

V.A. Medical Center
GENERAL WAREHOUSE
3710 SW VETS. HOSP. RD.
PORTLAND, OR 97239

Line	Qty.	Catalog	
1	1.00	S18821BV	IGS 620 Biplane System

The Innova IGS 6 in it below described IGS 620 configuration with Omega V table is a biplane cardiovascular and interventional X-ray system consisting of a floor mounted three-axis C-arm and a ceiling suspended C-Arm with the GE exclusive 21cm x 21cm Innova solid-state digital detectors. It is designed to consistently provide excellent imaging performance for a full range of Interventional X-ray procedures, such as neuro, cardiac, general vascular diagnosis and intervention, electrophysiology, and a range of non-vascular interventional procedures.

Innova IGS 6 Positioner

The Innova IGS 6 combines GE's exclusive Innova floor mounted LC Positioner with a ceiling mounted lateral plane with an ergonomically designed tableside user interface to provide easy access and control of critical features during an exam. The patented 3-axis isocentric positioner design features a floor mounted L-Arm and offset C-Arm for maximum positioning flexibility and excellent patient access in all views. The rigid floor-mounted construction provides minimum vibration and deflection during spin acquisitions. The three motor driven axes help make even the most complex angulations easy to achieve.

GE Revolution digital flat panel detector

The digital detector uses an amorphous silicon photodiode array on a continuous-substrate, single-piece panel with no inherent seams. The digital detector (21 cm x 21 cm) is comprised of a 1024 x 1024 array of imaging elements or pixels on a 200- micron pitch. Scintillator thickness and electronic noise are optimized to produce extremely high detective quantum efficiencies, both at high exposures and at fluoroscopic doses.

X-RAY Tube

The Innova IGS 6 uses a 100 kW high-frequency Jedi three-phase power unit that provides grid pulsed fluoroscopy capability. Automatic X-ray technique calculation provides a tube-rating chart that calculates maximum exposure time based on the selected protocol, kV, mA, focal spot and available heat units. Fluoroscopy and radiography exposure times and mA are automatically controlled by the dynamic exposure optimization system. The range of mA is limited by X-ray tube ratings and regulatory limits. A fluoroscopic timer captures the fluoroscopic procedure time (reset time is every five minutes).

The Omega V table

The Omega V table is the long version, and motorized table. It supports a load up to 304 kg and allows imaging coverage with table panning up to 187cm with table dimension: 333cm in length and 46cm in width.

User interface

- The SmartBox provides a simple control of the positioner and the table. A second SmartBox can be added at tableside or in the control room.
- The TSSC provides simple access to key acquisition and review parameters throughout the exam. A second TSSC can be added at tableside or in the control room.
- The Central Touch Screen lets the user control the system functions as well as integrated equipment.
- Fluorostore store displays, and plays loops of the last 450 (up to 900) fluoro images at the push of a button for streamlined image review, helping to avoid extra images and exposure.
- In Room Browser display the sequences previously acquired on the in-room monitor for interactive table-side selection and review.

The Innova IGS 6 system facilitates image management and workflow using standard format and communication protocols. It also features close integration with the AW and CA1000 workstations to provide advanced image review and processing capabilities.

- Acquisition of data at 14 bits
- Dynamic and chase images stored in 8 bits, maximum 450 images per sequence. Storage capacity: 136,000 dynamic and chase images
- DSA images with 12 bits data stored in 16 bits, maximum 450 images per sequence. Storage capacity: 68,000 DSA images
- DICOM image output on 100Mbit Ethernet with Autosend and background transfer for fast transmission with minimal user interaction.
- Capability to do full resolution 1024 x 1024 DICOM push to retain image quality at acquisition (configurable to 512 x 512 for cardiac acquisitions and 512 x 512 x 512 or 256 x 256 x 256 for 3D imaging)

- Patient Worklist capability provides a single point of entry of patient data, increasing staff productivity and eliminating clerical errors: patient information can easily be imported into the digital system from information systems that support DICOM Worklist Service Class Provider.
- Multi-destination Push enables images to be sent to multiple remote DICOM destinations sequentially (one after another). Multi-destination helps to support a clinical scenario of handling post processing and archival activities in multiple destinations independently of each other (workstation, PACS).
- MPPS: Modality Performed Procedure Step allows to share the main exam parameters with the hospital information system.
- For the 3DCT / 3DCT HD option, users can direct-push the 3D acquisition directly to the pre-configured AW, even if the images of the exam are pushed to a PACS or another archiving

Line	Qty.	Catalog	
2	1.00	S18461LH	LINKSET EP MAPPING

Link Set for EP Mapping

Line	Qty.	Catalog	
3	1.00	S18461LV	LINKSET IVUS

Link Set for IVUS Volcano

Line	Qty.	Catalog	
4	1.00	S18461LG	LINKSET DIGITAL and ANALOG US

Link Set for Digital and Analog Ultrasound

Line	Qty.	Catalog	
5	1.00	S18461LY	LINKSET OPEN2

Link Set Open 2

Suitable for anesthesia monitors, camera, etc.

Line	Qty.	Catalog	
6	1.00	S18461LX	LINKSET OPEN3

Link Set Open 3

Suitable for Veran, anesthesia monitors, camera, etc.

Line	Qty.	Catalog	
7	1.00	S18461AD	ANALOG TO DIGITAL CONVERTOR KIT

Analog to Digital Converter Kit

Line	Qty.	Catalog	
8	1.00	S18751PY	LDM UPS 3KVA 110V

UPS for Large Display Monitor, 3KVA, 110 volt

Line	Qty.	Catalog	
9	1.00	S18461CJ	LDM Cables Group For Biplane Standard length

LDM Cables Group For Biplane Standard length

Line	Qty.	Catalog	
10	1.00	S18771FV	Large Display Monitor Protective Screen

Line	Qty.	Catalog	
11	1.00	S18391MP	Mavig Monitor Suspension for Large Display Monitor with 36m Cable

Mavig Monitor Suspension for Large Display Monitor with 36m Cable

Line	Qty.	Catalog	
12	1.00	S18461NT	Primary Image Display LDM Solution

Primary Image Display LDM Solution

Line	Qty.	Catalog	
13	1.00	E80161AY	SLICKER COVER FOR OMEGA IV+V

Line	Qty.	Catalog	
14	1.00	S18061MB	2 Inch Comfort Table Mattress

2 Inch Comfort Table Mattress

Line	Qty.	Catalog	
15	1.00	S18811BM	BIPLANE TSSC CONTROL

Second Biplane TSSC Control. For Control Room only.

Line	Qty.	Catalog	
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16 1.00 S18811BC Smart Box (Joystick) Positioner

Primary Smart Box

New Smart Box for Simplified and Intuitive Joystick Control of Positioner and Table

- Anatomical and Mechanical Positioning
- Independent or Simultaneous Movement of All Three Positioner Axes
- Remote SID Control
- Manual or Motor Assisted 4-way Table Panning
- Ergonomic Design
- Hermetically Sealed

Line	Qty.	Catalog	
17	1.00	S18811BN	BIPLANE SMART HANDLE

Innova Optional Second Smart Handle

Single-handed, Simultaneous Control of Positioner and Table Movements From the SmartHandle Operator Control

- Anatomical and Mechanical Positioning
- Independent or Simultaneous Movement of All Three Positioner Axes
- Remote SID Control
- Manual or Motor Assisted 4-way Table Panning
- Ergonomic Design
- Hermetically Sealed

Line	Qty.	Catalog	
18	1.00	S18061EJ	Wireless footswitch biplane

Line	Qty.	Catalog	
19	1.00	S18461NV	1x Live Black and White LCD Frontal Monitor

1x Live Black and White LCD Frontal Monitor

Line	Qty.	Catalog	
20	1.00	S18461NW	1x Live Black and White LCD Lateral Monitor

1x Live Black and White LCD Lateral Monitor

Line	Qty.	Catalog	
21	1.00	M81521KC	AW VolumeShare 7 for Interventional with 32GB of RAM. DOES NOT include Volume Viewer

AW VolumeShare 7 is a multi-modality image review, comparison and post processing workstation built with simplicity and power at its core. Powerful software is optimized to take advantage of state of the art 64 bit technology and multiple cores to ensure leading edge performance.

AW VolumeShare 7 features include:

Hardware:

- o HP Z440 Workstation
- o CPU: Intel Xeon E5-1660v3 (Haswell) Eight-Core @ 3.0 GHz with 20MB L3 Shared Cache each with Dual QPI @ 8 GT/s
- o RAM: 32GB (8x4GB) Four-channel DDR4 ECC RSIMM @ 2133 MHz
- o GRAPHICS: NVIDIA Quadro NVS310 with 1 GB Video RAM
- o 1x 256GB SATA3 SSD for OS and Apps
- o 2x 512GB SATA3 SSD in RAID 0 for 1TB data storage
- o VGA Video Convert Kit

Software:

- o GE Healthcare HELIOS 6 operating system
- o Demo Exams for training and exploration
- o Fast access to information you need through optional RIS integration & priors post-fetch
- o Efficient workflow through dynamic load, end review and Key Image Notes features
- o Productivity package to pre-process exams and allow up to 8 simultaneous sessions
- o Applications usage monitor to track and view usage of your system
- o Smart layouts with Volume Viewer General review protocol that optimizes comparison and single exam layouts
- o Enhanced multi-modality contouring tool with support for PET SUVs
- o Support for external DICOM USB media and preference management tool to exchange preferences across users
- o Support for optional, broad suite of multi-modality advanced applications

Line	Qty.	Catalog	
22	1.00	M80281AA	AW VolumeShare 7 Monitors

AW VolumeShare 7 Monitors are two high-quality monitors offering bright and high contrast imagery suited to the display of medical images per the AW VolumeShare Indications for Use. Each provides a 19" 1280x1024 (5:4 aspect ratio) display that complies with international medical and patient safety standards and offers the following specifications:

- Maximum luminance (panel typical) : 330 nit
- DICOM Part 14 calibrated luminance: 215 nit
- Contrast ratio (panel typical) : 900:1
- An ambient light sensor
- Brightness non-uniformity (measured as per DIN6868-157) : +/-25%

Line	Qty.	Catalog	
23	1.00	S18021CF	Cardiac X-Ray Analysis

Cardiac X-Ray Analysis

Line	Qty.	Catalog	
24	1.00	S18921LA	Dose and Workflow Optimization Package for IGS 520

Dose & IQ Optimization Package

A package that includes the following features: InnovaSense - InnovaSense is an advanced patient contouring technology that uses

an intelligent algorithm during gantry motion to select the optimal position for the image receptor relative to the patient. By reducing the distance from receptor to patient, the system optimizes imaging geometry and helps reduce radiation exposure. The user also can position both the gantry and detector with one integrated operation. Capacitive sensor technology and optimized collision avoidance software enable a speed of pivot and C-arm, of up to 20 per second.

Dose Map - Dose Map is a feature used to calculate, display and record an estimated local cumulated dose during procedures done on the GE X-Ray angiographic system. It is designed to provide to the user a visualization of the distribution of the local cumulated dose all throughout the exam as well as the current projection of the beam. The local dose is calculated depending on the estimated air kerma, the gantry position, the table position, the table estimated attenuation, the estimated backscatter correction and the system settings. Calculation and cumulated local dose are updated for each acquisition and displayed upon user request or upon configured threshold. The cumulated air kerma display remains the reference for dose management.

Line	Qty.	Catalog	
25	1.00	S18751BR	Blended Roadmap

Blended Roadmap

Blended Roadmap is a vascular roadmapping application that superimposes a previously acquired vascular image over live fluoroscopy. Clinicians can select any DSA or bolus image as a reference roadmap image. By using it multiple times, it has the potential to minimize contrast media injections during roadmapping. Blended roadmap provides additional features to enhance roadmapping procedures:

- Adjustment of the subtraction level
- Adjustment of the vessels transparency
- Automatic resizing of the roadmap image to adapt to the fluoroscopic field of view
- Pixel shift of the vessel image to compensate for motion

Blended Roadmap is available on systems with either Omega V or InnovaIQ tables. Blended Roadmap requires the Advanced Innova Software Package. On the biplane systems it can be applied to one frame at a time.

Line	Qty.	Catalog	
26	1.00	S18811PA	Analysis Package

Quantitative Analysis Package

Stenosis Analysis Package on DL Digital System

The Stenosis Analysis Package is an application designed for estimating vessel dimensions and relevant parameters of the arterial Stenosis morphology in X-Ray angiography. The system is capable of automatic detection of vessel edges and display of stenosis severity.

Left Ventricular Analysis Package

The Left Ventricular Analysis Package is an expert reporting tool designed to estimate wall motion dynamics of the left ventricle, and to perform Global Ejection Fraction Analysis in X-Ray angiography. The system is capable of providing Wall Motion and Global Ejection Fraction measurements. Wall Motion is built on the centerline method.

GEF analysis is calculated using both Simpson's rule method and the Dodge-Sandler area-length method

Cardiovascular Analysis Package (on DL system)

The Cardiovascular Analysis Package includes both the Stenosis Analysis Package and the Left Ventricular Analysis Package.

The Stenosis Analysis Package is an application designed to estimate vessel dimensions and relevant parameters of the arterial Stenosis morphology in X-Ray angiography. The system is capable of automatic detection of vessel edges and display of stenosis severity.

The Left Ventricular Analysis Package is an expert reporting tool designed to estimate wall motion dynamics of the left ventricle, and to perform Global Ejection Fraction analysis in X-Ray angiography. The system is capable of providing Wall Motion and Global Ejection Fraction measurements (GEF). Wall Motion is built on the centerline method.

GEF analysis is calculated using both Simpson's rule method and the Dodge-Sandler area-length method.

Line	Qty.	Catalog	
27	1.00	S18921LE	PCI Assist

PCI ASSIST is a commercial package that includes the following features:

High Contrast Fluoro - Organs in motion generate image blurring, which can make it difficult to assess the size of the lesion as well as stent deployment. To overcome this challenge, we increased the mA peak up to 36%, and decreased the pulse width by 25%. While the dose is equivalent, it is delivered in an efficient way that helps significantly reduce the blurring in the image due to organ motion.

StentViz - StentViz enhances visibility of the stent structure. It is particularly useful in verifying placement and deployment of stents during coronary interventions where moving arteries could make visibility challenging. StentViz processing is fully automated and can be launched at the press of a button on the Central Touch Screen at tableside. The result is automatically displayed on the reference monitor and shows two zoomed and enhanced images of the stent: One with the guidewire in view and a second one with the guidewire subtracted out in the area between the two balloon markers to allow excellent visualization of the stent struts or borders.

StentVesselViz - StentVesselViz Being able to see the position of stent into the vessel is especially critical in cases of complex clinical situations such as bifurcations or calcified lesions. A complete apposition of stent onto vessel wall can contribute to prevent stent thrombosis & restenosis. StentVesselViz improves the user confidence in the assessment of the position, correct deployment and shape of the stent in relation with the vessel in 2D versus cine. Thanks to an intuitive workflow, StentVesselViz is operated smoothly and can help the user position and expand stent. The StentVesselViz option delivers from a single acquisition a StentViz image and then the fusion of this one with an image of the injected vessel. Those two images are automatically fading together for optimized and simultaneous visualization of stent into the vessel pre and post deployment.

Line	Qty.	Catalog	
28	1.00	S18711PE	CARTO ALARA Interface Kit

Innova 2100/3100IQ Plus/Pro and IGS 520/530 with Innova N/C Vision Upgrade for the CARTO 3 Uniview System

This feature upgrades an Innova 2100IQ or 3100IQ Plus/Pro system or IGS 520/530 system (with the Advanced Innova Software and Vision Hardware) to compatibility with Biosense Webster's CARTO 3 Uniview System. The CARTO 3 UniVu System combines Fluoroscopy from Innova with 3D Cardiac Imaging. This software upgrade to the Innova system includes the following:

CARTO 3 Uniview Interface Kit
Installation

CARTO 3 Uniview System is available from Biosense Webster and is not included with this upgrade.

Line	Qty.	Catalog	
29	1.00	S18771DA	FE Letter - QC mode Option activation

FE Letter - QC mode Option activation

Line	Qty.	Catalog	
30	1.00	S1876PH	UL POWER DISTRIBUTION BOX

UL POWER DISTRIBUTION BOX

Line	Qty.	Catalog	
31	1.00	S18811FD	B by P UL COOLIX SMC AUTO-TRANSFORMER

Biplane UL Coolix 4100 Auto Transformer

Line	Qty.	Catalog	
32	1.00	S18751RL	Fluoro UPS 20KVA UL

Innova - IQ 20 KVA UPS

Line	Qty.	Catalog	
33	1.00	S18111SP	Lateral Installation Suitcase

Lateral Installation Suitcase

Line	Qty.	Catalog	
34	1.00	S18101AT	TEMPLATE

TEMPLATE

Line	Qty.	Catalog	
35	1.00	S18101AJ	Base Plate LC - Through Floor Kit

Base Plate LC - Through Floor Kit

Line	Qty.	Catalog	
36	1.00	S18101TT	OMEGA 5 or ELEGANCE TABLE PLATE

OMEGA 5 OR ELEGANCE TABLE

Line	Qty.	Catalog	
37	1.00	S18111BD	Long In Board Monitor Bridge with long rails GEMSAM

9'6- INBOARD MONITOR BRIDGE

Line	Qty.	Catalog	
38	1.00	S18121RD	228 by 578CM I.B RAILS

In Board Rails, 228 inches long, to be used with LCD Monitor Suspensions

Line	Qty.	Catalog	
39	1.00	E7016NH	CVI INJECTOR TABLE MOUNT

ACIST CVi Table Mounted Injector

The ACIST CVi System enhances ease of use, reliability and flexibility in contrast delivery. The adjustable control panel arm, X-ray synchronization capability, and easy-to-use, multi-procedure disposables increase both workflow and productivity. Responsive Angiotouch hand controller puts variable control of contrast volumes and flow rate at your fingertips. Responsive, variable rate delivery of contrast provides quality imaging with less contrast usage, which has been demonstrated to provide cost savings to the lab.

Line	Qty.	Catalog	
40	1.00	E7060A	OMEGA FOOT END TABLE RAIL (EA)

Omega Foot End Table Rail

This Omega footend table rail will help mount tableside controls and other accessories at the end of an Omega III vascular table to provide more tableside workspace for the physician and technologist, as well as improved access to the patient. A special adapter attaches to the existing side table rail, providing a standard table rail at the foot of the table. System controls can be placed at two locations for greater flexibility. It also allows easier table-end panning, as well as a location to mount a Smarthandle, IV controls and more. It is constructed of heavy gauge stainless steel, and measures 30.5 in. W with a 4 in. L offset and 14 in H posts with variable height adjustment. Also includes rail with mounting posts and two clamps for attachment to the side table rails...H

Line	Qty.	Catalog	
41	1.00	E6415J	TABLE CLAMP REMOTE PAN

X-Ray Table Clamp for Remote Panning Handle

FEATURES/BENEFITS

- Designed for an Omega cardiac/vascular table
- BIG AL clamp allows the operator to position the table remote panning handle at the end of the angio table on either the right or left side
- The location of the handle can be customized to meet the needs of the individual operator
- Option will support clinical studies such as TIP's procedures, or any procedure where the operator needs to position and operate the table from the patient's head and neck area

SPECIFICATIONS

- Metal clamp: 3" x 3" x 7" box weighing 6 lbs

COMPATIBILITY

- GE Omega cardiac/vascular tables

Line	Qty.	Catalog	
42	2.00	E3053JA	Mavig Single Pivot Lower Body Protector

Mavig Single Pivot Lower Body Protector Provides convenience, flexibility and enhanced protection for medical personnel. Helps shield technicians against scatter radiation from sources beneath the tabletop and also helps to protect the lower extremities. Flexible 0.5 mm lead equivalent curtains attached to aluminum alloy pivoting arm. The entire lower body protector can be easily and quickly removed from the table. Warranty Code H- 6 Months: Exchange of non-conforming products, which you return to us during the warranty period. Note: Installation, parts, applications training and on-site service is the buyer's responsibility. • One-piece economical model offers enhanced protection • Comes with single joint adapter • Measures 45 cm W W 73 cm L (18 W 29 in.) Upper portion is 17 cm H (7 in.)

Line	Qty.	Catalog	
43	1.00	E3053CH	Contour Shield 76 x 61 c

Contour Shield 76 x 61 cm (with center connect

Line	Qty.	Catalog	
44	1.00	E3053HE	LED3SC, single color LED surgical lamp

The tasks in examination and operating rooms are varied and require precision and efficiency. Lights from Mavig provide up to 130,000 Lux for an optimum illumination of the surgical field and at least 40,000 hours of life span.

Available as a single-color white LED, but always with a multi-faceted lens system to minimize shadiness in the light field.

Line	Qty.	Catalog	
45	1.00	E3053BC	Mavig Portegra2 360 Trolley with Ceiling Column - 58cm

Portegra2 3600 Ceiling Column w/ Carriage 58 cm

- Lower post allows 3600 rotation
- Upper fixed post is electric with 3300 rotation
- Each has a load capacity of 18 kg (40 lbs.)

Line	Qty.	Catalog	
46	1.00	E7018JZ	Mavig 2.5m Track without Cable Spooler

Mavig 2.5m Ceiling Track without Cable Spooler

The Ceiling Track is suited for use of ceiling guided accessories, including radiation protective shields, lamps, injectors, monitors, and other equipment.

FEATURES AND BENEFITS

- The unique structure profile ensures smooth running of the carriage
- With little force, the installed system can be moved and positioned
- The carriage glides smoothly, even after many years of routine use
- Adjustable cross-struts simplifies the system installation

Line	Qty.	Catalog	
47	1.00	E3053CC	2.5m Cable Spooler - requires E3053CM

Mavig 2.5m Cable Spooler for R-96 & Mach 3 Lamp

This Mavig cable spooler is used when the R-96 or Mach 3 lamp is track-mounted. The spooler yields and retracts the electrical cable as the lamp travels along the track, eliminating all dangling and tangled power supplies. Warranty Period- 6 months- Exchange of non conforming products, which are returned to GE during warranty period Note: Installation, parts, application training and on-site service are the buyer's responsibility

Line	Qty.	Catalog	
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48 1.00 E3053CM

Cable Holders and Stoppers for Ceiling Track

Mavig Cable Holders and Stoppers for Ceiling Track (used with Cable Spoolers E3053CC, E3053LT)

Line	Qty.	Catalog	
49	1.00	E4502SS	NR - X-Ray Warning and Room Lighting Control Panel

The X-Ray in use Warning and Room Lighting Control Panel provides an interface between the X-Ray in use warning lights, interior room general lighting, and the X-Ray system. The X-Ray in use portion of the panel provides low voltage control of the X-Ray in Use Warning Lights and the room general lighting is controlled by a pre-wired foot switch

- Designed and tested for GEHC products, for use in CT, PET/CT and X-Ray applications
- Can eliminate procurement inconveniences and delivery delays often associated with acquiring individual components
- Improves servicing safety by the eliminating of the warning light/room general lighting circuit from the imaging control system cabinet.

NOTES:

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

Line	Qty.	Catalog	
50	1.00	E6220J	INTERCOM SYSTEM FOR X-RAY

VIS-A-VIS Vitalinq Intercom System for X-ray

The VIS-A-VIS Vitalinq intercom system for X-ray is a two-way communication system that is designed to meet the specific needs that arise during diagnostic and interventional procedures. It enables physicians to have continuous two-way conversation with the control room operator during diagnostic and interventional procedures.

FEATURES/BENEFITS

- Capable of picking up conversation in a normal tone of voice, Vitalinq allows control room operators to respond immediately to physicians' requests
- Larger format and unique pyramidal construction of the microphones contribute to Vitalinq's high intelligibility, even within the acoustically active space of a full-functioning procedure room
- Designed to minimize the loss of articulation by reducing the potential echo path it gathers and transmits speech in a highly efficient manner

SPECIFICATIONS

- Dimensions: 24" x 24" x 20"
- Weight: 47 lbs.

NOTES:

- INSTALLATION IS THE RESPONSIBILITY OF THE CUSTOMER
- Warranty Period 6 months - Exchange of non conforming products, which are returned to GE during warranty period.
- Installation, parts, application training and onsite service is the buyer's responsibility

Line	Qty.	Catalog	
51	2.00	E7058AB	Anti fatigue floor mat gray 3x5x.625in

GE Anti-Fatigue Floor Mat (Gray 3x5 x 5/8")

Line	Qty.	Catalog	
52	1.00	W0302CV	TIP Vascular System Group 2 Training Program

This training program is designed for customers purchasing a GEHC Vascular system to include IGS6 and IGS7. 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 16 days)

- Virtual Inclusions may include:

- o Remote instructor-led training: Instructor leads a remote training session one-on-one or in a group, typically for 1 hour

- o Answerline Support-Access to GEHC experts for clinical, non-emergency applications assistance via phone or by using the iLinq button on the imaging console

- o Tip Virtual Assist-Direct interactive access to a GEHC expert for enhanced support.

- o On Demand courses-On healthcare learning system. Self-paced courses and webinars (CE and non-CE).

Onsite training days will be mutually agreed upon, but generally will not exceed 20 days. Onsite training will be provided from 8am-5pm local time Monday-Friday. Virtual Offerings are unlimited. This training program has a term of six (6) months commencing on Acceptance, where all onsite training must be scheduled and completed within six (6) months of Acceptance, and all Virtual Inclusions also expire at the end of such six (6) 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	
53	1.00	R0154RY	Innova Systems Service

Innova x100 & Innova IGS 5xO Systems Full Svc

Innova x100 & Innova IGS 5xO systems course is a 10 day instructor-led class. Equipment covered includes Innova 2100IQ, 3100IQ, 4100IQ starting at Harmony/Elegance configurations thru Innova IGS 520/530/540 including Optima versions. If purchase includes large display monitor, please purchase R0199RY. If servicing a Tilt Table please purchase R0188RY. This training doesn't include Innova 2000, which is covered in a separate course. Customer should complete XR Basic Service R0182RY & R0181RY as well as Vascular Basic Service R0195RY before attending Innova Systems. This course must be taken within 2 years from the purchase date.

Line	Qty.	Catalog	
54	1.00	R0175RY	INNOVA BIPLANE

The Innova Biplane class/lab is a 1 week course that introduces digital detectors to biplane cardiac and vascular labs and provides the instructional and hands-on opportunities for the student to acquire the fundamental competencies to effectively and safely service the Innova Biplane System. Prior to attending this course student must have completed Innova Systems course (R0154RY). This course must be taken within 2 years from the purchase date.

Line	Qty.	Catalog	
55	1.00	R0195RY	VASCULAR BASIC SERVICE

The Vascular Basic Service course consists of a one week in-residence class including class discussions and hands-on labs. It will equip the engineer with the theory and physics of vascular x-ray and the ability to operate and identify several GE Vascular systems at a basic service level. This course is a prerequisite to Innova Systems R0154RY. This course must be redeemed within 2 years from purchase.

Line	Qty.	Catalog	
56	1.00	R0211RY	DGS fundamentals web

Detection and Guided Solutions (DGS) Fundamentals Online service training is part one of a two-part training program. Part two is an instructor hands-on class/lab (R0212RY). This self-paced training program must be completed before attending the hands-on class/lab. This online course covers: X-ray principles, Radiographic components, Radiographic basic applications, Fluoroscopic Components, Fluoroscopic basic applications. Please visit our webpage to register: http://www3.gehealthcare.com/en/education/product_education_-_technical/ or contact us at: edservices@ge.com

Line	Qty.	Catalog	
57	1.00	R0212RY	DGS fundamentals Svc Trng

Detection and Guided Solutions (DGS) Fundamentals service training provides basic knowledge and skills necessary to perform service tasks on GE Rad, Fluoro, Vascular, and Mammo imaging systems. This is the second step in an integrated training program that includes instructor-led training sessions and online pre-work. This class will incorporate numerous GE XR systems enabling knowledge and service skills to be practiced and applied during lab activities. Please visit our webpage to register: http://www3.gehealthcare.com/en/education/product_education_-_technical/ or contact us at: edservices@ge.com

Line	Qty.	Catalog	
58	1.00	R0902CM	IIS Advantage Workstation 4.1/4.2 Service (web)

The Advantage Workstation 4.1/4.2 Training Program is an online eLearning Product. This Course will Cover the Following Topics: Safety, System Overview, Install/Configure, Troubleshooting, System Operation, and the Version Differences Between AW 4.0, AW 4.1, and 4.2. This Training will Support FEs as They Install the Advantage Workstation 4.1 and 4.2 Products Across Modalities. This course must be taken within 2 years from the purchase date.