: (I) FOR PRODUCTS, THE PRICE FOR THE PRODUCT THAT IS THE BASIS FOR THE CLAIM; OR (II) FOR SERVICE OR SUBSCRIPTIONS, THE AMOUNT OF SERVICE OR SUBSCRIPTION FEES FOR THE 12 MONTHS PRECEDING THE ACTION THAT IS THE BASIS FOR THE CLAIM. THIS LIMITATION WILL NOT APPLY TO GE HEALTHCARE'S DUTIES TO INDEMNIFY CUSTOMER UNDER THIS AGREEMENT.

11.2. Exclusion of Damages. NEITHER PARTY WILL HAVE ANY OBLIGATION FOR: (I) CONSEQUENTIAL, PUNITIVE, INCIDENTAL, INDIRECT OR REPUTATIONAL DAMAGES; (II) PROFIT, DATA OR REVENUE LOSS; OR (III) CAPITAL, REPLACEMENT OR INCREASED OPERATING COSTS.

11.3. IP Indemnification. GE HealthCare will indemnify, defend and hold Customer harmless from third-party claims for infringement of United States intellectual property rights arising from Customer's use of the Equipment or Software in accordance with the Specifications, Documentation and license.

11.4. General Indemnification.

11.4.1. GE HealthCare will indemnify, defend and hold Customer harmless for losses which Customer becomes legally obligated to pay arising from third party claims brought against Customer for bodily injury or damage to real or tangible personal property to the extent the damage was caused by GE HealthCare's: (i) design or manufacturing defect; (ii) negligent failure to warn, negligent installation or negligent Services; or (iii) material breach of this Agreement.

11.4.2. Customer will indemnify, defend and hold GE HealthCare harmless for losses which GE HealthCare becomes legally obligated to pay arising from third party claims brought against GE HealthCare for bodily injury or damage to real or tangible personal property to the extent the damage was caused by Customer's: (i) medical diagnosis or treatment decisions; (ii) misuse or negligent use of the Product; (iii) improper storage of the Product; (iv) modification of the Product; or (v) material breach of this Agreement.

11.5. Indemnification Procedure. For all indemnities under this Agreement: (i) the indemnified party must give the other party written notice before claiming indemnification; (ii) the indemnifying party will control the defense; (iii) the indemnified party may retain counsel at its own expense; and (iv) the indemnifying party is not responsible for any settlement without its written consent.

## 12. Payment and Finance.

12.1. Late Payment. Customer must raise payment disputes before the payment due date. For any undisputed late payment, GE HealthCare may: (i) suspend performance under this Agreement until all past due amounts are paid; (ii) charge interest at a rate no more than the maximum rate permitted by applicable law; and (iii) use unapplied funds due to Customer to offset any of Customer's outstanding balance. If GE HealthCare suspends performance, any downtime will not be included in the calculation of any uptime commitment. If Customer fails to pay when due: (a) GE HealthCare may revoke its credit and designate Customer to be on credit hold; and (b) all subsequent shipments and Services must be paid in full on receipt.

12.2. Taxes. Prices do not include applicable taxes, which are Customer's responsibility.

12.3 Customer Payment Obligation. If installation or acceptance is delayed more than 90 days because of any reason for which Customer or its subcontractor is responsible, GE HealthCare will provide written notice and bill the remaining balance due on the order, and Customer must pay according to the payment terms listed on the Quotation.

13. **Notices**. Notices will be in writing and considered delivered when received if sent by certified mail, postage prepaid, return receipt requested, by overnight mail, or by fax. Notice to Customer will be directed to the address on this Agreement, and notice to GE HealthCare to General Counsel, 9900 W Innovation Dr., Wauwatosa, WI 53226.

14. **Imaging Equipment Uptime Commitment**. GE HealthCare will provide an uptime commitment during warranty for CT, MR, nuclear imaging, and x-ray Equipment, excluding peripherals ("Eligible Equipment") if Customer provides GE HealthCare with: (i) access to Eligible Equipment through a secure connection meeting Specifications and industry best practices; (ii) notice of changes that impact Customer's connection; and (iii) prompt and unencumbered access to Eligible Equipment. The "Uptime Commitment" for nuclear imaging and x-ray Eligible Equipment is 95%, except digital mammography, digital radiographic and vascular x-ray systems and all other Eligible Equipment is 97%. Other Products may be eligible for an uptime commitment if identified in the Quotation.

If GE HealthCare fails to meet the Uptime Commitment over a 26-week period, it will extend the warranty as follows:

<u>% Less than Uptime Commitment</u>	<u>Warranty Extension</u>
0.1 - 3.0	1 week
3.1 - 8.0	2 weeks
8.1 - 13.0	4 weeks
> 13.0	6 weeks

Uptime is calculated as follows:

$$\left( \frac{\text{Uptime Base} - \text{Downtime}}{\text{Uptime Base}} \right)$$

"Uptime Base" = ("a" hours per day X "b" days per week X 26 weeks) - (Planned Maintenance ("PM") hours during prior 26 weeks), where "a" hours per day and "b" days per week are determined by the standard warranty for Eligible Equipment. "Downtime" is the number of hours during which Eligible Equipment is subject to a Critical Malfunction. Downtime starts when Customer notifies GE HealthCare that Eligible Equipment is inoperable and unavailable for use due to GE HealthCare's design, manufacturing, material or performance failure ("Critical



Malfunction”). Downtime ends when Eligible Equipment is available for clinical use. To be eligible for the Uptime Commitment, Customer must maintain a performance log that includes data required to calculate Downtime.

15. **DoseWatch Device License.** Each connection of a Device (defined below) to the DoseWatch Software requires Customer to purchase a unique Device license referencing a Device ID that allows concurrent use of the DoseWatch Software with that Device at a specified Customer facility on Customer’s secured network. All other terms, duration and warranties applicable to the Software license apply to the Device license. “Device” is specific Customer equipment approved by GE HealthCare to be connected to DoseWatch Software under this Agreement. Additional Device connections may be added to this Agreement, subject to individual Device licenses, and related installation, implementation, configuration and optimization services at GE HealthCare’s then-current rates.

16. **Subscription Products and ViewPoint Software Maintenance Terms and Conditions.**

16.1 Overview. GE HealthCare will, in accordance with the terms and conditions of this section, maintain, support and update: (i) Products provided via Subscription (excluding Healthcare Digital Products); and (ii) ViewPoint Software licensed by Customer (“ViewPoint Software”) and HIS interface software installed in the United States covered by a Software Maintenance Agreement (“SMA”).

16.2 Scope.

**16.2.1 Software Support and Maintenance.** GE HealthCare will use reasonable efforts to provide Error Correction (defined below) for verifiable and reproducible Errors (defined below) within a reasonable time after: (a) Customer reports the Error to GE HealthCare; or (b) detection by GE HealthCare. Updates (defined below), if released, will be provided at no additional cost as a part of this maintenance commitment. New functionality must be purchased separately, unless otherwise agreed.

**16.2.2 Equipment Maintenance.** Preventative maintenance service may be required periodically during normal business hours of 8:00 a.m. to 5:00 p.m. (local time) on mutually agreed dates. Customer will make the Equipment available for preventative maintenance upon GE HealthCare request. Additional services to be performed, including specific additional terms thereof, shall be specified in the Quotation or alternate schedules.

**16.2.3 Definitions.** “Error” means any Software-related problem that: (i) materially interferes with Customer’s use of the Software; and (ii) results from a failure of the Software to materially conform to the Documentation. “Error Correction” means: (a) modification of the Software that corrects an Error by bringing the Software into material conformity with the Documentation; or (b) a procedure that avoids the material adverse effect of the nonconformity. “Update” means a change that provides Error Corrections and/or enhances functionality of the Software version licensed by Customer. An Update does not involve major changes or provide significant, new functionality or applications, or changes to the software architecture or file structure. Updates retain the same license as the original Software.

**16.2.4 Hotline Support.** GE HealthCare will provide phone and email support during standard business hours, excluding GE HealthCare holidays, for problem solving, Error resolution and general help.

**16.2.5 Remote Access Support.** GE HealthCare may access Software remotely via Customer’s network and GE HealthCare-supplied secure tunnelling software to monitor Software parameters to help prevent and detect Errors. Customer will reasonably cooperate with GE HealthCare to establish remote connections. Certain modules require remote access in order to obtain support.

**16.2.6 Warranty.** GE HealthCare warrants that its Services will be performed by trained individuals in a professional, workman-like manner. GE HealthCare will re-perform non-conforming Services as long as Customer provides prompt written notice to GE HealthCare. NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL APPLY. SERVICE MANUALS AND DOCUMENTATION ARE PROVIDED “AS IS”. GE HEALTHCARE DOES NOT GUARANTEE PRODUCTS WILL OPERATE WITHOUT ERROR OR INTERRUPTION.

**16.2.7 Exclusions.** GE HealthCare has no obligation to Customer for: (i) use of Products in combination with software, hardware, or services not recommended in writing by GE HealthCare; (ii) use in a manner or environment for which GE HealthCare did not design or license the Products, or in violation of GE HealthCare’s recommendations or instructions; (iii) interface configuration (often referred to as HIS, PACS or EMR interfaces necessary due to changing vendors or versions); (iv) reorganization of Customer data; (v) consulting or software engineering and programming; (vi) support of Products outside the scope of the foregoing maintenance commitments; (vii) failure to use or install, or permit GE HealthCare to use or install, Error Corrections or Updates; (viii) failure to maintain Products within the current major release version or the immediately prior major release version; (ix) defects in products or services not made and provided by GE HealthCare; (x) any cause external to the Products or beyond GE HealthCare’s control; (xi) failure of Customer’s network; (xii) replacement of disposable or consumable items; (xiii) additional equipment or upgrades in connection with Products; and (xiv) migration of Software to different hardware or operating systems.

**16.2.8 Software Maintenance Agreement Term.** The following applies to ViewPoint software and HIS interface software only: The SMA term and start date is identified in the Quotation and its related Schedule A. Either party may terminate the SMA without cause after the first anniversary by providing at least 90 days' prior written notice to the other party. SMA payments are due within 30 days after date of GE HealthCare's invoice.



**1. Warranty.**

1.1. **Equipment.** For non-customized Equipment purchased from GE HealthCare or its authorized distributors, unless otherwise identified in the Quotation, GE HealthCare warrants that Equipment will be free from defects in title, and, for 1 year from Equipment Acceptance, it will: (i) be free from defects in material and workmanship under normal use and service; and (ii) perform substantially in accordance with the Specifications. The warranty covers parts and labor and only applies to end-users that purchase Equipment from GE HealthCare or its authorized distributors.

1.2. **Software.** For Software licensed from GE HealthCare, GE HealthCare warrants that: (i) it has the right to license or sublicense Software to Customer; (ii) it has not inserted Disabling Code into Software; (iii) it will use efforts consistent with industry standards to remove viruses from Software before delivery; and (iv) unless otherwise identified in the Quotation, for 90 days from Software Acceptance, Software will perform substantially in accordance with the Documentation. “Disabling Code” is code designed to interfere with the normal operation of Software, but code that prohibits use outside of the license scope is not Disabling Code.

1.3. **Services.** GE HealthCare warrants that its Service will be performed by trained individuals in a professional, workman-like manner.

1.4. **Used Equipment.** Certain Used Equipment is provided with GE HealthCare’s standard warranty for the duration identified in the Quotation, but in no event more than 1 year. If no warranty is identified, the Used Equipment is provided “AS IS” and is not warranted by GE HealthCare.

1.5. **Accessories and Supplies.** Warranties for accessories and supplies are at [www.gehealthcare.com/accessories](http://www.gehealthcare.com/accessories).

1.6. **Third Party Product.** Third Party Product is covered by the third party’s warranty and not GE HealthCare’s warranties.

1.7. **Subscription Products.** Unless otherwise specified, Products provided via Subscription do not include a warranty.

1.8. **SaaS Offerings.** Unless otherwise specified, SaaS Offerings do not include a warranty.

**2. Remedies.** If Customer promptly notifies GE HealthCare of its claim during the warranty and makes the Product available, GE HealthCare will: (i) at its option, repair, adjust or replace the non-conforming Equipment or components; (ii) at its option, correct the non-conformity or replace the Software; and/or (iii) re-perform non-conforming Service. Warranty service will be performed from 8am to 5pm local time, Monday-Friday, excluding GE HealthCare holidays, and outside those hours at GE HealthCare’s then-current service rates and subject to personnel availability. GE HealthCare may require warranty repairs to be performed via a secure, remote connection or at an authorized service center. If GE HealthCare replaces Equipment or a component, the original becomes GE HealthCare property and Customer will return the original to GE HealthCare within 5 days after the replacement is provided to Customer. Customer cannot stockpile replacement parts. Prior to returning Equipment to GE HealthCare, Customer will: (a) obtain a return to manufacturer authorization; and (b) back up and remove all information stored on the Equipment (stored data may be removed during repair). Customer is responsible for damage during shipment to GE HealthCare. The warranty for a Product or component provided to correct a warranty failure is the unexpired term of the warranty for the repaired or replaced Product.

GE HealthCare may provide a loaner unit during extended periods of Product service or for GE HealthCare Product training purposes. If a loaner unit is provided: (i) it is for Customer’s temporary use at the location identified in the Quotation; (ii) it will be returned to GE HealthCare within 5 days after the Product is returned to Customer, and if it is not, GE HealthCare may repossess it or invoice Customer for its full list price; (iii) it, and all programs and information pertaining to it, remain GE HealthCare property; (iv) risk of loss is with Customer during its possession; (v) Customer will maintain and return it in proper condition, normal wear and tear excepted, in accordance with GE HealthCare’s instructions; (vi) it will not be repaired except by GE HealthCare; (vii) GE HealthCare will be given reasonable access to it; (viii) Customer is not paying for its use, and Customer will ensure charges or claims submitted to a government healthcare program or patient are submitted accordingly; and (ix) prior to returning it to GE HealthCare, Customer will delete all information, including PHI, from it and its accessories, in compliance with industry standards and instructions provided by GE HealthCare.

NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL APPLY. SERVICE MANUALS AND DOCUMENTATION ARE PROVIDED “AS IS”. GE HEALTHCARE DOES NOT GUARANTEE PRODUCTS WILL OPERATE WITHOUT ERROR OR INTERRUPTION.

**3. Limitations.** GE HealthCare has no obligation to Customer for warranty claims if Customer uses the Product: (a) for non-medical or entertainment use or outside the United States; (b) in combination with software, hardware, or services not recommended in writing by GE HealthCare; and (c) in a manner or environment for which GE HealthCare did not design or license it, or in violation of GE HealthCare’s recommendations or instructions. GE HealthCare has no obligation to Customer for warranty claims for damages or deficiencies outside GE HealthCare’s reasonable control.

In addition, these warranties do not cover: (i) defects or deficiencies from improper storage or handling, maintenance or use that does not conform to Specifications and/or Documentation, inadequate backup or virus protection, cyber-attacks, failure to maintain power quality, grounding, temperature, and humidity within Specifications and/or Documentation, or other misuse or abuse; (ii) repairs due to power anomalies or any cause external to the Products or beyond GE HealthCare’s control; (iii) payment or reimbursement of facility costs arising from repair or replacement of the Products or parts; (iv) planned maintenance (unless applicable to Equipment), adjustment, alignment, or



calibration; (v) network and antenna installations not performed by GE HealthCare or its subcontractors; (vi) lost or stolen Products; (vii) Products with serial numbers altered, defaced or removed; (viii) modification of Product not approved in writing by GE HealthCare (ix) Products immersed in liquid; (x) for Mobile Equipment, defects or deficiencies from mobile use outside of normal transportation wear and tear (excluding OEC regarding transportation wear and tear) and (xi) replacement of disposable or consumable items.

#### **4. Exceptions to Standard Warranty.**

**Partial System Equipment Upgrades for CT, MR, X-Ray, IGS, PET (Scanners, Cyclotrons and Chemistry Labs) and Nuclear systems:** 6 months (only applies to the upgraded components unless the parties otherwise agree to modify the coverage of the upgraded and existing components in an existing service agreement. Optima XR240amx partial upgrades are warranted for 1 year on the wireless detector. This exception does not apply to the Artist Evo 1.5T and Premier Evo 3T upgrades which will have a full system one year warranty.

**Cyclotron and Radiopharmacy:** Warranty starts on the earlier of (i) 3 months after the date GE HealthCare completes mechanical installation, or (ii) the date Product testing is successfully completed

**MR Systems:** Warranty does not cover: (i) a defect or deficiency from failure of water chillers supplied or serviced by Customer, and (ii) for MR systems with LHe/LN or shield cooler configured superconducting magnets (except for MR Systems with LCC magnets), any cryogen supply, cryogenic service or service to the magnet, cryostat, coldhead, shield cooler compressor or shim coils unless the need for supply or service is caused by a defect in material or workmanship covered by this warranty.

**Proteus XR/a, Definium and Precision 500D X-Ray Systems:** Warranty does not cover collimator bulbs

**Performix 160A (MX160) Tubes:** 3 years

**X-Ray High Voltage Rectifiers and TV Camera Pick-Up Tubes:** 6 months

**X-Ray Wireless Digital Detectors:** In addition to the standard warranty, GE HealthCare will provide coverage for detector damage due to accidental dropping or mishandling. If accidental damage occurs, GE HealthCare will provide Customer with 1 replacement detector during warranty at no additional charge. If subsequent accidental damage occurs during warranty, each additional replacement will be provided for \$30,000 per replacement. This additional coverage excludes damage caused by any use that does not conform to original equipment manufacturer ("OEM") guidelines, use that causes fluid invasion, holes, deep scratches or the detector case to crack, and damage caused by abuse, theft, loss, fire, power failures or surges. If the warranty is voided by these conditions, repair or replacement is Customer's responsibility.

**Bone Mineral Densitometry:** Alpha Source, Inc. will perform installation, application support and warranty services. Direct warranty claims to Alpha Source, Inc. at 1-800-654-9845. Upgraded computer, printer and monitor components include a 1 month warranty. Customer will not be credited the value of this warranty against pre-existing warranties or service agreements.

**OEC New or Exchange Service Parts:** 120 days

**OEC Tubes and Image Intensifiers:** 1 year

**HealthNet Lan, Advantage Review — Remote Products:** 3 months

**LOGIQ e, Venue 50, Venue Go, Versana Active and related transducers purchased with them:** 5 years

**LOGIQ V1, LOGIQ V2, Vivid iq, Vscan and Vscan Extend and related transducers purchased with them:** 3 years

Except the following have a 1 year warranty:

Transducers: TEE Probes,

Carts: Venue 50 Docking Cart, Venue Go Cart, Venue Go mounting cradle, LOGIQ e Isolation Cart, LOGIQ e Docking Cart, LOGIQ V1/V2 Cart and Vivid IQ cart

Other Accessories: Batteries (internal & external), and printers and peripherals, TEE cleaning & storage system, ICECord Connector and printers

Warranty covers defective parts and components and includes: (i) repair at GE HealthCare facilities, (ii) a loaner unit or probe replacement shipped for next business day delivery for requests received by 3pm Central Time, (iii) phone support from 7am to 7pm Central Time, Monday-Friday, excluding GE HealthCare holidays. For an additional charge, GE HealthCare may provide field support/service, planned maintenance, and/or coverage for damage due to accidental dropping or mishandling.

**LOGIQ P9 R2.5 and newer and, Versana Premier, Versana Balance, Venue and related transducers purchased with them:** 5 years

**Voluson P8 BT18 and newer, Voluson SWIFT, Voluson S8 Touch and Voluson S10 Expert, LOGIQ F8 2016 and newer, LOGIQ V5, Vivid T8 and Vivid T9 and related transducers purchased with them:** 3 years

Except the following have a 1 year warranty:

Other Accessories: Batteries (internal & external) and printers and peripherals, TEE cleaning & storage system

Transducers: TEE Probes

Warranty Includes: (i) repair at Product location by a qualified service technician Monday-Friday 8am to 5pm local time, excluding GE HealthCare holidays, and (ii) phone support from 7am to 7pm Central Time, Monday-Friday, excluding GE HealthCare holidays. For an additional charge, GE HealthCare may provide planned maintenance and/or coverage for damage due to accidental dropping or mishandling.

**Ultrasound Partial System Equipment Upgrades:** 3 months (only applies to the upgraded components). Customer will not be credited the value of the warranty against pre-existing warranties or service agreements.

**Veterinary Use:** Notwithstanding anything herein, any Product validated and sold by GE HealthCare for specific use in the veterinary market shall have a one (1) year warranty.

**Batteries:** 3 months, except for x-ray nickel cadmium or lead acid batteries and ultrasound batteries, which are warranted for 1 year

**CARESCAPE Monitors B450, B650 and B850** 3 years parts, 1 year labor (excluding displays, which are standard 1 year parts and labor)

**CARESCAPE ONE :** 3 year parts, 1 year labor (excluding displays, which are standard 1 year parts and labor)

**Micromodules:** 3 year parts, 1 year labor (i) repair services performed at GE HealthCare Repair Operations Center

**B40 Monitors:** 2 years parts, 1 year labor (excluding displays, which are standard)

**B105 B125, and B155 Patient Monitors:** 3 years with: (i) repair services performed at GE HealthCare Repair Operations Center, (ii) phone support from 7am to 5pm Central Time, Monday-Friday, excluding GE HealthCare holidays; and (iii) a loaner Product (subject to availability; shipping charges included).

**Novii Wireless Patch System- Interface and Pods:** 1 year starting 40 days after shipment with: (i) exchange services performed at GE HealthCare Repair Operations Center; and (ii) phone support from 7am to 5pm Central Time, Monday-Friday, excluding GE HealthCare holidays. Customer may elect to purchase coverage for Pod damage due to accidental dropping or mishandling. This coverage excludes patches and cables, which are considered Product accessories, and are warranted pursuant to Section 1.5 above.

**MAC 5, MAC 7, MAC 2000 and MAC 3500:** 3 years (i) repair services performed at GE HealthCare Repair Operations Center, (ii) phone support from 7am to 5pm Central Time, Monday-Friday, excluding GE HealthCare holidays

**CARESCAPE V100 and VC150 Vital Signs Monitors:** 2 years

**SEER 1000:** 2 years (i) repair services performed at GE HealthCare Repair Operations Center, (ii) phone support from 7am to 5pm Central Time, Monday-Friday, excluding GE HealthCare holidays

**Exergen:** 4 years

**Microenvironment and Phototherapy consumable components:** 1 month

**Corometrics® Fetal Monitoring:** Warranty includes: (i) warranty starting on the earlier of (a) if GE HealthCare or Customer installs, 5 days after installation or (b) 40 days after shipment; and (ii) 2 years parts, 1 year labor

**Corometrics® Nautilus Transducers:** 2 years

**Lullaby Phototherapy System:** 3 years on lamp assembly

**Blood pressure cuffs and related adaptors and air hoses:** 1 month

**Anesthesia Monitor Mounting Solutions:** If purchased directly from GE HealthCare, it will be warranted as a GE HealthCare Product

**Tec 850 Vaporizers:** 3 years

**Tec 6 Plus Vaporizers:** 2 years

**CARESCAPE Gateway:** 1 year

**CARESCAPE Bridge:** 1 year

**Vscan Air and Vscan Air Vet Warranty:** 3 years with the exception of the battery and peripherals which are covered for 1 year. Warranty covers defective parts and components and includes: (i) a replacement unit, and (ii) phone support from 7am to 7pm Central Time, Monday-Friday, excluding GE HealthCare holidays. For an additional charge, GE HealthCare may provide additional battery and/or coverage for damage due to accidental dropping or mishandling

# **Appendix D**

## **Equipment Brochure**





# Revolution™ Apex platform

Lead CT now and into the future





# Lead CT now and into the future

Today's healthcare professionals are facing increasing pressure to serve communities with rapidly growing patient volumes and more complex imaging needs. The challenge is to create high-quality images while managing a heavy patient load. Furthermore, these clinical pressures require new CT systems equipped to meet a broadening range of diagnostic needs.

In an environment where the pace of innovation in technology is only getting faster, the financial and operational barriers to stay at the leading edge are more prevalent than ever. We recognized the need to deliver CT technology that not only improves productivity and diagnostic confidence right now, but also provides the assurance of powerful built-in adaptability.

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**What today's radiology departments need is a cutting-edge platform with unprecedented clinical capabilities that will make you ready for every future.**

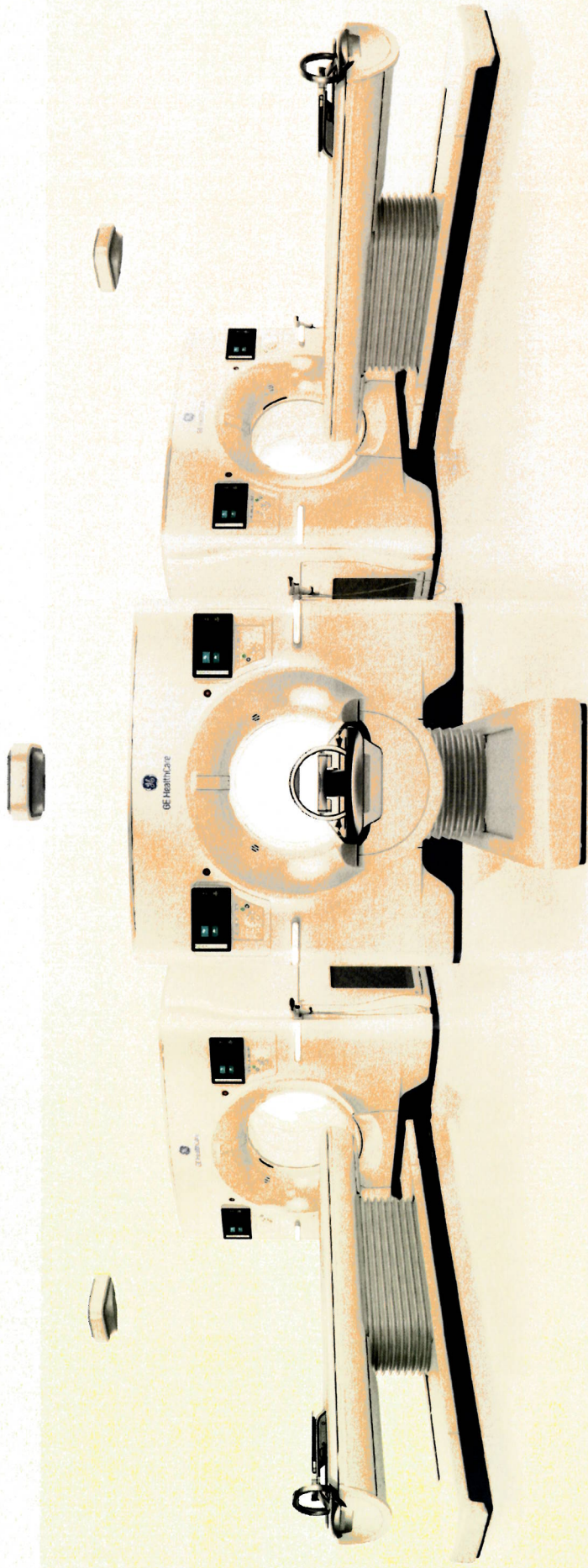
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*When you think of equipment here at our hospital, we anticipate that we will keep our CT systems for 10 years. Now, of course, a CT system is new. Over the years, it's no longer the high-end system it was before. How can we make sure that during the lifespan of the system, there can be some improvements?”*

Alain Luciani, M.D., Ph.D., Professor of Radiology,  
University Hospital Henri Mondor, France







“ By having the Revolution Apex platform, we made the choice for a platform that led us to have that smooth evolution in technology, not by taking two big steps, but still staying at the edge.”

Johan de Mey, M.D., Ph.D., Chair of Radiology,  
University Hospital Brussels, Belgium





Platform

# From here, anything is possible

## Introducing the Revolution Apex platform

The Revolution™ Apex platform is our answer to your challenges. It is an all-new CT platform that offers the best of modern CT technology to provide versatile and unprecedented clinical solutions for your most challenging patients. The advanced technology at the core of the Revolution Apex platform includes a scalable detector, the most powerful X-ray tube, next-generation spectral imaging, the industry's fastest rotation speed, breakthrough image quality and Effortless Workflow.

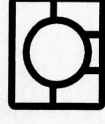
The Revolution Apex platform was created with a “future-ready” design philosophy, which lays the foundation of our entire portfolio of Revolution Apex platform systems. All of which are designed with built-in scalability, so you can be **ready for every future**. With the choice of 40 mm, 80 mm or 160 mm of coverage, you can decide which system is right for you today and easily upgrade to more capability when you need it.



Exceptional technology in every dimension of the CT imaging chain



Unprecedented clinical solutions across a wide range of care areas



Future-ready platform ensures quick access to the next generation of CT innovation





Technology

# The capability of tomorrow's CT platform



## Best-in-class technology

To create a high-performance system today that is ready for the future, the Revolution Apex platform was designed with a “future-ready” philosophy and equipped with the best available technologies for every component of the imaging chain. We started with the Clarity Detector.

We paired that with the incredible power of our Quantix™ X-ray Tube for wide coverage as well as the fastest gantry speed in the industry and next-generation spectral imaging. No matter which Revolution Apex platform system you choose, you'll experience the benefits of this state-of-the-art hardware.

### Scalable Clarity Detector Built-in flexibility

Modular detector design with three different configurations for easy on-site upgrades from 40 mm up to 160 mm.

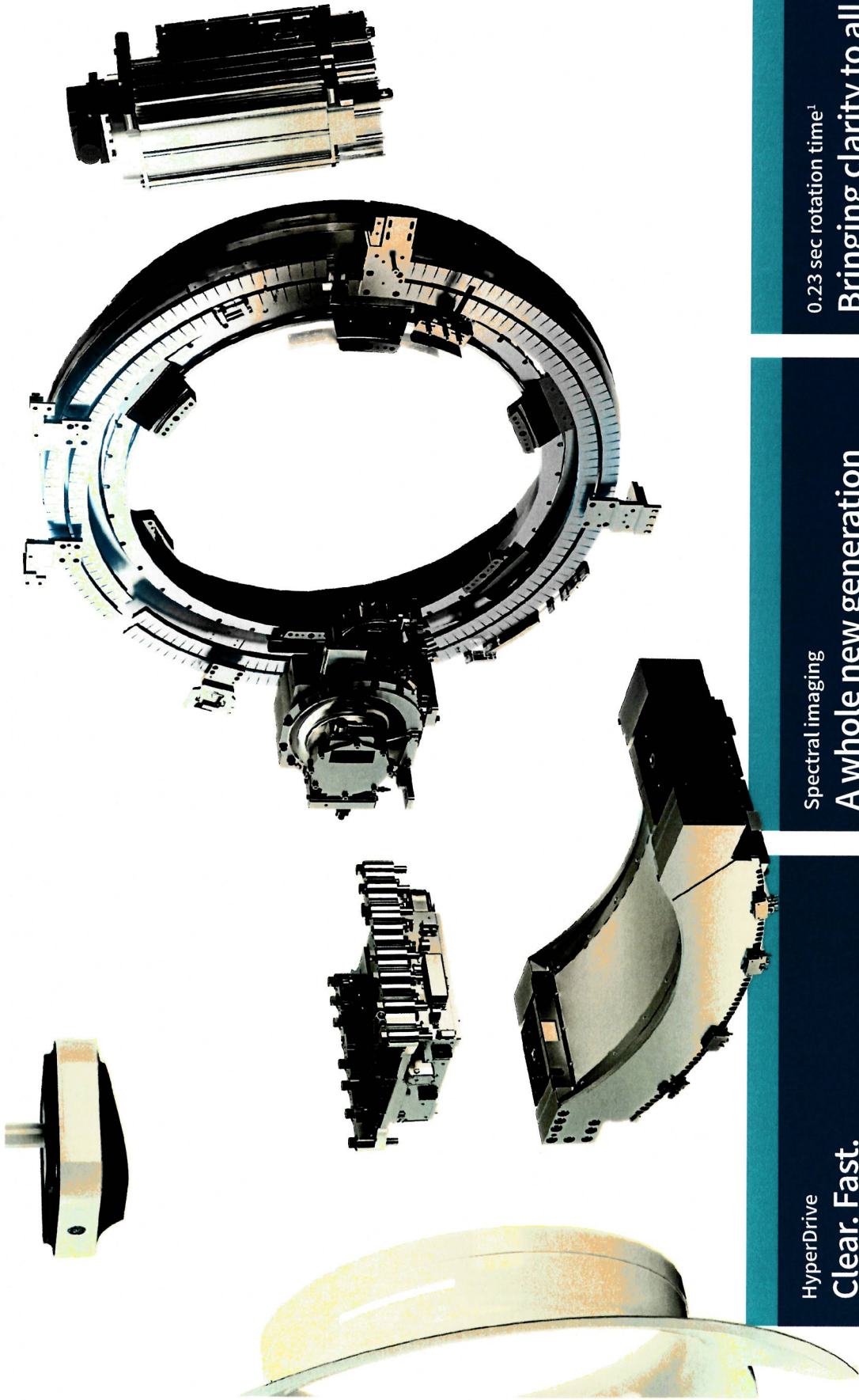
### Quantix X-ray tube Power like never before

With the ability to deliver 1300 mA of flux output in a 108 kW package, this is the most powerful CT X-ray tube ever made.

### TrueFidelity DL

## Futuristic image quality

Our image reconstruction technology uses a dedicated Deep Neural Network to generate high-definition, low-noise CT images. TrueFidelity DL is fully integrated with both single-energy and spectral imaging, so it produces exceptional images, even with low dose.



#### HyperDrive

**Clear. Fast.  
Complete field of view.**

HyperDrive provides up to 437.5 mm/s volumetric scanning reconstructed to a maximum 50 cm field-of-view (FOV).

#### Spectral imaging

**A whole new generation  
of spectral imaging**

Ultra-fast, kV/mA synchronized switching with integrated TrueFidelity DL enables almost perfectly registered volumetric dual-energy CT data and exquisite image quality for all patient sizes.

#### 0.23 sec rotation time<sup>1</sup>

**Bringing clarity to all  
cardiac cases**

The industry's fastest rotation speed reaches new heights in speed, image quality and dose with TrueFidelity DL and SnapShot Freeze 2 for an effective temporal resolution of 19.5 msec.<sup>2</sup>

<sup>1</sup> Available on Revolution Apex Elite and Revolution Apex Plus.

<sup>2</sup> Effective temporal resolution achieved by a 6x improvement of motion-blur reduction while maintaining high spatial resolution as demonstrated in cardiac phantom testing. The reduction in motion artifacts is comparable to a 0.039 Equivalent Gantry Rotation Speed with effective temporal resolution of 19.5 msec, as demonstrated in mechanical and mathematical phantom testing. This is the experience of a single facility and may not be generalizable or reproducible.

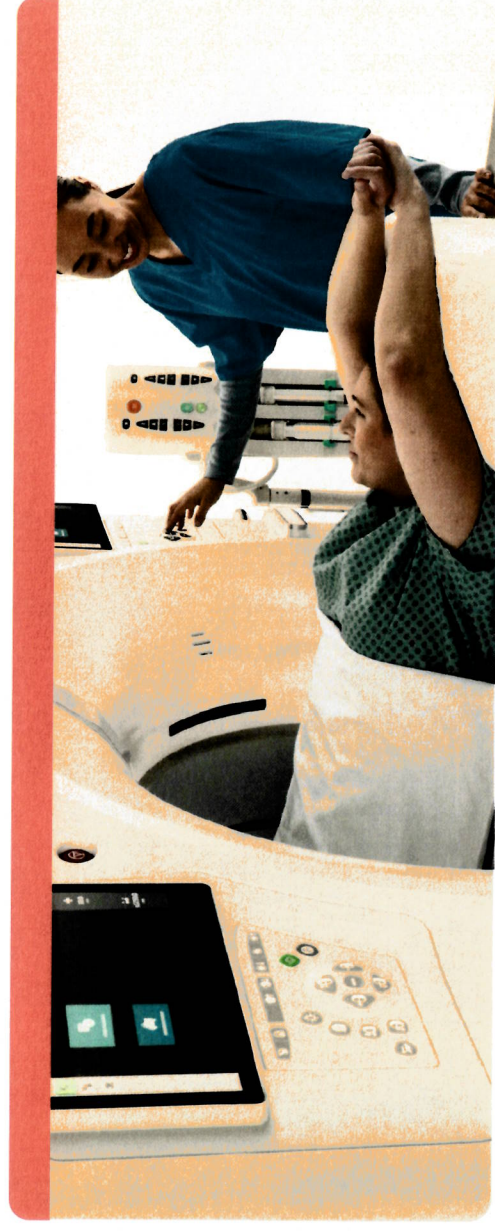
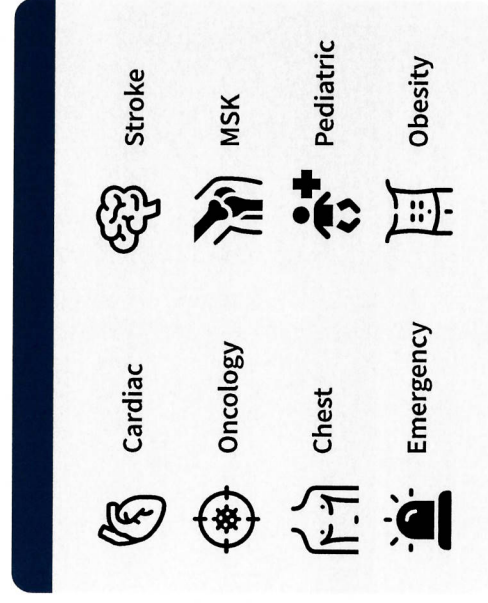


# Be ready for anything and anyone

## Unprecedented clinical solutions

Today's radiology departments have to be ready for everything. Patient volumes continue to grow, cases are growing in complexity and rapid advancements in disease management keep pushing you to expand your imaging service lines.

The Revolution Apex platform is designed to provide unparalleled image quality, low dose and exceptional clinical solutions for both routine and challenging cases in all care areas for every patient.

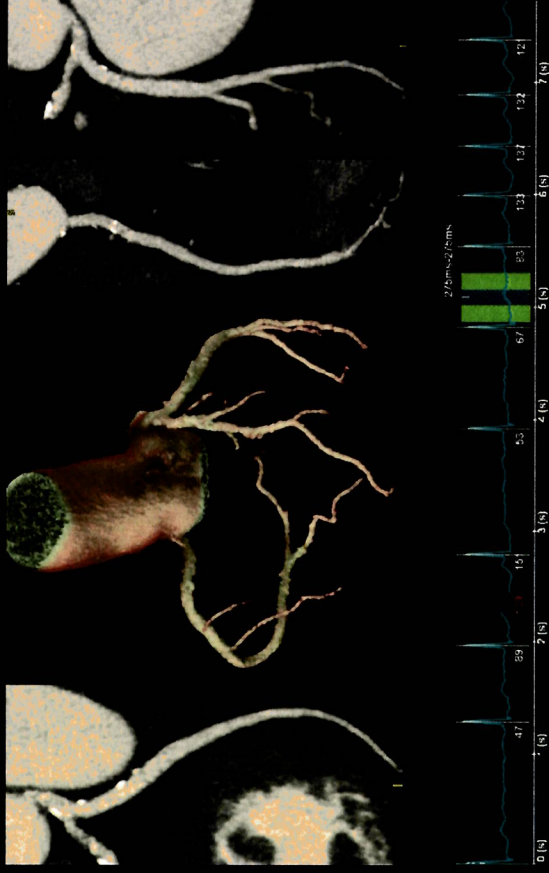






## Cardiac

One-beat cardiac. Simple for all at any heart rate and rhythm, with low radiation dose.



Scan type	Axial 1-beat cardiac
Rotation time	0.23 s
BPM	47-151
BMI	20
kV	100 kV
mA	330
Slice, mm	0.625
Reconstruction	TrueFidelity DL
Kernel	HD Standard
CTDIvol, mGy	7.88
DLP, mGy-cm	126
Eff. dose, mSv	1.7
k, *DLP	0.014

A 160 mm detector means coverage is no issue for whole-heart acquisition, making 1-beat cardiac at any heart rate a reality. Tools like AutoGating, SmartPhase, Smart Arrhythmia Management as well as SnapShot Freeze 2 streamline and boost post-processing that may help with faster and more precise diagnosis.

Nearly one-third of deaths worldwide are caused by cardiovascular disease. CT plays an more important role with the increase in referrals for cardiac CT procedures. Along with an increase in referrals comes an increase in the complexity of patient cases.

The Revolution Apex Elite is able to achieve unlimited 1-beat cardiac with 0.23s rotation speeds at a 19.5 ms temporal resolution.<sup>2</sup> It can complete high-quality CCTA exams in only one heart cycle at any heart rate.

The Revolution Apex Elite delivers motion-free CCTA images with high diagnostic quality, low radiation dose and iodine contrast volume.

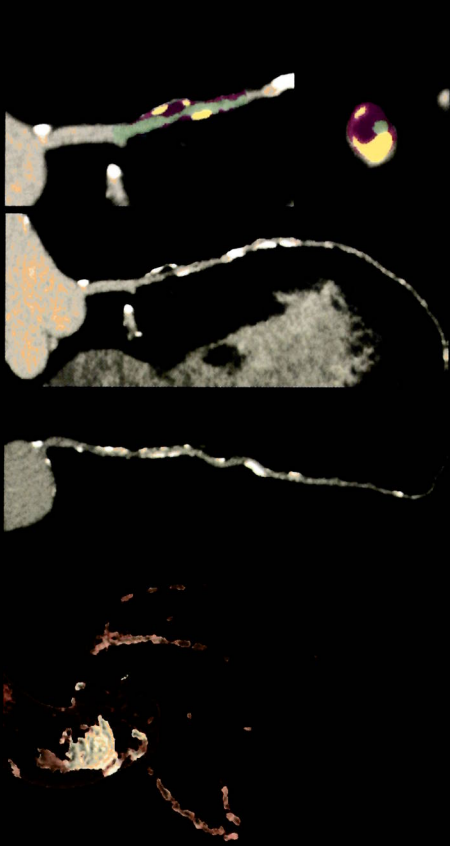


*Today with 0.23 sec/rotation, we don't administer beta blockers. We don't monitor the heart rhythm in advance, even when patients have a very high heart rate.*

*That's a significant improvement between the past and today's CT scans with the Revolution Apex Elite because the workflow is much more efficient."*

Dr. Joost Delanote, Radiologist, AZ Sint-Jan Brugge, Oostende, Belgium

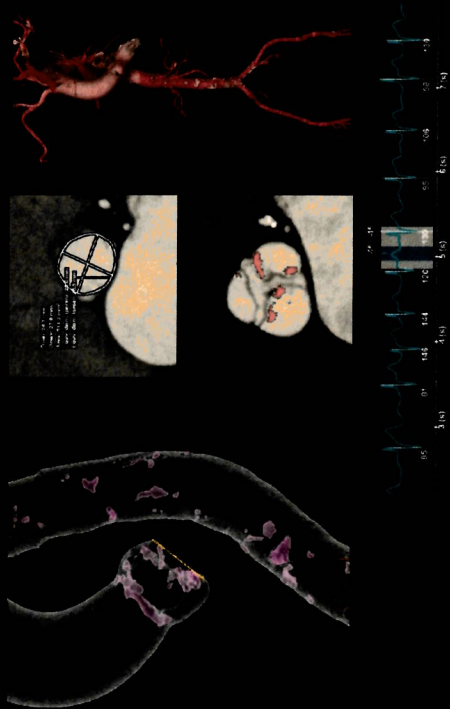
One-beat high resolution cardiac. Even with heavily calcified coronary plaques.



Scan type	Axial 1-beat cardiac	
Rotation time	0.23 s	
BPM	59	
BMI	27	
Calcium score	2623	
kV	70	
mA	1300	
Slice, mm	0.625	
Reconstruction	TrueFidelity DL	
Kernel	HD Standard	
Eff. dose, mSv	1.7	
Eff. dose, mSv	1.7	
k, *DLP	0.014	

With high-definition imaging, the Revolution Apex platform has exceptional spatial resolution for better vessel visualization and reduced calcium blooming. This provides clear images to help the physician with tasks such as accurately quantifying stenosis in coronaries and other vascular structures, which could lead to increased speed and confidence in reporting.

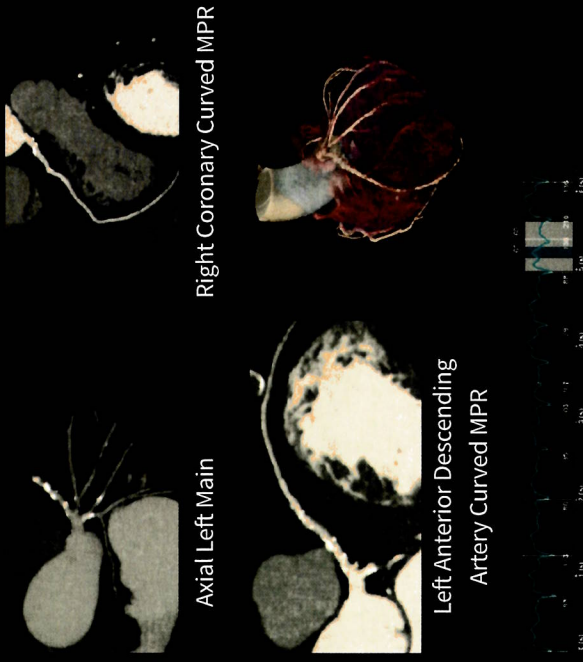
CCTA & TAVI for patient with variable HR 86 – 130 BPM and BMI 26.5



Scan type	Axial Gated I Helical	
Rotation time, s	0.28	
Pitch	0.992	
Slice, mm	0.625mm	
Reconstruction	TrueFidelity DL TF H	
kV	100 I 120	
mA	1088 I mA	
	modulation ~250	
Noise index	15 I 24	
Contrast		
ml	65ml	
mgI/ml	350mg/ml	
Algorithm	Standard	
DLP, mGy-cm	528	
Eff. Dose, mSv	7.39	
History	Aortic Valve Stenosis	

Dedicated TAVR/TAVI scanning protocols allow mixed acquisition of the heart, aorta, and femoral arteries with just a single injection of contrast media, covering 700mm of anatomy in less than 10 seconds, these protocols further optimize contrast by boosting visualization.

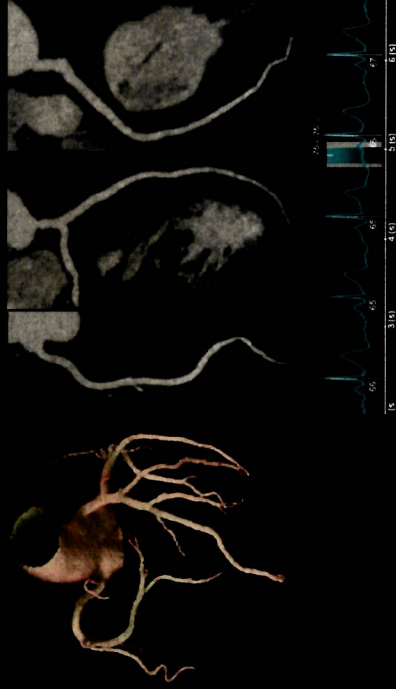
1-beat Cardiac at 0.23s rotation for a patient with chest pain at 136 BPM. No beta blockers.



Apex Elite with unlimited 1-Beat cardiac, 0.23s rotation time and 80 kV achieves great CCTA images without beta blocker, for a patient with irregular heart rhythm. Thanks to TrueFidelity DL, Quantix tube and 160 mm whole organ coverage.

Scan type	Axial Gated
Rotation time, s	0.23
BPM	136
Slice, mm	0.625
Reconstruction	DLIR - H
Algorithm	Standard
kV	80
mA	Smart mA - 1075
Noise index	45.0
CTDIvol, mGy	15.22
DLP, mGy-cm	243.47
mSv (*0.014)	3.4

Patient with BMI 39 vessel assessment 1-beat CCTA with 0.23s/rot and TrueFidelity DL image



Scan type	Axial Gated
Rotation time, s	0.23
BPM	66
BMI	39
Slice, mm	0.625
Reconstruction	DLIR
Auto prescription	120 kV
mA	720
Contrast	
ml/flow - mg/ml	55/5.0 - 320
Reconstruction	Standard
CTDIvol, mGy	7.3
DLP, mGy-cm	117
Eff. dose, mSv	1.6
k, *DLP	0.014

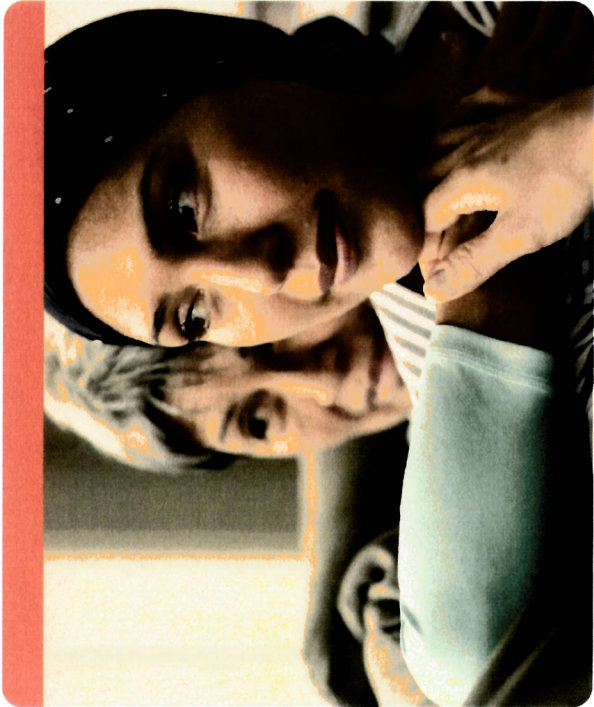
“As a cardiac imager, frequently dealing with large body habitus patients, it is remarkable the differences in noise reduction and image quality we can achieve by routinely implementing TrueFidelity DL. The soft tissue contrast resolution improvement is very apparent and the image quality is very pleasing without unexpected textures.”

Luis Landeras, M.D., Associate Professor of Radiology, Associate Director, Cardiac Computed Tomography and Magnetic Resonance, University of Chicago

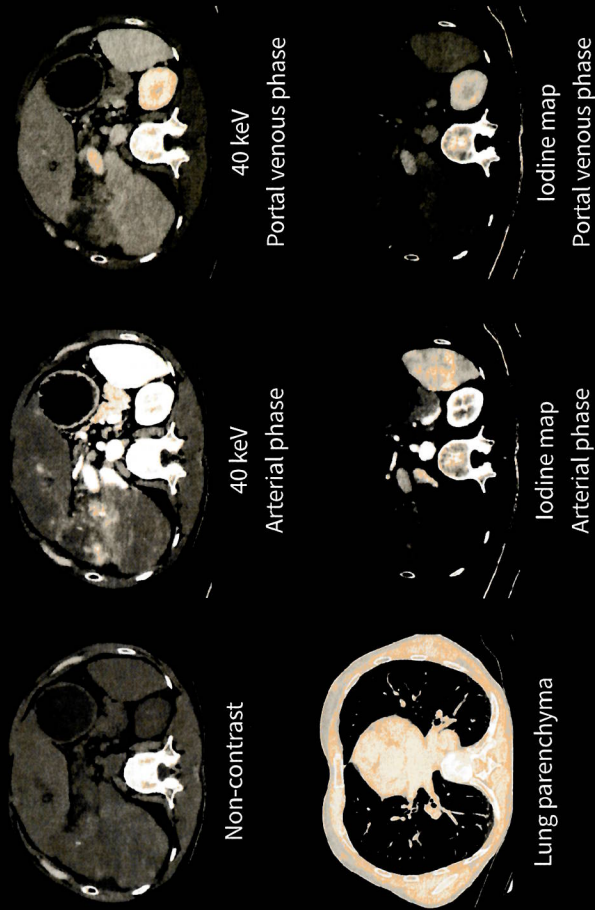


Tumors can be complex. Poor image quality makes it difficult for radiologists to see detail, texture and margins. Radiologists need as much information as possible to diagnose and handle difficult cases. Even when radiologists have the information they need, they still lack an easy, streamlined way to read, interpret and review the data.

Revolution Apex platform offers radiologists the information they need as well as an easier way to read, review, and interpret that information for potentially greater diagnostic confidence. With the next-generation, on-demand spectral imaging and deep learning, the most common procedures in the department and oncology follow-ups are all streamlined.



Spectral imaging to facilitate the post-treatment evaluation for a patient with liver cancer.



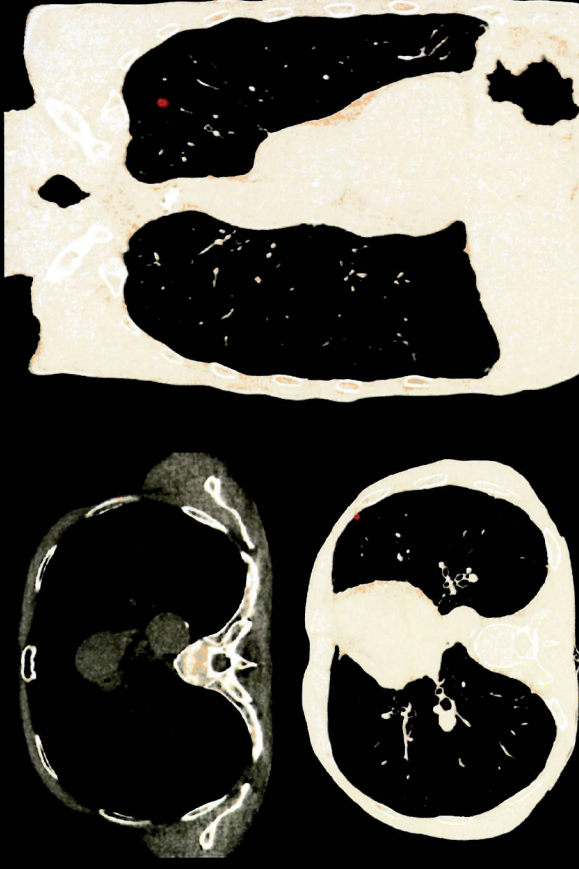
Thanks to kV/mA synchronized switching and TrueFidelity DL, spectral imaging on the Revolution Apex platform can produce high quality, low energy monochromatic images and iodine maps to enhance the depiction of lesions. This may help improve the diagnostic performance in evaluation for cancer patients.

Scan type	Helical
Rotation time	0.6 s
BMI	29
kV	80/140 kVp switching
mA	145
Slice, mm	1.25
Reconstruction	TrueFidelity DL
Kernel	Standard
CTDIvol, mGy	9.5 / 8.6
DLP, mGy-cm	294 / 607
Eff. dose, mSv	3.8 / 7.8
k, *DLP	0.013



## Chest

Ultra-low dose chest exam with HyperDrive, less than 1 second scan time.



Using HyperDrive, a 437 mm/s volumetric scan with 50 cm FOV, the Revolution Apex platform can acquire sub-second chest exams with ultra-low dose. You can rely on TrueFidelity DL for every exam to achieve the best image.

Scan type	Helical 80 mm	
Rotation time	0.28 s	
Pitch	1.531	
BMI	22	
kV	140	
mA	10	
Slice, mm	0.625	
Reconstruction	TrueFidelity DL	
Kernel	Standard	
CTDIvol, mGy	0.18	
DLP mGy x cm.	8.4	
mSv (*0.014)	0.11	

According to the World Health Organization (WHO), lung cancer is the most commonly diagnosed cancer and the leading cause of cancer death globally. Low dose CT (LDCT) can reduce lung cancer mortality by up to 20% in high-risk individuals based on NLST. The challenges of LDCT are the false-positive results and radiation exposure to the patient. The amount of reading also adds burden to the radiology departments.

TrueFidelity DL demonstrates noise reduction and an improvement of subjective image quality compared to iterative reconstruction in ultra-low dose conditions. And HyperDrive enables up to 437.5 mm/s\* volume acquisition speeds without compromising a 50 cm FOV or image quality. HyperDrive also minimizes the need for breath holds.



*Revolution Apex platform provides automatic lung and lung nodule segmentation, quantification measurement, nodule visualization, analysis and management to facilitate lung cancer screening. Diagnosis and follow-up are enabled through a streamlined workflow and the Smart Subscription package.”*

Jiang, B. et al. \*Deep Learning Reconstruction Shows Better Lung Nodule Detection for Ultra-Low-Dose Chest CT. Radiology 303, 202–212 (2022).





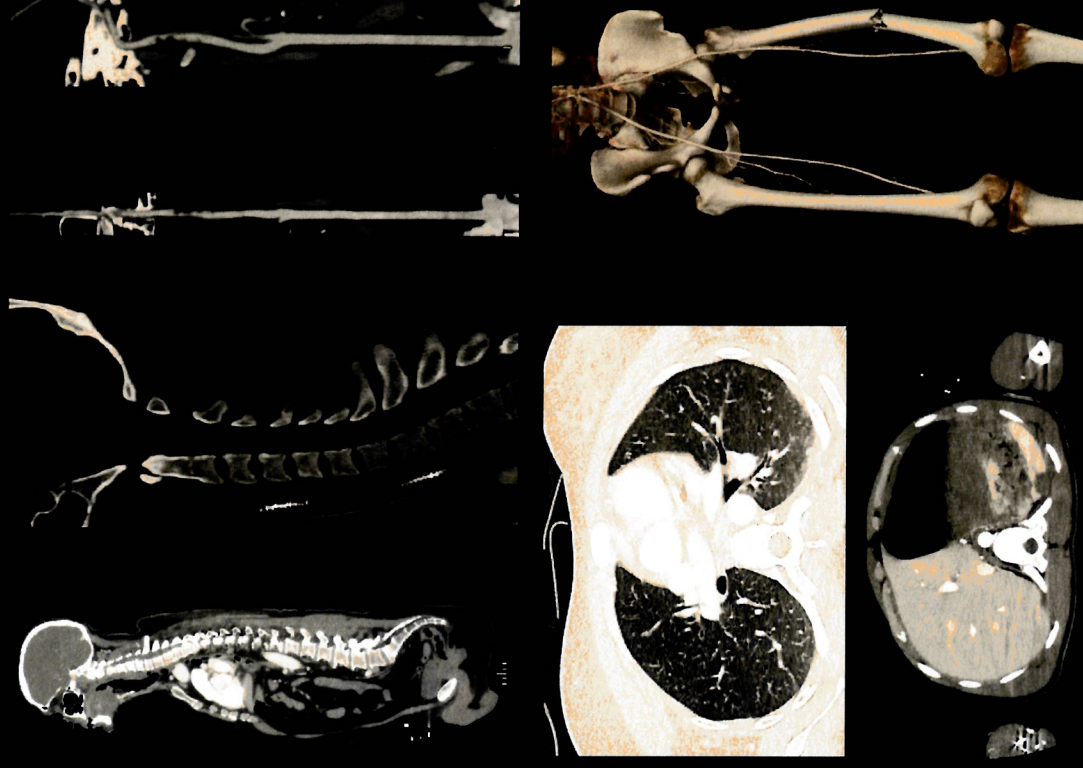
## Emergency

Emergency department patients may be injured, traumatized, or in distress. So the ability to obtain fast scans and high-quality images is crucial. Time is life for ER patients. But they may have difficulty remaining still, following instructions, or holding their breath. This can result in motion artifacts that decrease diagnostic confidence or even result in failed scans. Patients may also have metal implants, plates, screws, rods or fillings, which create metal artifacts in the image.

Be prepared for the unexpected with the Revolution Apex platform. Its suite of technologies, such as HyperDrive, TrueFidelity DL and Effortless Workflow offer the radiologist faster scans and high image quality at full 50 cm FOV which could lead to a more confident diagnosis. At the same time, the two meter positioning table and 80 cm bore size help with patients who are difficult to position properly and offer a higher level of comfort.



Ultrafast trauma exams with spectral imaging for all body types.

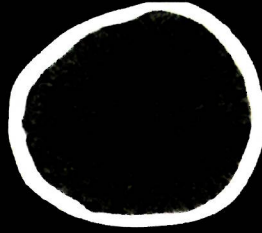




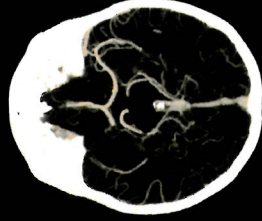


## Stroke

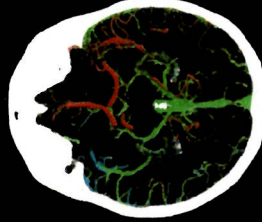
Acute stroke rule out in less than five minutes.



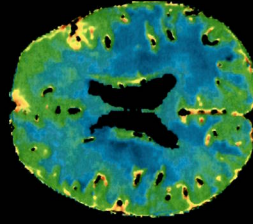
Non-contrast whole  
brain exam



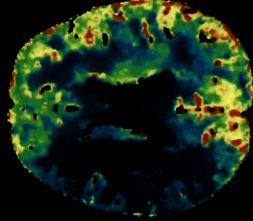
Multiphase CTA  
Arterial phase



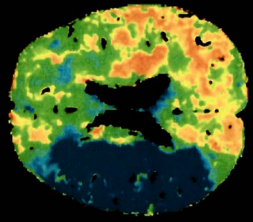
Multiphase CTA  
Color Viz



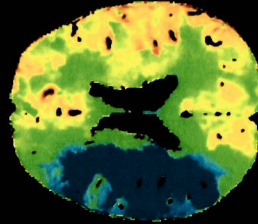
Blood Volume



Blood Flow



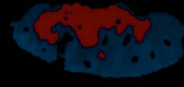
Mean Transit Time



T Max



Automatic Set Symmetry



Low perfusion and  
modified perfusion areas

For stroke patients, time is brain. When a patient arrives at the emergency room with symptoms that suggest a stroke, CT is the first-line imaging test to make a quick and accurate diagnosis that enables immediate treatment. Significant intra-arterial hemorrhage tends to occur relatively early after an ischemia stroke's intra-arterial reperfusion therapy, during a period when iodine contrast can stain the brain parenchyma.

The Revolution Apex platform is designed to reduce time to diagnosis for your stroke patients, with the goal of saving time and brain tissue. FastStroke provides a fast and efficient review of CT images for ischemic stroke evaluation. It is a comprehensive workflow solution for reviewing all CT series acquired for acute stroke workup with exceptional flexibility and simplicity. It is designed to intelligently adapt to your department practices, allowing you to post-process and review CT stroke images effortlessly.



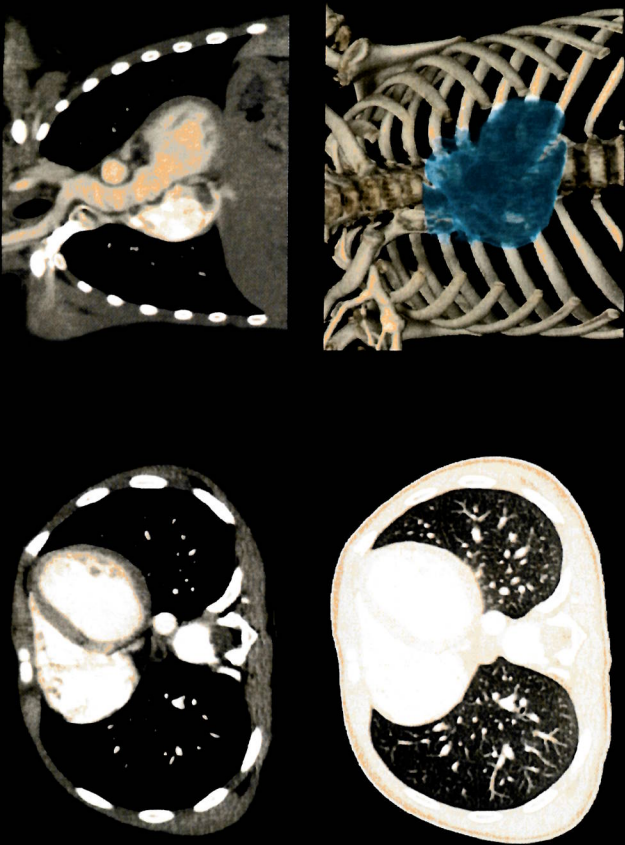
Pediatric

Pediatric patients can be challenging. Pediatric patients require fast and accurate images to avoid the need for sedation, unnecessary repeat scans, as well as lower radiation doses for safer care.

The Revolution Apex platform leverages HyperDrive and TrueFidelity DL to provide fast scanning and the lowest possible doses for the youngest patients, along with improved image quality and diagnostic confidence.



Pediatric imaging with minimal need for sedation or table movement using the lowest possible dose.



Scan type	Axial 160 mm collimation	
Rotation time	0.28 s	
kV	100	
mA	95	
Slice, mm	1.25	
Reconstruction	TrueFidelity DL	
Kernel	Standard	
CTDIvol, mGy	0.97	
DLP, mGy-cm	15.52	
Eff. Dose mSv	0.28	
(*0.018)		

The Revolution Apex platform can leverage 160 mm whole organ coverage or HyperDrive to potentially reduce the need for sedation. TrueFidelity DL images and low kV scans allow you to minimize the radiation dose while improving image quality and diagnostic confidence.

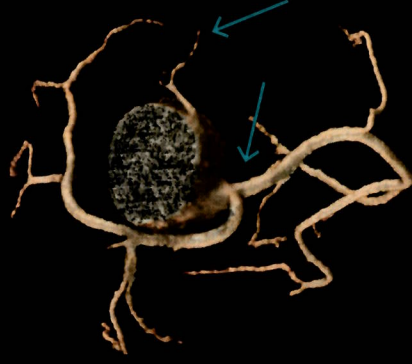
19-year-old CCTA image for right ventricle double outlet



Axial MIP - Posterior Sinus Origin  
LAD and LCX and Tiny RCA



Pseudo Aneurysm of  
Transverse Arch



Posterior Sinus Origin and  
Anterior Facing RCA Origin

Scan type	Axial
Rotation time, s	0.28
Pitch	1
Slice, mm	0.625
Reconstruction	DLIR - M
kV	80
mA	423
Algorithm	Standard
DLP, mGy-cm	214.25 mGy
mSv (*0.0023)	2.78 mSv
History	Assess Pulmonary Artery Anatomy
Findings	Double Outlet Right Ventricle

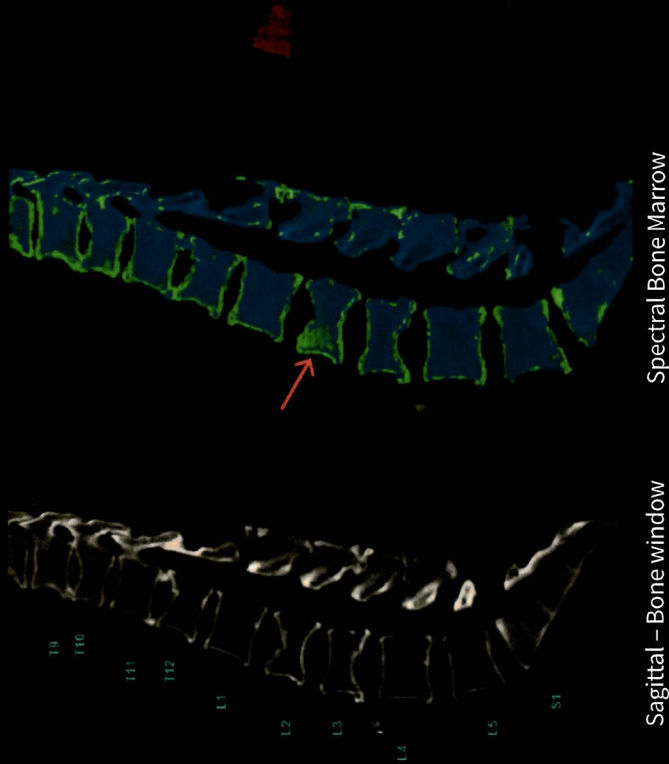




Fractures and dislocations may require surgical interventions as well as follow-ups to determine healing, leading to the need for high quality diagnostic images at low doses. Radiologists need to be able to diagnose even the tiniest fractures and breaks. Patients may have metal implants, plates, screws, rods, or fillings, resulting in metal artifacts in the image.

The Revolution Apex platform features high-resolution image acquisition and a 1024 reconstruction matrix. This may lead to ultra-high-resolution MSK imaging for detecting tiny fractures along with metal artifact reduction that works with both single-energy and dual-energy acquisitions.

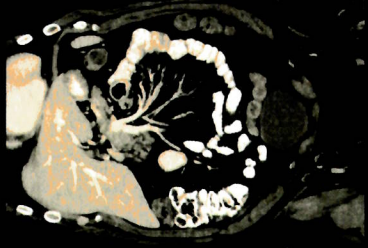
Spectral imaging to identify bone marrow edema.



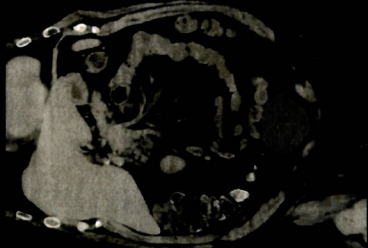
Scan type	GSI helical 40 mm	
Rotation time	1 s	
Pitch	1	
BMI	28	
kV	80/140 kVp switching	
mA	445	
Slice, mm	1.25	
Reconstruction	TrueFidelity DL	
Kernel	Standard	
CTDIvol, mGy	24	

Spectral imaging can also generate calcium-suppressed water maps to help evaluate bone marrow edema caused by bone fractures and bruises. This may benefit patients who have contraindications to MR imaging or when MR imaging is not available.

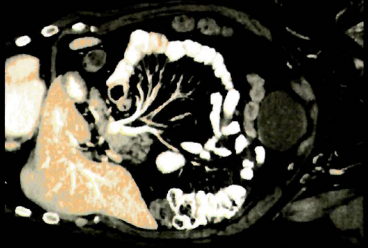
High quality spectral imaging even for morbidly obese patients.



2.5 mm, 40 keV



2.5 mm iodine/water



2.5 mm, 40 keV



2.5 mm iodine/water

Scan type	Helical 80 mm collimation			
BMI	51			
Rotation time	0.5 s			
kV 80/140 kVp switching				
mA	515			
Slice, mm	0.625			
Reconstruction	TrueFidelity DL			
Kernel	Standard			
CTDIvol, mGy	55			

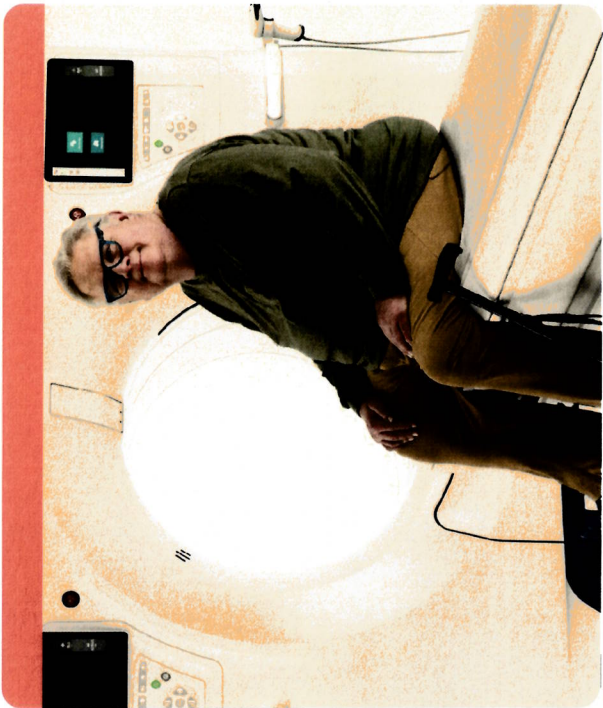
Powered by the Quantix X-ray tube and TrueFidelity DL, GSI Xstream on the Revolution Apex platform allows spectral imaging for patients with large body habitus, without compromising exceptional image quality even for 40 keV and material mapping.



## Obesity

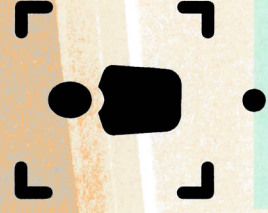
Obese patients often have larger body sizes and increased layers of subcutaneous fat. This can make it difficult for the X-ray to penetrate the tissue effectively, resulting in reduced image quality. The increased attenuation of X-rays by fat can also affect the contrast and clarity of the images, making it challenging to visualize certain structures.

Using the many capabilities of the Revolution Apex platform, including the Quantix X-ray tube, Clarity Detector and TrueFidelity DL, you can achieve uncompromised image quality, even for morbidly obese patients with both single-energy and spectral imaging.





# Revolutionizing CT from referral to report



## Effortless Workflow

We are always seeking out new ways to boost operational efficiency with the goal of making your imaging workflow feel like second nature, possibly even invisible. When it comes to CT, we studied the entire workflow and created solutions to simplify and streamline each step of the process.

These solutions are the core of our Effortless Workflow model, a sophisticated collection of technologies that automate and simplify time-consuming tasks from pre-scan to post-scan. Effortless Workflow takes the CT experience to a new level of speed and precision.

## Pre-scan

### Before the scan

Intelligent Protocols can automatically and intelligently suggest the relevant protocols for each study. After selecting the protocol, the patient Auto Positioning system, supported by a 3D camera and an AI algorithm, can intelligently identify specific anatomical landmarks and the patient isocenter. The system can then automatically move your patient into the optimal position for the scout scan.



Intelligent Protocols

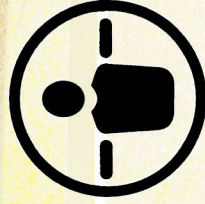


Auto Positioning



“Workflow efficiency is critical. We have seen that by mapping our process. We can see some of our pain points and then we can automate, decrease errors, provide better standardization and less variability.”

Ricardo Cury, M.D., Chairman of Radiology,  
Baptist Health



## Scan

### During the scan

Auto Prescription is a virtual scan assistant that can automatically adapt scan parameters to your patient's size and clinical indications. This can help you ensure the right scan settings so you can achieve optimal dose and image quality for every patient, every time.



### Smart Plan



### Auto Prescription

## Post-scan

### After the scan

Smart DMPR generates consistent and anatomically relevant reformats. Parallel Recon processes multiple reconstruction tasks at the same time so images are ready to review even before your patient leaves the scan room. This is crucially important for time-sensitive exams such as stroke and polytrauma workups.



### Automated post-processing tools





GE Healthcare



“ Our group has two strategic pillars, which consist of innovation and excellence in diagnosis. With Smart Subscription we are able to remain on top of technological advances and thereby stay aligned with our strategic pillars.”

Dr. Hugues BRAT, Chief Medical Director,  
3R Réseau Radiologique Roman, Switzerland



# A CT that keeps getting better

Smart Subscription, a subscription service that provides access to the latest capabilities for your CT.<sup>3</sup>

## Keep pace

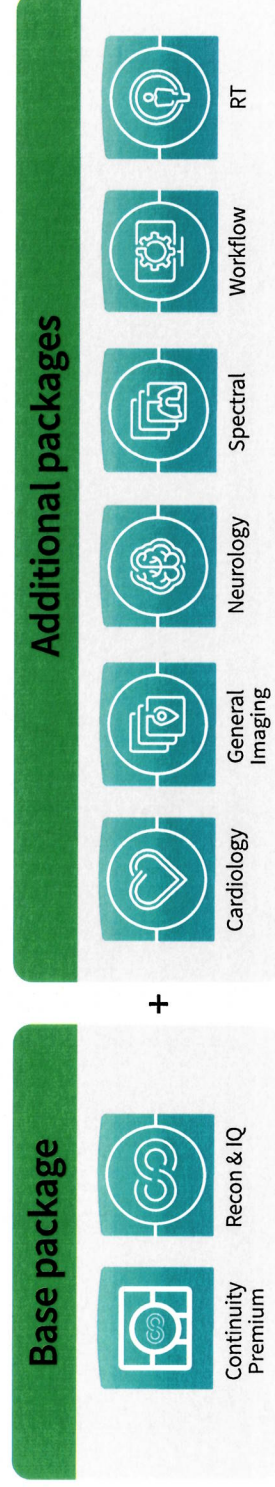
Smart Subscription is the industry's first subscription-based service for CT that helps you keep your computing platform and software up to date and keep pace with clinical and workflow innovations.

## Consistency

It helps you maintain the same capabilities across all of your systems, at all your sites, enabling more consistent exams.

## Flexibility

Smart Subscription includes a broad range of application packages across many different imaging services, giving you the flexibility to pick the right plan for you.



Smart Subscription Unlimited

<sup>3</sup> Software available to customer is dependent on the software package purchased by customer.



# Get a head start on the future of CT

## Future-ready platform

It's challenging enough to ensure you have the latest CT technologies to support confident diagnoses for your current patients. You also need to keep an eye on the future. That's why we built the Revolution Apex platform with a "future-ready" design philosophy. Our modular Clarity Detector is the foundation of this approach.

You can start with Revolution Apex Select, which has a 40 mm Clarity Detector and 0.28 sec rotation speed. In the future, when you need to grow your service line, you can scale the detector up to 160 mm and upgrade the rotation speed to 0.23 sec per rotation.\* Our "future-ready" philosophy doesn't stop at your system's hardware.

Your Clarity Operator Environment will receive regular updates that can easily be downloaded to your system. The Revolution Apex platform also gives you access to Smart Subscription, the industry's first subscription-based service for CT applications. With the Revolution Apex platform, you don't have to worry about keeping up with technology, because everything you need for the future is already there.

## The future is green

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.

### 1

**Reduce bloat technology  
Scalable to the core**  
85% of the materials used in the Revolution Apex platform are recyclable at the end of its lifespan.

### 2

**Reuse to expand potential  
Live past the lifetime**  
Our CT systems are built with scalability and upgradability to help prevent technology obsolescence and advance clinical capability.

### 3

**Recycle once done  
Sustainable to the end**  
94% – 96% of most systems are reused, refurbished, or recycled, extending the lifetime of each product.

## Revolution Apex Elite

Image any challenge and every patient  
Best for providing uncompromised  
solutions for all challenging patients



160 mm detector coverage



0.23 sec rotation speed



TrueFidelity DL



Smart Subscription

## Revolution Apex Plus

The versatility to see it all  
Best for ED/trauma COE and  
pediatric COE



80 mm detector coverage



0.23 sec rotation speed



TrueFidelity DL



Smart Subscription



## Revolution Apex Select

Built to perform and then outperform  
Best for routine imaging centers  
covering all care areas



40 mm detector coverage



0.28 sec rotation speed

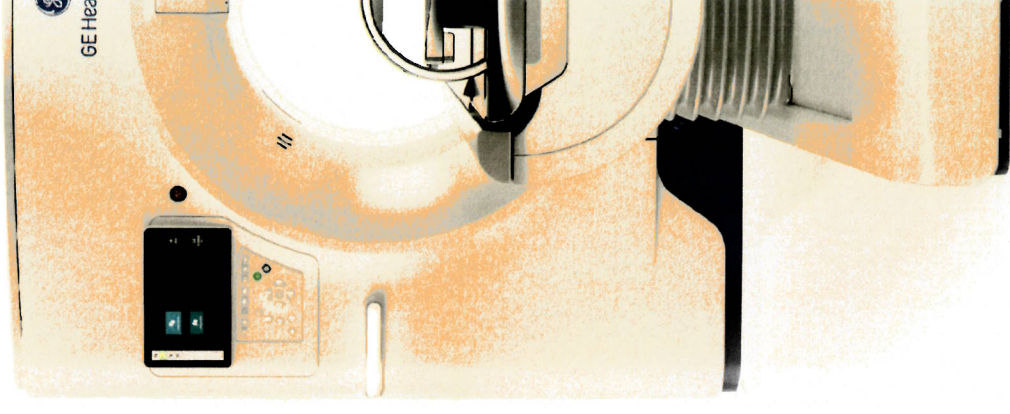


TrueFidelity DL



Smart Subscription

Up to 1300 mA with 200 KVA, up to 1200 mA with 150 KVA



## About GE HealthCare

GE HealthCare is the \$18 billion healthcare business (NYSE: GEHC). As a leading global medical technology and digital solutions innovator, GE HealthCare enables clinicians to make faster, more informed decisions through intelligent devices, data analytics, applications and services, supported by its Edison intelligence platform. With over 100 years of healthcare industry experience and around 50,000 employees globally, the company operates at the center of an ecosystem working toward precision health, digitizing healthcare, helping drive productivity and improve outcomes for patients, providers, health systems and researchers around the world.

Follow us on Facebook, LinkedIn, Twitter, and Insights for the latest news, or visit our website [www.gehealthcare.com](http://www.gehealthcare.com) for more information.



GE HealthCare



# **Appendix E**

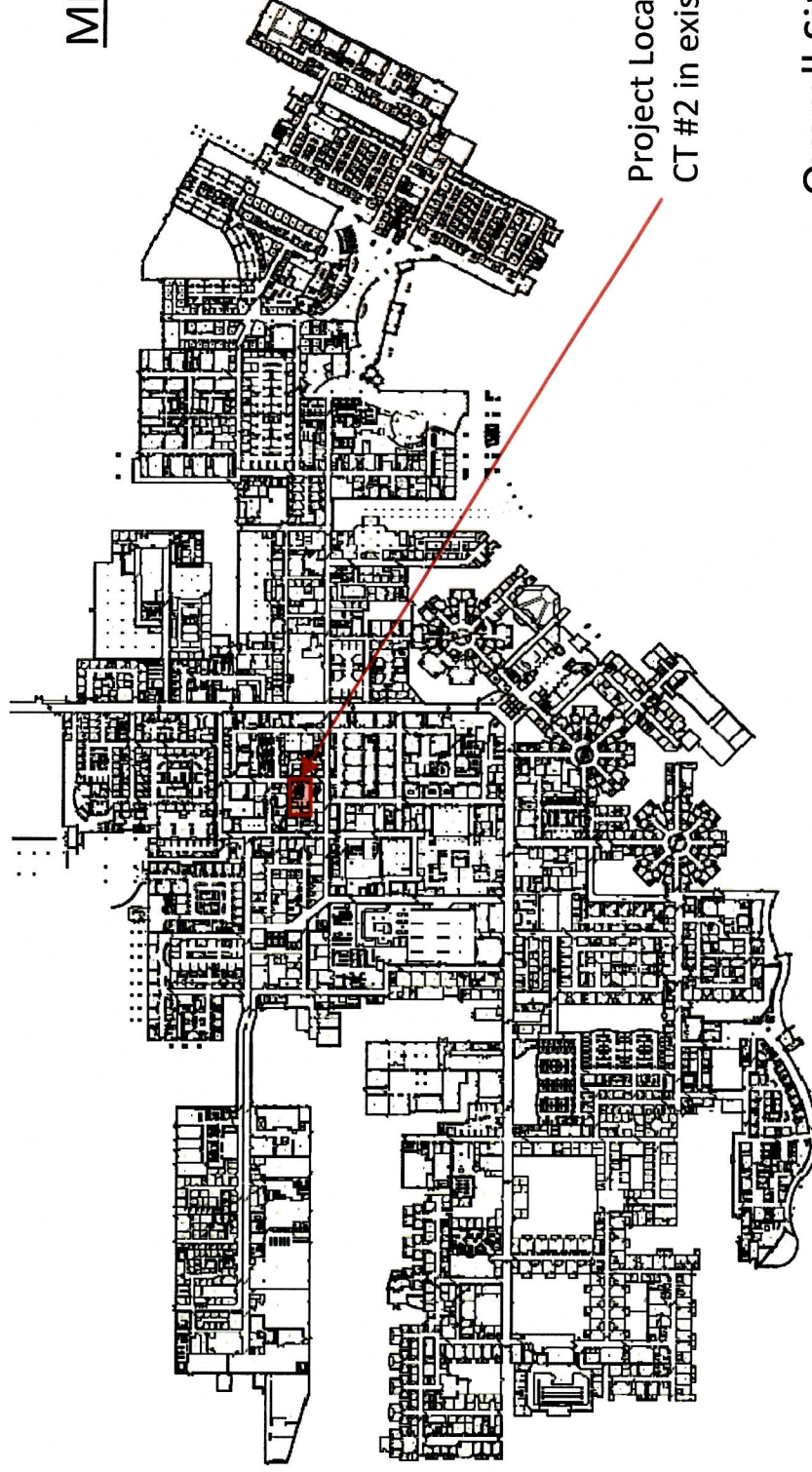
## **Site and Floor Plan**

REPLACEMENT

CT #2 FOR

ECU HEALTH

MEDICAL CENTER



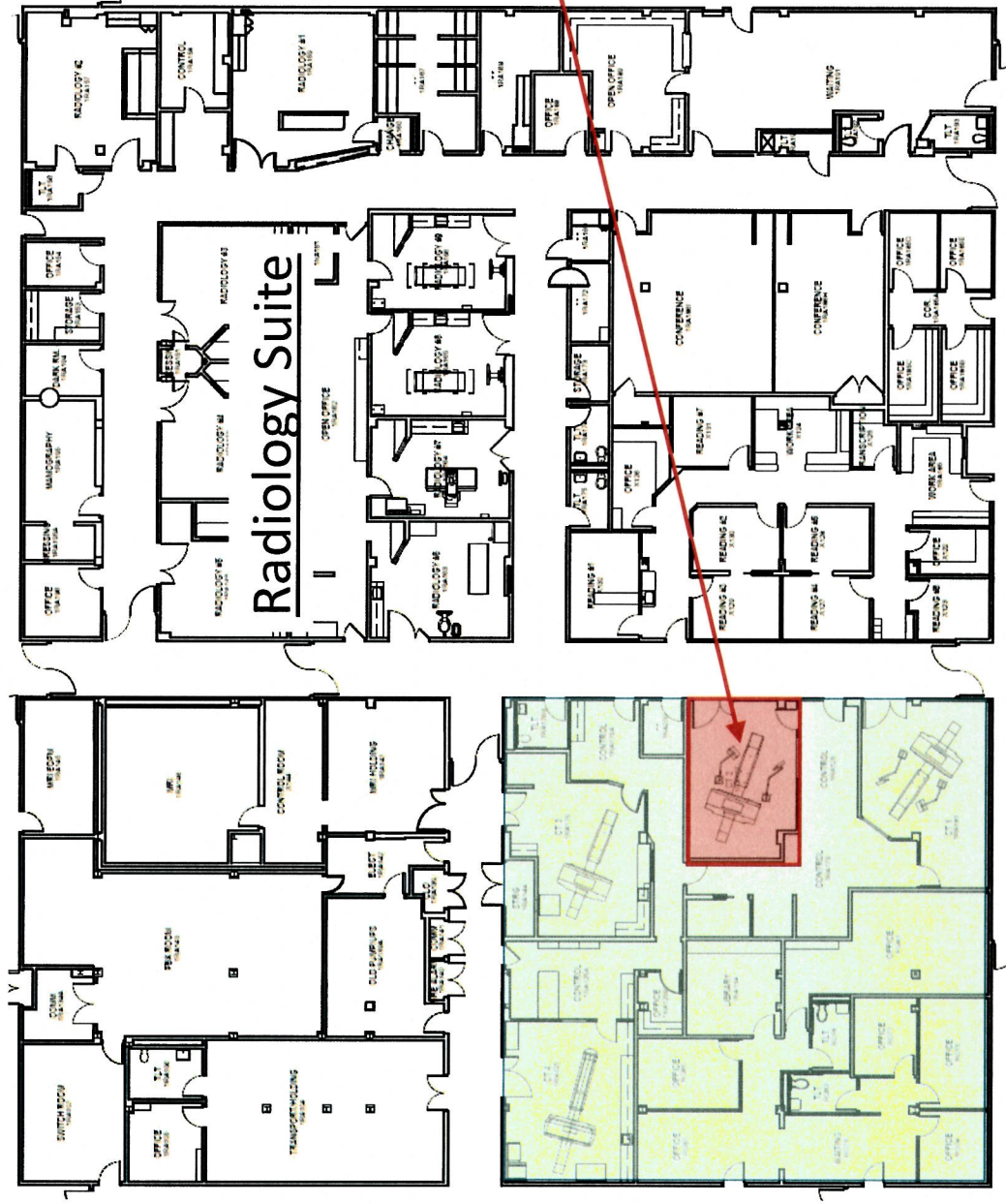
Project Location for Replacement  
CT #2 in existing CT room

Overall Site Plan

ECU Health Medical Center

REPLACEMENT  
CT #2 FOR  
ECU HEALTH  
MEDICAL CENTER

Proposed Replacement CT #2  
in existing CT room



## Enlarged Plan of Project Location



REPLACEMENT  
CT #2 FOR  
ECU HEALTH  
MEDICAL CENTER

Proposed Replacement CT #2  
in existing CT room

Project Floor Plan



**From:** [Lentz, Samuel](#)  
**To:** [Yakaboski, Greg](#)  
**Cc:** [Stancil, Tiffany C](#); [Shovelin, Jeffrey](#)  
**Subject:** [External] ECU Health Medical Center - CT Replacement  
**Date:** Friday, April 4, 2025 9:46:16 AM  
**Attachments:** [ECU Health Med. Ctr. CT Replacement - Final Submission.pdf](#)

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**CAUTION:** External email. Do not click links or open attachments unless verified. Report suspicious emails with the Report Message button located on your Outlook menu bar on the Home tab.

Good morning, Greg. Please see the attached exemption letter associated with a CT replacement at ECU Health Medical Center.

Thank you,  
Sam

**Sam Lentz, MHA**  
Senior Planner  
Corporate Planning



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