

THE DIGITAL REVOLUTION

esaote.com/healthcare-it



**ENTERPRISE
IMAGING**



 **suitestensa**

Enterprise imaging software solution

**The digital
revolution.
New, connected
healthcare
ecosystem.**

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Ebit is the Esaote's Healthcare IT Company focused on Enterprise IT software systems for seamless integrated workflows processes in multiple departments, enterprise and regional network architectures to facilitate information sharing.

Italian market leader and among the main players in Europe and worldwide, Ebit is specialized in producing IT systems: VNA, PACS, RIS, CVIS.



Suitestensa platform is the most complete Diagnostic Imaging Software for workflow management, from Modality to Enterprise IT systems, implementing Structured Report, 3D/4D image processing, Quantitative Analysis software, multiplatform Mobile & Cloud Solutions for clinical collaboration and results distribution.

Suitestensa. An extensive sui products

Suitestensa provides Vendor Neutral Enterprise Archives, to ensure broad compatibility and interoperability of products and technologies and managing DICOM and non-DICOM images.

Suitestensa achieves transversal data administration and vertical focus on clinical aspects, for a real pathology's prevention, diagnosis, therapy, treatment and follow up in Radiology and Interventional Radiology, Breast Imaging, Nuclear Medicine, Radiotherapy, Orthopaedics, Cardiology (Cath-lab, Echocardiography), Electrophysiology, Check-ups), Cardiovascular Surgery.

Beyond Enterprise in Healthcare IT

Our Vision is a patient-centric digital Healthcare Enterprise looking beyond, facilitated by optimized clinical workflows, relieved of redundant costs, improved by advanced information solutions, and increasingly keeping the focus on preventive, diagnostic, therapeutic patient's well-being. We are committed to enhance multi-disciplinary health services and multi-territorial data sharing, simplifying information mobility and telemedicine challenges.

Deliver Technology Ahead

Ebit's mission is to assist health operators anticipating their evolving needs. Ebit aims at supporting healthcare professionals with streamlined filmless and paperless workflows, advanced clinical applications and effective integration of all software and modalities, thanks to an equipment vendor-agnostic approach.

Cut down response time: Customer Care is the key driver

Remote and on-site assistance and real-time monitoring, technical application support, training and education, maintenance: thanks to its Project Management, Field Engineering, Customer Service and Maintenance Teams, Ebit provides assistance to customers, through pre-post-sales courses and 24/7 on-site maintenance service.

Keep patient data flowing smoothly

With a customer base of +400 hospitals world-wide, up and running in some of the largest enterprise installations and interfacing with +200 different hospital, clinical and legacy information systems, Ebit is tailored-to-customers' needs thanks to dedicated R&D and Integration Engineers Teams for whom each solved challenge becomes an achieved improvement for Suitestensa as a whole.

A Digital Healthcare careful to People and Resources

PACS & VNA systems allow to manage and share all medical information among healthcare IT networks. The benefits for patients are huge simplifications of services' access, the realization of their EMR and qualitative clinical diagnosis. The benefits for healthcare providers are streamlined organization, reduced hospitalization and costs, optimized services via the web and mobile devices.



Suitestensa bridges RIS, PACS, VNA and applications, gathering the diagnostic environment and user interface

Suitestensa RIS

Increase workflow efficiency of medical, administrative and technical staff

Suitestensa RIS is the all-in-one solution for the effective implementation of filmless and paperless hospitals. With its customizable workspaces and complete Structured Report system, Suitestensa has changed thinking reporting, managing exams and images from booking to report, up to the distribution of information to external-to-radiology health services.

- Pure Web technology
- Patient Folder and complete digital filing of the study: additional documents can be filed and scanned in attachment
- Patient Cards electronic reading of different National Healthcare Systems
- Best-in-class voice reporting system
- Graphometric signature for patient's informed consent acquisition, in full accordance with national legislations (i.e. Italian DPCM 22/02/2013, implementing the Digital Administration Code and Prescriptive General Measure in Biometrics Issues, 12/11/2014)

- Vendor independent streamlined workflow standard and customized integration with your own HIS, NHS reservation centers, Order Entry, ADT, Emergency, Repositories
- Integration with Radiation Dose Management Software and Contrast Media Management Software.

Interventional Radiology

Clinical and procedural functionalities for Interventional and Endovascular

The pervasive, smooth and extra-radiological approach, to cover the needs of all those who make use of radiological images.

- Quick data collection during reporting with structured reporting tools specific for all anatomical districts
- Inventory and stock management, lot and consumables' usage tracking by bar code reader
- Data extraction engine
- Digital Subtraction Angiography and Edge Enhancement filters.

Interactive Graphic Angio Atlas for true Anatomy measurements

The Angio Atlas with complete vascular district maps for stent, stenosis, aneurysm mapping on aortic arch branches, thoracic aorta, inferior limbs, renal arteries and abdominal aorta district.

- Segments can be created, deleted and moved (including external or intracoronary bypasses)
- Default and customizable maps with free text entry and zoom/pan tools
- Stenosis characterization (irregularity, presence of calcium, thrombi, forks, collateral circuit, bore of the stenotic branch)
- Adjustment of any eccentricity.

nostic process into a single

Suitestensa PACS

The Enterprise-level qualified hospital workflow Suitestensa PACS is the enterprise system for image acquisition, archiving, distribution and management over local or remote networks of multi-departmental and multi-site healthcare centers. It integrates with HIS and all imaging modalities thanks to DICOM, HL7 and FDA-XML standards, supporting systems' interoperability and avoiding data duplication.

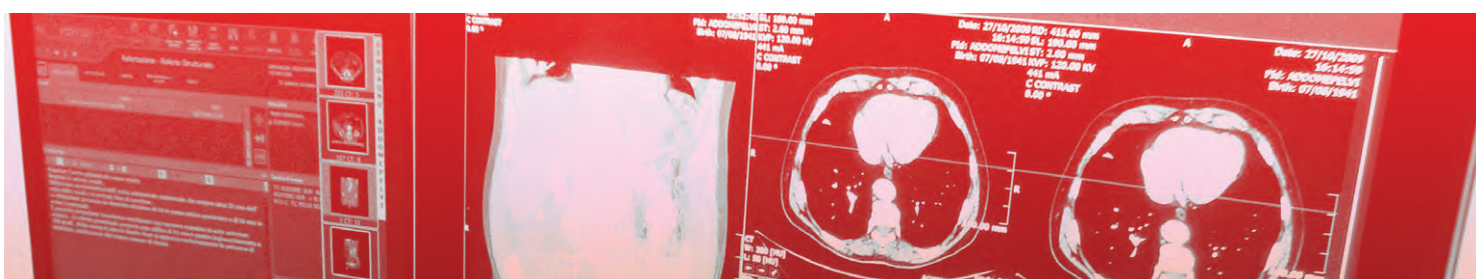
- The newest Metadata Management: metadata preservation, differentiated between DICOM images and PDF reports
- Scientific archive
- DPA - Legal Archiving (according to the most recent European and Italian regulations, such as DPCM 3/12/2013)
- Disaster Recovery and Business Continuity architectures.





**From Prevention to Therapy:
turn images into clinical decisions**

Suitestensa Review



Suitestensa Review is the 2D, 3D & 4D enhanced viewing, managing and processing to facilitate clear communication

- CT, MR, NMR, CR, DR, DX, RF, US/Echo, XA, etc., with predefined and user-defined reading protocols
- Basic and advanced tools for display of images, measurements and analysis, processing
- Operations on series (image tagging, sorting, navigation and synchronization, presentation states)
- Clip mode for dynamic images, with playback control and digital slow motion
- DICOM/non DICOM export of key images, groups of images, series, studies, videos
- 3D native hanging protocols
- 3D processing tools
- Real time double-oblique and orthogonal MIP and MPR, straightened MPR, CPR
- New series creation
- Removal of rib cage, cot, bones
- Vessel analysis: Vessel length, centre line, lumen diameter and volume, stenosis lumen computation.

Complete Structured Report system: increase the content, structure your report analysis, share images, observations and measurements

- Customized report templates, with structured data, specific for each clinical application
- Easy access to patient clinical history
- Automatic measures transfer into final report
- Possibility to include key images into the report
- Free text and/or customizable coding and classification system.



Enable zero footprint instant updates to
your patients' overall clinical picture

Suitestensa Enterprise Archive

VNA clinical repository, for Patient-Centric multi-departmental cross-communication and clinical collaboration

The single point of information access for all the healthcare IT applications connected, designed to store and manage DICOM and non-DICOM information from other Specialties IT systems across the healthcare enterprise and allowing PACS and other IT solutions to be interchangeable.

- Open standards (DICOM, XDS and XDS-I, HL7)
- Management of non-DICOM data objects, such as documents, digital prescriptions, reports, cross-departmental data; images video and audio
- Mobile Capture of images and documents
- Elimination of future data migration and/or conversion of data formats
- Hardware agnostic
- Web & Mobile Access through a Universal Viewer.

Suitestensa Web & Mobile

Decision-support, high-quality services, security and data confidentiality at your fingertips

Suitestensa Web & Mobile is the Universal Viewer providing access to imaging information for clinicians at any point of care.

- True agnostic mobility: any browser, any device, running on Windows and Mac OS operating systems, IOS & Android
- App for iOS and Android mobile devices
- Zero-foot print technology: no local installation, no data download. Images are streamed and no cache data remains on the device
- Clinical tools for interactive 2D, 3D & MIP/MPR, 3D Volume Rendering
- Cine-sequences of multi-frame playback and Digital slow motion (XA, US/Echo)
- Collaboration tools: see and speak with other doctors while viewing images together
- Access to DICOM and Non DICOM data stored in Suitestensa PACS or Archive, or in 3rd party PACS
- Integration with hospital patient folder or with Suitestensa patient folder for internal distributions of results and with Suitestensa Patient Portal or 3rd party portals for distribution to specialist physicians, GPs and patients
- FDA cleared for diagnostic use; CE medical device classification, class IIa.

Ebit

Enterprise Imaging



Teleradiology on the forefront of E-Health scene for cost-effective Public Health

Suitestensa Cloud Services

The virtualized Suitestensa environment that does not require local space or additional servers and helps reducing costs

Share your data and workflow: become more cost effective avoiding in-house space for physical infrastructure, costly software upgrades or hardware replacements. It will be easy to collaborate with others and for systems to collaborate with each other: having everything accessible in the cloud, all the time, allows for anytime access for anyone of the team.

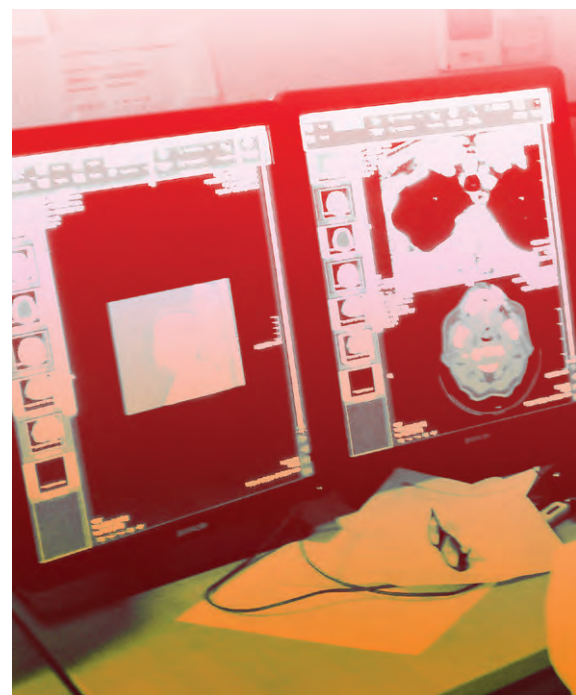
- Remote long-term storage, data protection and disaster recovery
- Pay-per use service model
- Scalable infrastructure
- Possibility to realize hybrid solutions, for a quick data access also in case of non-optimal broadband connectivity.

Suitestensa Tele-Reporting & Consultation

Report remotely and share real-time diagnostic images, delivering the most specialized consultation and immediate lifesaving care

Tele-Reporting & Consultation is the pure web system allowing remote viewing, reporting and consultation of studies generated into Suitestensa RIS or CVIS systems.

Specifically designed for Emergency, it makes it quick, and complete the exchange of data in real time, allowing the Doctor to build and send in a few minutes a structured depiction of the case and to receive, from the Tele-Specialist, all the information, images (even post-processed), and reports (with legal value) completely traceable and archived into the hospital central repository: you can now reduce those crucial minutes in which the response of the Specialist, received "within the first 30 minutes" from the adverse event, can save or change the patient's life.





Suitemensa Patient Portal

Patient engagement strategies help improve both clinical and financial results, promoting collaboration, communication and greater patient satisfaction

Meet patients' needs providing home health quality services: patients will be able to access their exams from home and from any mobile device, improving timeliness in report delivery and equity care to those who may suffer from impaired clinical conditions. Avoid CD/DVD publishing, maximize the efficiency of your staff and reduce administrative burdens with medical record web distribution to Patient.

Patient Portal is compliant to Italian regulations about reports on-line (DPCM 8/8/2013) and assure a secure and private access to data. It can be used as a stand-alone RIS/PACS Patient Portal or being integrated with existing hospital portals.

- View, print and save reports
- View and download images of the study, in diagnostic and non-diagnostic quality
- Share clinical results with physicians and specialists
- Revoke data publication or sharing at patient's choice.



Suittestensa MG. Breast imaging

Mammography Information System and PACS for breast cancer screening programs and mammography clinical workflow.

MG Screening

All Patient's history in a unified working environment fully customizable

- Integration with Regional Screening Programs in HIS, RIS PACS environments
- Full administrative tools
- Structured representation of anamnestic data
- Structured Reports with BI-RADS codes
- Configurable report templates
- Full Access to previous examinations and clinical patient history
- Alerts
- Process review with automatic third reading or arbitration
- Reassignment of a temporary/pending reading to another operator, and final validation
- Real time monitoring of the reading process status
- One-click, external ergonomic Mammo Keypad.

Straight-to-images, Double-Blind Structured Reporting

Together with all the functionalities of Suitestensa Review, Suitestensa MG features particular attention to an ergonomic, functional and automated comparison with images of previous studies.

- Double-blind reading protocols and customizable reporting according to the rule “multiple accesses/unique examination”
- Evidence digital mark-up and insertion of annotations performed directly on the diagnostic images
- Automatic comparative examination of the current and previous study with dedicated Current/Prior workspace, even belonging to different series and different patients.

MG Imaging

A dedicated Mammo Workspace for advanced visualization and post processing

- Mammography CAD results (SR visualization and management of CAD findings, ON/OFF display of the findings)
- MG Navigator tool, to sequentially display the different sections in which the image is automatically divided
- Ergonomic workspace selection for RMLO-LMO/RCC-LCC
- Simultaneous scrolling and symmetrical panning for images that belong to the same series and which have the same type of acquisition but are of opposite laterality
- Alarm warning of any hidden image related to images displayed
- Vertical alignment and auto-zoom to the chest wall, True Size mode (monitor size equal to body size)
- Magnification, rotation, mirroring, inversion (chest wall justification, symmetrical lens, reverse)
- Contrast-enhancement filtering
- Overlays, remarks texts, signs and ROI measurements, even for statistical purposes (calibration, angle, distance, density, ROI, area, etc.)
- IHE Mammo Profile: Patient Orientation, Image Laterality, View Code Sequence, View Modifier Code Sequence
- DICOM IHE interoperability/integration with different modalities (CR/DR Mammograms, Breast US, Breast MR, Breast Tomosynthesis).

Breast Tomosynthesis

Breast Tomosynthesis reading tools integrated in Suitestensa MG, for clinically significant improvement of interval cancers detection

- User configurable Hanging Protocols to display and compare 2D and 3D images
- One-click switching between 2D mammographic and 3D tomosynthesis display modes
- Navigation through the volume, both in cine mode and manual scrolling
- Vendor-neutral approach (DICOM BTO and CTO fully support).



Ebit S.r.l.

Via Enrico Meloni, 77 • 16152 Genoa, Italy
Tel. +39 010 6547 464, Fax +39 010 6547 465, info@ebit.it

Via di Caciolle, 15 • 50127 Florence, Italy
Tel. +39 055 4229 1, Fax +39 055 4229 208



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Diagnostic Clearance

Ebit obtained rigorous diagnostic clearance from governing organizations. The product portfolio consists in a wide range of DICOM and HL7 compliant solutions for effective management of medical images in paper and filmless hospital, all conforming with IHE interoperability project. Suitestensa RIS CVIS PACS, manufactured by Ebit complies with the Medical Device Directive (MDD) 93/42/EEC as amended by the 2007/47/EC directive. In accordance with this directive, Suitestensa RIS CVIS PACS is classified as Class IIa devices.

Security

Ebit is committed to cooperating with our customers in their efforts to comply with security and privacy laws and regulations adopted by the various countries in which our products are sold, including for example HIPAA in the U.S.A., the EU Security Directive in Europe, etc.

Technology and features are system/configuration dependent.

Specifications are subject to change without notice.

Information may refer to products or modalities not yet approved in all countries.

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Germany

Esaote Biomedica Deutschland GmbH
Max-Planck-Straße 27a
50858 Köln
Tel. +49 2234 688 5600
Fax +49 2234 967 9628
info@esaote.de

Spain

Esaote España S.A.
C/. Pont Reixat, 5
08960 Sant Just Desvern, Barcelona
Tel. +34 93 473 2090, Fax +34 93 473 2042
info@esaote.es

UK

Esaote UK
14, Cambridge Science Park
Milton Road, Cambridge, CB4 0FQ
Tel. + 44 1223 424499, Fax + 44 709 288 0231
infoUK@esaote.com

Brasil

Esaote Healthcare do Brasil
Rua Geraldo Flausino Gomes, 78
CEP: 04575-060 São Paulo - SP
Tel. +55 11 2789-0400, Fax +55 11 2789-0432
comercial@esaote.com.br

Argentina

Esaote Latinoamérica S.A.
San Martín 551, Cuerpo 'C', Piso 8, (C1004AAK)
Buenos Aires
Tel. +54 11 4326 1832, Fax +54 11 4328 1245
info@esaote.com.ar

Hong Kong and Far East

Esaote China Ltd
18/F, 135 Bonham Strand Trade Centre,
135 Bonham Strand, Sheung Wan, Hong Kong
Tel. +852 2545 8386, Fax +852 2543 3068
esaote@esaotechina.com

