

BIGGER THAN YOUR EXPECTATIONS!

New version 3.0 comes more **comprehensive** than ever. With multiple new features and productivity enhancements including **advanced 3D visualization**, support for all popular operating systems (**Windows, Mac OS X** and **Linux**) and an **even more cost-effective pricing policy** including **free** editions!

NEW
evorad
RIS - PACS
3.0

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Evorad Research PACS

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EDITION

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Software for workstations and servers that adds to the core functionality of Evorad RIS-PACS: a development environment for new image processing techniques, tools for exporting measurements to worksheets for statistical processing and patient/examination grouping under projects.



Two-way integration with Matlab.

Flexibility in Deployment

Evorad Research PACS can be deployed in three forms:

1. As the primary PACS solution for both clinical and research use.
2. As a secondary Research PACS solution sharing information with a central clinical PACS solution by any vendor
3. In a multi-site PACS environment for information sharing among organizations cooperating in a research program.

Integration with Matlab for Image Processing

- Image series or individual images can be transferred to Matlab in the form of 3D or 2D matrices.
- 3D or 2D matrices can be transferred back from Matlab to image series or individual images within Evorad Research PACS and then added to current examination.

Exporting Measurements to Worksheets

Measurements for ROIs can be exported

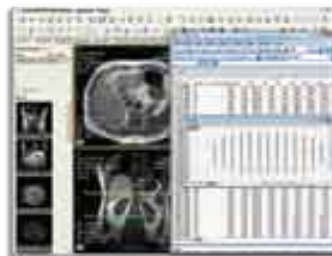
collectively to shared worksheets including patient and examination information for further statistical processing.

Development Environment for Image Processing Techniques

New image processing techniques can be developed in Java and C and tested from within the Evorad Workstation which is embedded in the development environment (Eclipse). An on-the-spot scripting facility is also available. Since the workstation is connected to the server new algorithms can be directly applied to current examinations. As soon as they are verified, new image processing techniques can be "published" for use by all authorized users.

Research Project Grouping

Patients and examinations can be grouped under a research project so that they can be easily found and collectively processed by users.



Export ROIs with values to spreadsheets.

Evorad RIS-PACS & Teleradiology

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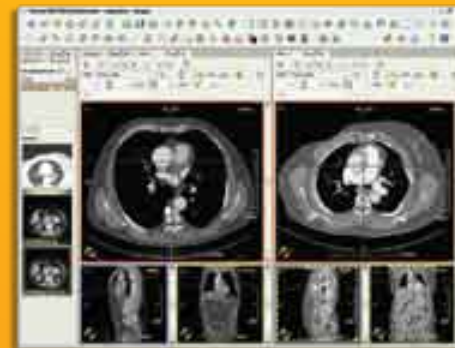
info

Software for workstations and servers offering a central database with electronic patient record, advanced image processing, complete statistics and information analysis, and multi-level medical image archiving. Includes enhanced security and inherently supports teleradiology providing fast remote access through the Internet. Evorad RIS-PACS allows the interconnection of multiple servers in a multi-site PACS deployment. All aspects of the system are configurable, customizable and localizable to meet specific and changing needs.



Supports Full Life-Cycle of Imaging Examinations

The system tracks the full workflow from examination ordering and scheduling to diagnosis typing and delivery to the patient. Users, depending on their roles, are presented with a work-list of examinations pending for an action by them.



Multiple simultaneous MPRs for comparison.

Extremely Productive Medical Image Presentation and Processing

Image presentation and processing has been designed in cooperation with professional and academic radiologists to offer unique capabilities in terms of arranging, synchronizing, processing, importing and exporting series of images and related information. The image processing toolbox includes advanced 3D visualization (MPR, MIP, and Volume Rendering). All tools are available remotely through the Internet.

Advanced Information Analysis

A comprehensive Business Intelligence subsystem offers to end-users full control on collective information analysis and presentation for statistical and management decision support purposes.

Optimized for Teleradiology

Using fast medical image transfers (lossless or lossy compressed) increases productivity and enables teleradiology. Remote users have access (subject to security constraints) to all functionality available to local users using a web-based or a standalone edition of Evorad Workstation in full or clinical view mode.

Exceptionally Usable and Easy to Use

All aspects of the graphical user interface (GUI) have been designed and are continuously evolved in cooperation with professional and academic radiologists, medical physicists, secretaries, etc. to ensure the maximum possible usability and productivity. Inexperienced users become quickly productive while more experienced users benefit from the rich feature set.

Extensive Security

The security subsystem is designed to protect the very sensitive information which is stored and processed by the system. Encryption can be employed during both archiving and transfer of any kind of information. Users are authenticated internally or via external directory services. Users are assigned roles that specify their access rights using fine-grained rules that range from the availability of

a specific function (e.g. image viewer) to the right to view or edit a specific piece of information (e.g. patient name). Finally all user actions are recorded leaving a comprehensive audit trail.

Multi-view Information Presentation

Relationships between information entities (e.g. patient, examination, diagnosis, etc.) are very easy to follow from any view. For example a user can navigate from an examination to the associated patient information or the related order and vice versa.



Instant access to all related information.

Complies with International Standards

Evorad RIS-PACS implements international standards such as full DICOM 3.0 and HL7 for information exchange with other systems. Furthermore it conforms to IHE and HIPAA requirements and bares the CE Mark, Class IIa.

Evorad Workstation

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Software for independent workstations with advanced image processing including 3D visualization and local electronic patient record capabilities. It can be part of Evorad RIS-PACS connecting to multiple local and remote Evorad RIS-PACS or Evorad Research PACS servers. Alternatively it can operate standalone connecting to any DICOM source of images (medical equipment and PACS solutions by other vendors).



Independent Workstation

The local database for electronic patient records, along with the local medical image archive and the DICOM 3.0 communication capabilities constitute a comprehensive and independent diagnostic workstation for radiologists. Furthermore, it can connect simultaneously to multiple servers enabling the cooperation with more than one sources of imaging examinations.



Cross-exam and multi-parameter synchronization.

Comprehensive Image Processing Toolbox

Includes the full range of image processing and advanced visualization capabilities of Evorad RIS-PACS and Evorad Research PACS product lines such as: image series synchronization and comparison, cine, measurements (distance, angle, ROI), pseudo-coloring, image exporting and importing, MPR, MIP, Volume rendering, etc.



Founded in 2006, Evorad is dedicated to developing medical information systems and providing related services. Based on technologies under development since 2003, Evorad offers RIS-PACS, Research PACS and Teleradiology solutions for healthcare organizations ranging from medical centers to hospitals and research centers.

The name "evorad" stems from the phrase "evolution in radiology" that summarizes the introduction of a new approach to the development of medical information systems and in particular software for radiology labs. This approach is based on revolutionary technologies, commitment to user productivity, adaptability to changing user needs and total product and services quality.

Evorad employs software engineers, biomedical engineers and medical physicists with experience in medical software and large-scale information systems and cooperates with scientists and researchers in various related disciplines.

The major investor of Evorad is Velti Center of Innovation which is one of Velti's (www.velt.com) most important initiatives. Velti is a leading platforms and services provider for enabling mobile marketing, advertising and value-added services for advertising agencies and brands, media groups, mobile operators and large enterprises. Velti is a publicly traded company listed on the London Stock Exchange.



W Evorad Workstation



- Advanced 3D Visualization
- Connects to any PACS
- Local Image Storage

P Evorad RIS-PACS & Teleradiology



- Full Workflow
- Optimized Teleradiology
- Advanced 3D Visualization
- Business Intelligence

R Evorad Research PACS



- 2-way Matlab Integration
- Custom Image Processing
- Integrates with any PACS

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