Focusing on sustainability in Image Guiding Solutions

Allia™ Moveo

GE HealthCare

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

It is essential that we continue to drive progress toward early, precise, and accessible diagnosis and treatment of more patients. For the planet, it is critical that we do so with a reduced impact on precious and rare resources that are imperative to life. We believe that the advancement of precision medicine, greater digitization of healthcare, and increased access to quality care are fundamental to accomplishing this goal.

We support carbon policies that reduce greenhouse gas emissions and promote sustainable development. GE HealthCare has a goal to achieve net zero by 2050. An interim goal is to reduce our operational emissions (Scope 1 and 2) by 42%* and our Scope 3 emissions from purchased goods and services, upstream transportation and distribution, business travel, and use of sold products by 25%** by 2030 compared to a 2022 baseline. In 2024, we received validation on our updated goals from the Science Based Targets initiative (SBTi), a group of visionary corporate leaders taking ambitious climate action. As a result of these efforts, we want to enable a more sustainable health system by addressing not only the environmental impacts of our products but also the challenges healthcare professionals and their patients face with resilient, digital solutions.

We are committed to achieving net zero emissions by 2050.

We've set interim goals to reduce Scope 1 and 2 emissions by 42% and Scope 3 emissions by 25%* by 2030.**

* From a 2022 baseline year.
** Includes purchased goods and services, upstream transportation and distribution, business travel, and use of sold products from a 2022 baseline year.

Leading a new era in sustainability for a more resilient tomorrow

We’re creating a world where healthcare has no limits, helping to improve access to care and enable better patient outcomes.

Environmental
Using fewer resources for a healthier planet.

Digital
Transforming healthcare through innovation.

Resilience
Building flexibility and dependability across healthcare systems.

Allia Moveo helps create a more sustainable tomorrow

Our Image Guiding Solutions Allia™ Moveo* and its services help ensure clinicians and the patients they serve have the technology necessary to create a more sustainable and resilient tomorrow.

Reducing environmental impact

- Contribution to CO_2 consumption savings: Packaging volume and weight of Moveo gantry significantly reduced positively impacting cost and environmental footprint during transportation. Reduction of 30% and 31% of gantry packaging in weight and volume versus predecessor product (Discovery IGS).
- Maximizing your infrastructure: Better use of the built environment of the hospital requiring less reconstruction with efficient room set-up down to 28 m^2 (301 sq ft).

* Product may not be available in all countries. Refer to your sales representative for more information.

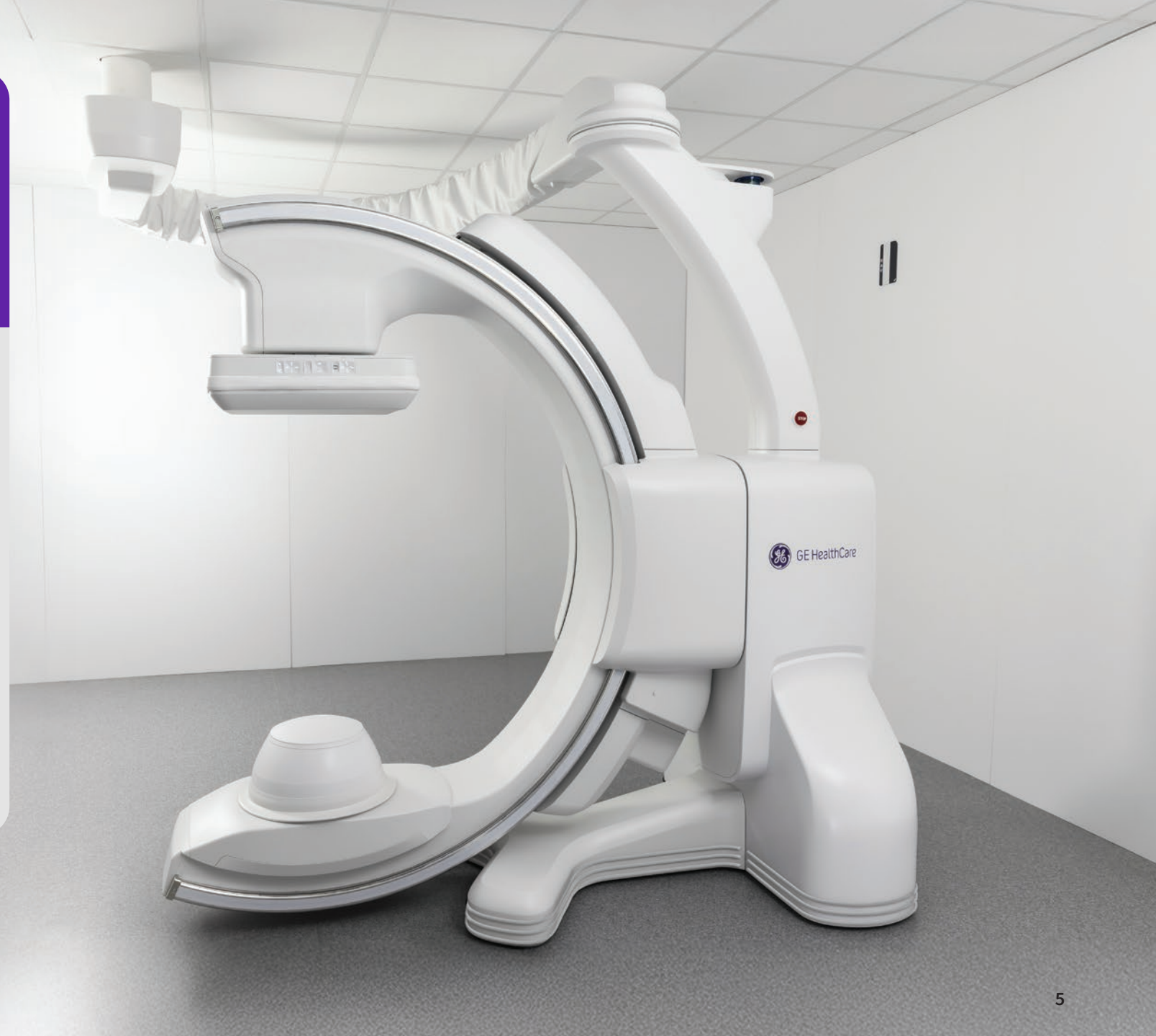
Allia Moveo helps create a more sustainable tomorrow

Improving care

With Allia Moveo, benefit from a system designed with unique agility and next-generation workflow with the goal of delivering optimal results, whatever the challenge.

- Designed to maximize mobility and flexibility for everyday performance.
- Designed to optimize dedicated user experience for comfort and efficiency.
- Designed to push the boundaries of imaging for better outcomes.

This free-motion compact system frees-up space and movement with the goal of enabling optimal patient access and improving user and patient comfort.



Contributing to a healthier planet

More than half of the healthcare sector's climate footprint, approximately 53%, is attributable to energy use[1]**.** As a result, we have strengthened our commitment to environmentally conscious design, and we are implementing more sustainable practices across our product manufacturing, sourcing, distribution, installation, and service operations. This includes improving energy efficiency, optimizing the use of limited or rare materials, providing digitally enabled service throughout the product lifespan, and offering refurbishment and recycling options at the end of product life.

GE HealthCare environmental management system is ISO 14001 certified	Our production and service operations align to ISO 14001 standards.

Materials

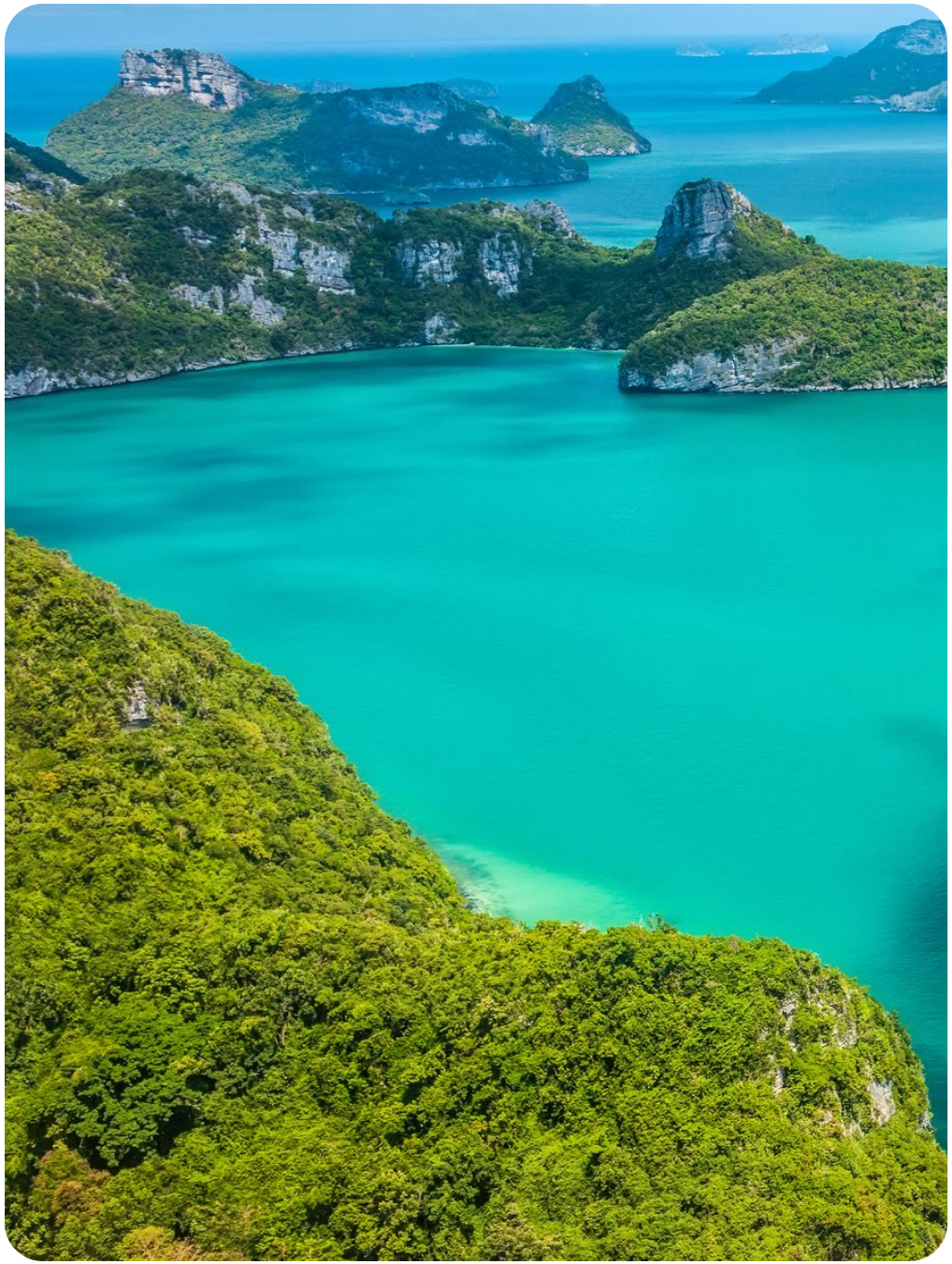
GE HealthCare reviews the environmental aspects of the material supply used within our products to increase recyclability and decrease the use of hazardous substances, when possible.

Recyclability	We're committed to high recyclability of our products and reuse when possible.
Reduce the use of hazardous substances	EU RoHS directive 2011/65/EU REACH (EC) 1907–2006

With GE HealthCare ASSIST[2] technologies, you may improve outcomes:

- EVAR ASSIST 2[3] helps achieve up to 99% radiation dose savings when fusing a pre-operative 3D model over fluoroscopy[4].
- Digital Zoom helps improve visual comfort without increasing radiation dose.

1. Health care climate footprint report | Health Care Without Harm (noharm-uscanada.org), based on 2019 report.
2. ASSIST solutions are composed of multiple medical devices. For more information, please refer to GE HealthCare's web site. www.gehealthcare.com/assist. ASSIST technologies are available on Allia platform including Allia Moveo generation and on many predicate platforms. Refer to your sales representative for more information.
3. EVAR ASSIST 2 includes FlightPlan for EVAR CT, EVARVision, and requires AW workstation with Volume Viewer, Volume Viewer Innova, VesselIQ Xpress and Autobone Xpress. These applications are sold separately.
4. Based on the dose of the procedure step needed using a CBCT acquisition to register pre-operative data vs. a Bi-View registration process. The stated dose reduction does not reflect the entire interventional procedure, rather to a specific step in the procedure.



Packaging and distribution

GE HealthCare imaging equipment has a robust and multi-sourced supply chain for systems and spare parts across our product portfolios.

Product packaging	**Incoming:** Returnable packages between suppliers and manufacturing.
	Toward the customer: Tube mounted in the factory, no need for dedicated tube packaging. Standardized and lighter technical room components (UPS, Power Distribution) with one UPS for all configurations.
Product transportation	86% air transport 0% ocean transport 14% truck transport 14% product transportation utilizes low environmental impact modes

Manufacturing

Through our environmental reviews, we also focus on implementing more renewable energy and reducing waste, when possible.

Product utilization

Our imaging products are designed to help enable energy efficiency through dedicated features and advanced applications to reduce the environmental impact. Ergonomic design can help to enhance health and potentially reduce environmental impacts, such as reducing waste and saving energy.

Ergonomically designed

Patient setup and positioning

A customized room set-up for greater autonomy with an IGS* control center for automatic set-up (Cart).

An intuitive and highly personalized interface thanks to new detector mounted controls:

- The direct access panel aims to provide all the main motion controls, removing the need for the operator to go to table side to move the equipment during a procedure.

* Image Guiding Solutions

Product utilization

Patient setup and positioning

A comfortable workspace thanks to controlled, optimal patient access and coverage:

- Full left-side access with optimal gantry positioning.
- Femoral access with easy head-to-groin coverage.
- Flexible arm access with integrated cabling that avoids external cable duct bending within the C-arm, improving access to the patient and avoiding potential contact with the patient.
- Effortless table panning for a free-floating like experience, whatever the patient weight[5].
- An easier CBCT* experience thanks to an extra-wide bore providing more space, figuring a distance of 96 cm +/- 1 cm (38”) of space between the tube and detector covers, and a 3D Tunnel of 90 cm (35.5”).

A personalized workplace that meets ergonomics standards of human upper body postures and gestures in 95% of the population, according to standards ISO 11226:2000 and BS EN 1005-4:2005+A1:2008, for typical working positions[6].

* Cone-beam computed tomography.

5. Based on the results of a survey with GE HealthCare employees (test with 2 different load 40 kg and 100 kg).
6. For 95% of population according to standard ISO 11 226, BS EN 1005 4, for typical working positions. Based on the results of GE HealthCare ergonomic study performed with simulation software with 3D manikin representative of the worst case (Anthropometric data for P5 female from Anthropometric reference from National center for health statistics (United States, 2011-2014. US department of health and human services).

Product utilization

Reduce staff burden

An intuitive and highly personalized interface for effortless panning and workflow:

- A personalized homepage with operator's specific needs and preferences.
- Increased operating comfort with smartphone-like interactions on the Touch Panel.
- A personalized workflow with 1-click access to your essential functions from any working position and with increased operating comfort using the Touch Panel.

Reduce noise

Allia Moveo is quieter than normal conversation[7].

7. System acoustic noise is measured at 48 dB(A) while normal conversation is 60 dB (A).

Product utilization

Guidance for product utilization	Instructions are provided for use of the equipment to minimize the environmental impact during installation, use, and operation.
Reduce energy consumption during standby mode	• System shut down is recommended when not in use. • Standby power mode results in a 20% reduction in energy when idle.
Power consumption	Off mode: 0.4 kW Standby (no scan): 3–5 kW Scan mode: 3.5–5.5 kW (5% of standby time)
Reduce consumable energy utilization	**The monopolar tube cooling technology is more energy efficient:** • No more CFC gas and cooling water consumption by using oil cooling only as compared to previous cooling technology.

End of product life

We are increasingly putting our retired products' materials back into the supply chain to maximize efficient use and minimize unnecessary waste. This circularity model enables our imaging products to extend their clinical impact through longer lifespans while reducing the environmental footprint. Additionally, we offer our customers support for upgrades and services throughout a product's lifespan, when available, to maintain optimal performance and help providers take advantage of increased functionality.

Our refurbishment programs involve an extensive inspection and testing process, designed to bring equipment back to its original certified manufacturing specifications. If the system is not suitable for refurbishment, eligible parts are harvested for reuse after quality and performance testing, while most of the remaining parts are returned to dedicated recycling facilities.

Guidance for end of lifecycle	Equipment instructions are provided to minimize the environmental impact for disposal or recycling.
Upgradeable hardware and software options are available for purchase as a solution to extend the product lifespan	**Software updates and new applications are also available:** • Continuity™ [8] allows the customer to receive regular software updates including enabling hardware, focusing on initial configuration for cost effective management within a planned budget. • Advanced clinical software options are also available standalone to benefit from recent innovations. • This sofware may also be available for previous generation systems[9].
Parts harvesting and refurbishment options are provided to reduce waste and environmental impacts while extending imaging access to less advantaged regions	Allia Moveo system parts are eligible for the parts refurbishment program, in which they are considered for harvesting to re-use as service parts, repair, or recycling[10].
Waste reduction	This system complies with Waste Electrical and Electronic Equipment (WEEE) regulations.

8. Continuity can be purchased separately.
9. Not all products or features are available on all markets and on all Image Guiding Solutions systems. Please contact a GE HealthCare representative for more information.
10. System parts are eligible for refurbishment, although whether a system is actually refurbished versus harvested for parts or otherwise recycled or reused, is dependent on the state of the system when GE HealthCare takes possession of it.

Digitizing healthcare through transformative innovations for a more resilient tomorrow

We are committed to investing in digital capabilities that help accelerate clinical decision making, optimize imaging operations, and drive efficiencies in exam workflows, all of which can improve patient outcomes. Enabling digital transformation will further enhance our predictive and maintenance service operations for the life of your products.

We are also dedicated to driving a more resilient and sustainable future in healthcare. Many factors, including the pandemic, climate-related weather disasters, and supply-chain issues amplified this need. Managing operations through these challenges requires resilience and perseverance.

Helping clinicians advance patient outcomes

Advanced applications and AI tools provide personalized data to drive actionable insights, helping healthcare professionals make fast, accurate clinical decisions for care pathways.

Enhancing image quality

High quality imaging:

- Precise visualization
- Automatic adjustment of acquisition parameters, processing and display
- Large field of view

Designed for effortless CBCT even on obese patients. CBCT becomes a reliable, consistent and seamlessly integrated part of daily clinical practice.

- Allia Moveo's features take CBCT image quality to the next level with CleaRecon DL by removing streak artifacts, without introducing other artifacts[11,12].
- In 94% of cases, CleaRecon DL[13] improves the CBCT image interpretation confidence[11,14].

11. When compared to a CBCT image reconstructed using a conventional technique. Based on a reader study of 110 CBCT datasets, including liver, abdominal, pelvic, graft, stent, head and other anatomy views. Each dataset has been reviewed by at least 3 reviewers independently. In total 13 clinicians were involved in the reader study (interventional radiologists, interventional neuroradiologists and vascular surgeons). CleaRecon DL and conventional reconstructed CBCT were compared side by side.
12. In 99% of reviewed cases, reviewers concluded that CleaRecon DL improves image quality by removing streak artifacts, without bringing other artifacts. Some streak artifacts may still be present.
13. CleaRecon DL is an option in 3DXR designed to be used with Allia systems and requires AW workstation with Volume Viewer. May not be available in all countries.
14. In 94% of the cases, reviewers concluded that CleaRecon DL improves or significantly improves the image interpretation confidence.

Digitizing healthcare through transformative innovations for a more resilient tomorrow

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Keep your imaging equipment up to date with advanced clinical applications

- ASSIST[15] technologies are options that can help improve outcomes.
- Augmented imaging with Embo ASSIST AI solution allows GE HealthCare users to perform prostate artery embolization (PAE) with a faster workflow and less dose to reduce:
  - Patient dose by 44% (Air Kerma) and 58% (Peak Skin Dose)[16]
  - Fluoro time by 27% and procedure time by 21 min (20%)[16]
  - PAE patient dose (DAP) by 70% and improve PAE technical success from 70 to 90%[17]

Drive advancements with precision health

Liver ASSIST Parenchyma enables a higher rate of complete tumor response (68%) vs. DSA alone (36%)[18].

Allia Moveo is designed to be open to other medical device integration.

Get control of the system of your choice, with compatible systems at table side, in a sterile environment:

- Vscan Air™ handheld ultrasound to use the Wireless U/S probe from table side.
- Allia x Boston Scientific AVVIGO™+ to control directly from the Allia Touch Panel.
- OmnifyXR™ Interventional Suite[19] for Virtual Reality experience.

15. ASSIST solutions are composed of multiple medical devices. For more information, please refer to GE HealthCare's web site. www.gehealthcare.com/assist.
16. Abstract No. 142 Impact of Virtual Injection Software on Radiation Exposure and Operative Time during Prostate Artery Embolization - Journal of Vascular and Interventional Radiology (jvir.org).
17. Abstract No. 227 Use of dedicated planning and guidance software results in radiation dose reduction in prostate artery embolization - Journal of Vascular and Interventional Radiology (jvir.org).
18. Cornelis FH et al. Hepatic Arterial Embolization Using Cone Beam CT with Tumor Feeding Vessel Detection Software: Impact on Hepatocellular Carcinoma Response. Cardiovasc Intervent Radiol. 2018;41(1):104-111.
19. OmnifyXR™ Interventional Suite is a MediView product built in collaboration with and currently exclusively available with compatible GE HealthCare systems.

Optimizing imaging operations

Our AI-based and advanced digital solutions are designed to increase efficiencies across the interventional spectrum without increasing the administrative and training burden on clinicians and technologists.

Increase productivity and consistency

Allia Moveo is designed for effortless CBCT 3D imaging :

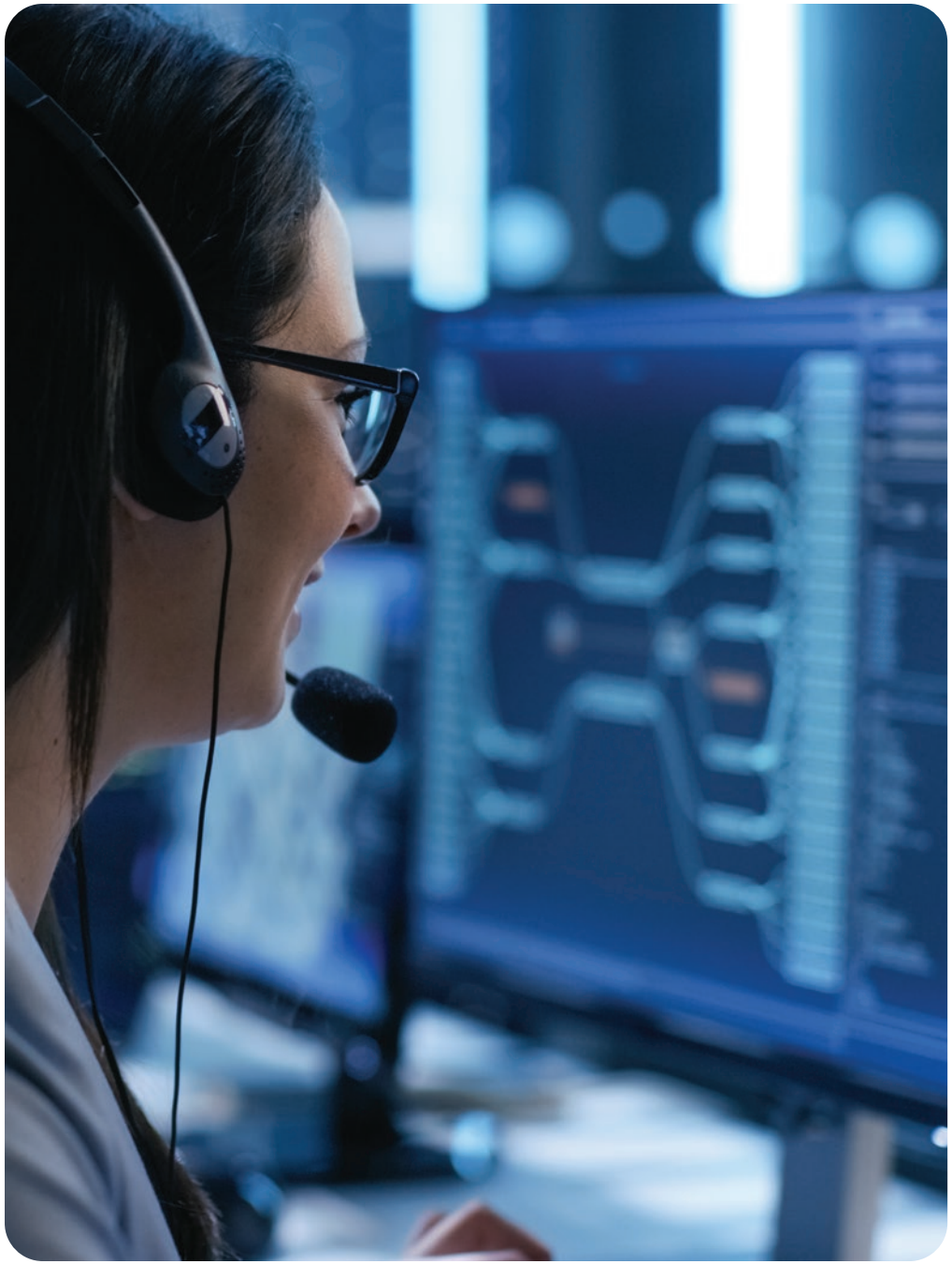
- Easier, collision-free, 3D acquisition, including off-center.
- Consistent CBCT whether frontal or lateral.
- Recall predefined 3D CT acquisition parameters.
- Seamless workflow.

In 98% of cases, CBCT images reconstructed with CleaRecon DL[20] are clearer than the conventional CBCT images[21,22].

Continuity™ [23] to benefit from the latest functionalities:

- Give access to the latest capabilities.
- All assets to run on the latest software version, interventional training and operations simplified.

20. CleaRecon DL is an option in 3DXR designed to be used with Allia systems and requires AW workstation with Volume Viewer. May not be available in all countries.
21. When compared to a CBCT image reconstructed using a conventional technique. Based on a reader study of 110 CBCT datasets, including liver, abdominal, pelvic, graft, stent, head and other anatomy views. Each dataset has been reviewed by at least 3 reviewers independently. In total 13 clinicians were involved in the reader study (interventional radiologists, interventional neuroradiologists and vascular surgeons). CleaRecon DL and conventional reconstructed CBCT were compared side by side.
22. In 98% of the cases, reviewers concluded that CleaRecon DL provides a clearer or significantly clearer image.
23. Continuity can be purchased separately.



Optimizing imaging operations

Reduce downtime

Maximize system uptime with proactive services to prevent events before they happen:

- OnWatch™ remotely monitors various system parameters and signals potential errors and malfunctions to proactively initiate a corrective action.
- 10% less unplanned downtime on average for the whole system with OnWatch™ [24].
- 53% less time elapsed before resuming your patient exam schedule[24].

Cybersecurity

GE HealthCare's Design Engineering Privacy and Security (DEPS) process follows GDPR, HIPAA, NIST 800-53, NIST 800-30, ISO 27001, and NIST CSF requirements.

24. Source: presentation-lifecycle-solutions-IGS-detailed-ser-JB32458XX.pptx

Enabling intelligent exam workflows

Intelligent automation features help to drive consistency, enable fast, easy exams, and improve workflow with fewer resources.

Ease of use

Allia Moveo is designed for precision in motion with intuitive and optimal gantry positioning:

- SmartMove fully automated movement is activated from the push of a button on the Touch Panel and allows to bring the C-arm back to its original position.
- Allia Digital Twin provides a real time 3D representation on the LDM (Large Display Monitor) of the system and is designed to intuitively optimize setup of gantry and table.
- Free motion space around the patient up to 26 m^2 thanks to multi-parking capabilities.
- Drive back-In or backout by yourself from the detector interface to cover the arm, without having to rotate the table or the patient.

Cleanability

Our equipment is designed to be cleaned and disinfected easily. We continue to test and approve new cleaning and disinfecting agents. Visit *Cleaning.GEHealthCare.com* for updates.

Hygiene and cleanability facilitated:

- Gantry simple surfaces with no cable ducts.

Creating a healthy world to help enable better patient outcomes.

GEHealthCare.com/about/sustainability

Not all products or features are available in all geographies. Check with your local GE HealthCare representative for availability in your country. Commercial availability of GE HealthCare medical systems is subject to meeting local requirements in a given country or region. Not all features are included in the standard system configuration.Contact a GE HealthCare representative for more information. Intended for healthcare professionals only.

GE HealthCare