

MILLENSYS

Infinite Ideas

Integrated Solutions for

Radiology
Cardiology
Women Health
Oncology
Orthopedics
Gastrology
Gynecology
Teleradiology
Telemedicine
E-Health

Vision, that has no limit



www.millensys.com

MILLENSYS



Who we are ?

MILLENSYS is a leader in healthcare and business IT solutions. Since the beginning of the third millennium MILLENSYS worked contentiously to improve and expand its product line by introducing innovative ideas to complete its product portfolio for the medical imaging and IT market.

MILLENSYS portfolio includes the following working area

- PACS / RIS solutions for radiologists.
- EHR / EMR solutions for hospitals, polyclinics and medical practices.
- VNA universal archive solutions.
- Teleradiology projects / mammography mobile screening solutions.
- PACS workstations for professional image diagnosis
- Advanced visualization workstations for CT/MRI.
- Acquisition workstations for non-DICOM to DICOM conversion
- Medical Disc publishers to automate archiving on CD/DVD
- DICOM Print Servers to print on papers instead of films.
- Cardiology PACS and reporting solutions
- Mammography PACS and reporting solutions .
- Gastrology PACS and reporting solutions
- Integration solutions to integrate HL7 and DICOM applications

Diagnose

Archive

Vision
Tools

EHR
VNA

Integrate

3D

2D

Acquire

Report

Financial

PACS
RIS

Telerad

Publish

Print

ERP

CRM

MILLENSYS,
The right partner
to your success

Our Quality

ISO 13485:2003
FDA (510K)
CE
IHE
HIPAA

MiClinic

Web based EHR / EMR Solution

MiClinic is a professional management, workflow and productivity improvement application for any hospital, polyclinic or medical practice,

MiClinic handles patients scheduling, admittance, billing, examination producers and results, prescriptions, reporting, accounting and material management as well as a full back-office financial management including financial reports, general ledger, account receivables, account payables, supply chain management and human resource management.



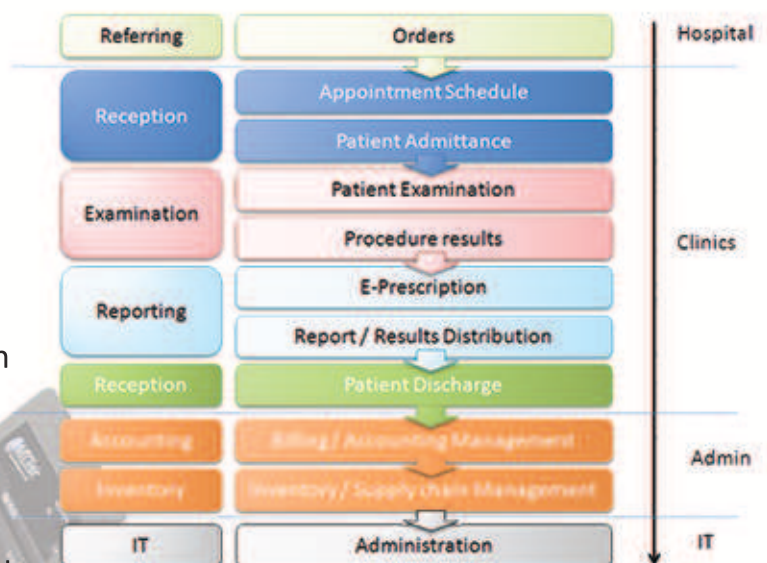
All-in-One Management Solution
for hospitals, polyclinics and medical practices

Front End

Scheduling and Admittance
Receive Orders from HIS
Patient History and Tracking
e-Prescription / Template Reporting
Document Import and Scanning
Sending Reports to HIS
Billing and Material Management
Complete Workflow Management
Performance Statistics Reports
DICOM Modality Worklist Distribution
HL7 Integration with HIS

Back End

Financial Management (GL, AP, AR)
Supply chain / Inventory Management
Human Resource Management
Single Node Web Administration



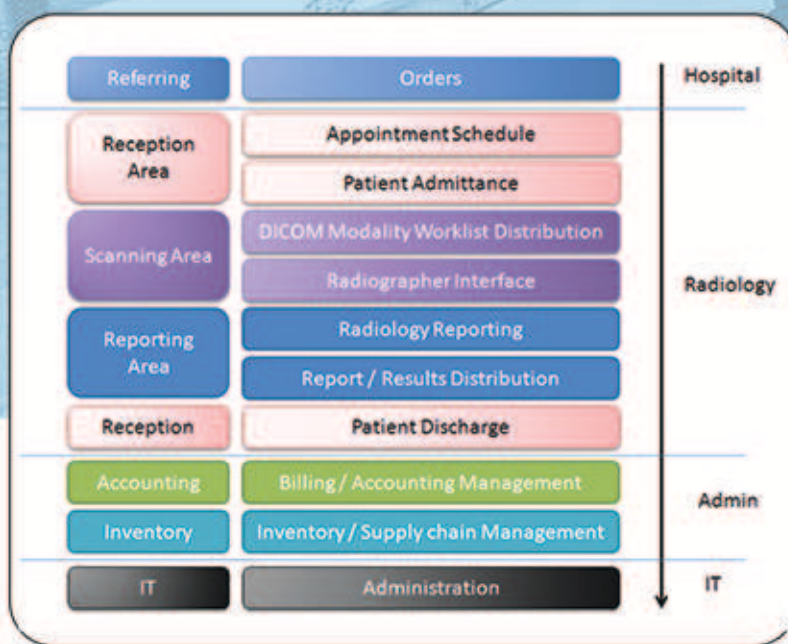
MiRIS

Radiology Information System

MiRIS is a powerful web based / enabled radiology information system that suits the radiology and imaging departments in hospitals and imaging centers.

MiRIS handles patient scheduling, admittance, billing and accounting, inventory and material management. MiRIS is integrated with MiReport software to help in writing reports quicker and as much professional as possible.

MiRIS is designed for the enterprise environment and supports multi-site connectivity and integrated with any other systems (PACS/HIS).



Reception

- * Visual calendar for easy and fast scheduling of patients.
- * Rule based worklist distribution to all DICOM and non-DICOM modalities and multi-lingual translation of names (e.g. English/Arabic left/right) using smart dictionary to Latin names to be distributed to modalities.



Billing Management

- * MiRIS handles cash, credit, insurance, payment methods etc. and generates cash flow and net income reports to ease managing the imaging department.
- * Multiple accounting reports for performing, referral physicians and insurance companies are easily generated with MiRIS.



Inventory/Material Management

- During daily operations, at the modality room, the operator can have a MiRIS terminal to manage worklist, job orders and inventory consumptions. Also, it is easy to monitor the items added, returned, wasted and generate alarms for items reaching expiry dates to ensure daily operation consistency.

Vision Tools **Workspace** PACS / VNA

The all-in-one web-based imaging and reporting solution for enterprise and cloud computing environment using a state of the art streaming / dispersion technology to speedup image transmission over low bandwidth lines.

Truly Web Based Application
Independent of OS or Internet Browsers
Single Login for PACS/RIS/Report
Share images, clinical notes and reports
Consult second opinion on the web
Roaming user profile
Visual / Automatic Hanging Protocols
Display static and dynamic studies
Multi-Study comparison
Orthogonal, Oblique and Curved MPR/MIP
Slice Locator / Pilot Image for CT/MRI
Image Stitching for CR/DR studies
Printing on DICOM and Windows Printers
Publishing CD/DVD with built-in Viewer
Radiology and Cardiology Measurements
Image Processing and Annotations
3D Reconstruction and Fly-Through
Vessel Analysis and Virtual Colonography
Template and Structured Reporting
Voice Dictation and Speech Recognition
View EMR/RIS Scheduling and Orders
Supports WADO, XDS, HL7 Integration
Single node administration

Single GUI for All users



Available Models

Cloud Computing
Grid Computing
Client / Server

Archive

Archive images, reports, DICOM and non-DICOM data and more.



CE
FDA 510(K)
IHE Connecathon



Access data from anywhere and from any device.

Access

Doctors Worklist management	Advanced Viewer for diagnosis	Zero-Foot-Print Viewer for clinicians	Report from anywhere	View and Report from Tablets and mobiles
Share Clinical Notes	Share studies with consultants	Patients Portal	Referring Physician Portal	Teaching Portal
Support multiple internet browsers.	Support (Win, Mac, iOS Android, etc.) devices	Heart-Beat Monitoring	Web-based Administrator	Rule based archive, compression, and routing

For Radiologists

View / compare studies with smart hanging-protocols aided by many tools for diagnosis (i.e. MPR,3D) and do professional reporting directly from PACS.

For Cardiologists

View large dynamic cardiac studies in fast and easy way and do structured reporting directly from the PACS

For Clinicians

Access images, reports and other non-DICOM data from the PACS/ VNA from any Device in a truly web based environment inside or outside the hospital

For Radiographers

Manage huge amount of image and data in an easy way, do quality control on images and study info., process, print and publish studies or discs or films.

For Patients

Access images and reports from anywhere with any device (notebook, tablet, smart phone).

For Engineers

Manage and administrate a complex solution from anywhere with an intuitive web based administrator



The Workspace PACS is working as independent of INTERNET browsers (i.e. INTERNET explorer Firefox , Google Chrome , Apple Safari , Opera Browser)



Workspace is operating system independent application (i.e. Apple iPad , iPhone , android tablets and mobiles, windows. Mac and other operating systems).





Vision Tools

Vision Tools MultiView/Workspace workstations are considered as the most powerful Web PACS diagnostic station of the Vision Tools family of products. Providing that it can handle all modalities, Vision Tools MultiView or Workspace software is powered with huge tools and facilities to support different users demands and almost all the different modalities in the hospital or imaging center in an easy and efficient way.

Radiology



Compare current and prior studies
Do windowing, zoom/pan, annotations, multiple measurements, scan-lines and triangulation for CT/MRI studies.
Advanced MPR/MIP and 3D VRT for CT studies with vessel analysis and virtual colonography.
Built in advanced reporting tool to write reports, select from normal templates and update just the abnormalities.
Voice dictation and speech recognition reporting are supported.

Mammography



Mammo. Hanging protocols for comparison
Mammography CAD overlay
Auto crop of image surrounding
Smart inversion of image without background

Blind reading reporting methodology for mammography reporting.
Dedicated Structured reporting tool for mammography studies with display of patient information, clinical history, procedures, findings and recommendations

Cardiology



View all Echo, Cathlab, Cardiac CT Studies
Scan ECG and other waveforms printouts

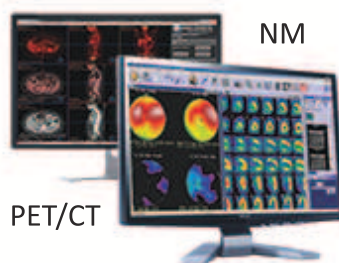
Complete reports for coronary catheterization and interventions.
Guidance through procedure and post-procedure notes.
Coronary Anatomy Editor. with automatic reporting scripts pre-stored in the system.

Advanced Visualization



Vessel Analysis
Coronary Analysis
Calcium Scoring
Virtual Colonography
2D/3D PET/CT Fusion
Multiple MPR / MIP
Volume Segmentation
Fly-Through Navigation

Oncology



PET/CT

NM

Fast Access to Large Studies
2D/3D Fusion with SUV Analysis
Seamless PACS Integration
Volume/Bone Segmentation
Vessel Segmentation
Multiple MPR / MIP Views
Color/Gray Volume Rendering
3D Annotations / Bookmarks
Volume Editing / Cine-loop Recording

Gastrology



Connect any endoscope to PACS
Triggered by the scope control keys
Recording on CD/DVD with viewer.
Printing on DICOM and A4 printers
Structured reporting with pre-configured data and image selection.
Wireless remote control operation
Image acquisition and cine loops recording
Image processing and annotations
DICOM Send, Q/R, Print, WL/MPPS options

Teleradiology

MILLENSYS teleradiology solution is a comprehensive solution that facilitates remote diagnosis from anywhere in the globe. Using web based/enabled state of the art technologies to distribute images and reports across large geographic area, thus enabling few radiologists to serve large number of hospitals and imaging centers.

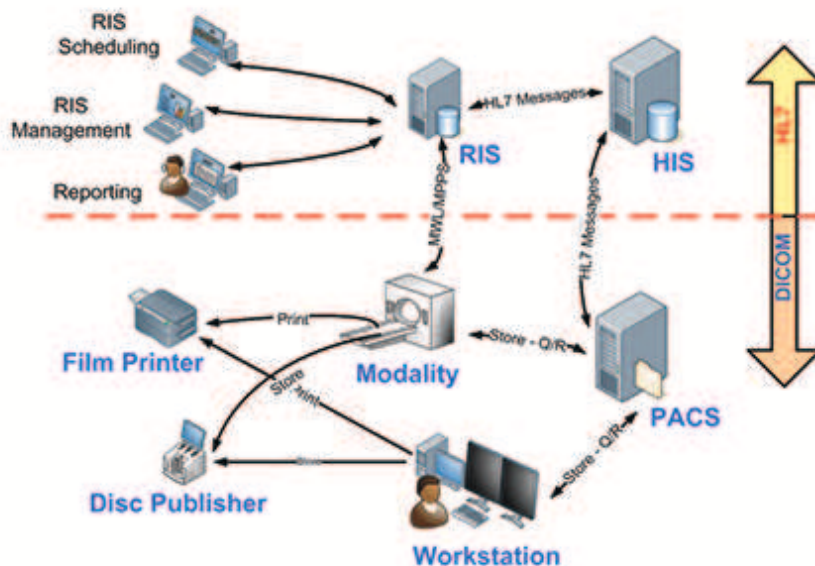
The solution supports both push and pull concepts where the radiologists can download studies directly from the hospitals then diagnose and send the report back to the hospital, Or, hospitals can send the studies acquired automatically to the remote diagnosis area to be reported.



- Web based image/report transmission with JPEG2000 compression
- Streaming and dispersion of INTERNET traffic to speed-up image delivery over low bandwidth lines and GSM networks.
- Round trip time calculation for images and reports to ensure on-time delivery
- Web based billing system to generate financial bills for service providers and hospitals.
- Support of image Push and Pull technology to suite land line connected service providers and roaming reporting doctors.
- Support of on-demand adaptive loading of large studies and caching multiple downloaded studies for fast viewing

Integration, is the whole idea

The ultimate goal of integration is to facilitate an Electronic Health Record (EHR) whereby a user can access the complete patient record from a single location. This will allow a physician to be able to assess a patient from an integrated view, having access to not only lab tests, but also dental records, diagnostic images and previous reports, etc.



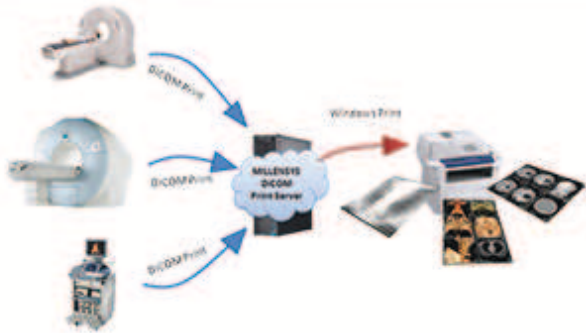
One Patient Folder "EPR"
True Electronic Delivery
Smooth working Environment
Film less Paperless Concept
Increased Productivity

PACS

Accessories

DICOM Print Gateway

Using MiPrint, expensive Film printing can be replaced by Windows paper printing. Providing patients and referring physicians with hard-copies of their studies and reports in an easy and much cheaper way while preserving printing quality.



MILLENSYS DICOM Print Server "MiPrint" is a module that converts any received image from any modality with only DICOM print option enabled to DICOM image file, thus enabling storing it to PACS, archive it on CD/DVD, print it to any windows A4 and A3 printers.

Film Scanning



Vision Tools Scanning is an easy stand-alone software application attached with a film digitizer "Twain Compatible" used in scanning old radiology films and send them to PACS, saving space wasted in keeping and maintaining those films for long time.

MiPublisher

MILLENSYS Disc Publisher is a complete medical publishing solution that help increasing Return on Investment ROI due to the reduction of film printing vs. CD publishing. MiPublisher is designed to be transparent with minimal user interactions using a touch screen monitor and a DICOM store server to receive studies directly from the modalities or workstations and produce CD/DVD with auto CD label printing of patient and study Information and including MILLENSYS DICOM Viewers "MiViewer and MiniViewer" or any third party viewer. The Solution can include a DICOM print server to enable printing on A4 printers directly from DICOM modalities.



MiPublisher | SE



MiPublisher



MiPublisher | E

DICOM Conversion



For Non-DICOM modalities, the best interface will be Video grabbing, by which, the Vision Tools workstation aided by a remote keypad can acquire images from the modalities one-by-one or interface the station directly with the modalities to acquire image or cine loops automatically from the modality during the procedure.



MILLENSYS is the partner that you can trust for
your mission critical health care environment



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