Centricity PACS-IW is a web-based solution for all modalities and healthcare environments

Light boxes were yesterday. Today’s clinicians are online, managing patient images and clinical data via modern web-technology, effortlessly embracing digital radiology.

With its advanced and easy-to-use technology, Centricity PACS-IW is the PACS of the future, but delivered today, and is based on the latest international guidelines such as those developed by IHE and DICOM.

A seamless and smooth transition to filmless hospitals and care networks

Since PACS was first introduced, this solution has been dedicated to making healthcare organizations 100% film-less – not only within the department or facility, but across the enterprise and continuum of care.

Today, Centricity PACS-IW has been installed globally throughout Asia, Europe, and North and South America - helping customers from physician offices to imaging centers, to community and multisite university hospitals - succeed in their radiology businesses.

Standards-based technology

With strict compliance to industry standards and the comprehensive IHE framework, Centricity PACS-IW seamlessly interfaces a full range of hospital, radiology and clinical information systems.

Common user interface for all roles

Centricity PACS users inside and outside the radiology department can access the same database, archives and tools from exactly the same user-interface. This includes the complete set of workflow tools, system functionality and results - all online and on-demand regardless of their age or location. Centricity PACS-IW utilizes secure, encrypted web-protocols.
Simplify your IT administration

The 100% web-based PACS-IW architecture enables easy administration from anywhere, via web access. It is scalable to your needs and allows you to start small and grow big. Virtually an unlimited number of user and modality licenses can be added. Client application installation is effortless, freeing up administrator time for other activities. Bring your images and results to life through seamless connectivity to HIS, RIS, CIS and/or EMR systems.

Multi-site streaming
Web-based PACS-IW can be configured in different ways to fulfill your requirements regarding data safety and system uptime. It can also be adopted to fit into the current IT environment managing multi-site installations, bandwidth limitations and security requirements.

- Multi-site powered, for scalable growth
- Maximum speed with cross site streaming of images
- Highly scalable for expanding businesses
- Protect patient data transfer using encrypted protocols

Interfacing flexibility

- Delivers imaging results to other applications e.g. EMR
- Supports enterprise-wide Single Sign On
- Provides a Viewer API for HIS/RIS/EMR interface

Benefit from local supplier relationships

Enjoy the flexibility to choose your favorite hardware suppliers thanks to Software-Only offerings. We provide you the key specifications, and you stay within your IT strategy for a perfect fit.

Virtual radiology begins at the backend: reduce electrical costs and save space by leveraging the benefits of VMWare.
Driving maximum productivity

Centricity PACS-IW enables your entire clinical staff to access patient images and data from anywhere, via web access, at any time. Authorized users get immediate access to prior and current exams for ideal comparison. Regardless of where a procedure was performed, access is simple and fast.

Speed, presentation and extensive toolset
Centricity PACS-IW optimizes radiologist workflow efficiency through the use of advanced study layouts, multiple presentation states, variable sized asymmetrical windows and ‘copies’ of windows, 2D stack-based reading tools and integrated 3D.

All of these features, including the overall user interface, are highly customizable to meet each user’s specific needs and preferences. The ease of use and Microsoft® Windows® style makes it easy to handover PACS-IW to all clinical users without the need for extensive hands-on-training.

Drop the Drag’n’Drop
The exclusive SNAP! Tool innovation provides users an ergonomic, ultra-fast means to reorganize image series, retiring the need for the traditional drag’n’drop.

SmartLoading™ – Performance with a Purpose
Powered by exclusive SmartLoading, Centricity PACS-IW delivers fast, study loading (lossy or lossless) to the desktop, for today’s large studies. Current, prior and baseline studies are automatically hung for the radiologist, with the ability to manually hang additional priors for further comparison.

Advanced 3D postprocessing
Once the study is loaded, the radiologist (or clinical user with proper privileges) can perform embedded 3D reconstruction, including MIP, MPR (standard, spine, oblique, curved and cross curved). All of these reconstructions can include slab enhancement, and can be saved back in a single-click to the original study.

Processing of 3D studies is simplified on PACS-IW due to the embedded 3D analysis that is standard with PACS-IW. MIP and MPR results become part of the permanent patient record adding value to the clinical data. Additional advanced 3D processing is available by leveraging the optional Voxar 3D, which simplifies access to sophisticated tools such as blood vessel and virtual colonoscopy analysis. In all cases, advanced 3D clinical information can be incorporated into the clinical routine for improved productivity.
Satisfy your customers

Centricity PACS-IW allows you to improve communication and cooperation with your referring physicians. Automatic Email notification informs them when their studies and reports are available. Your referring physicians can have immediate and secure, digital access to studies and reports, regardless where they were performed.

Enhance relationships with your referrers

With a few mouse clicks, a referrer can access the same software and clinical tools as radiologists. A dedicated referrer role in PACS-IW provides all important results at a glance: report and diagnosis, key images, scanned documents as well as access to the complete study and set of viewing tools.

All referrers can access the advanced postprocessing capabilities and consult large datasets from their practice desk.

Teleradiology and consultation

Centricity PACS-IW facilitates consultation between radiologists and referring physicians from any location. The system even enables authorized external users to have temporary access to specific patient studies. Of course, Centricity PACS-IW also allows you to utilize standard off-the-shelf PCs to access images and results.
Your PACS may have met your needs when it was originally purchased, but for today’s competitive environment you should consider whether it’s meeting the needs of your customers.

You are not as tied to your current PACS as you might think. GE Healthcare can replace or augment your existing PACS and quickly migrate your old studies, in order to help enhance your clinical operations and overall competitiveness.

Now is the time to take action and ensure your business is well positioned to satisfy the needs of your customers and your clinical workflow.

### Symptoms of a PACS Failure

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<tr>
<th>Symptoms</th>
<th>Effect</th>
<th>Diagnosis</th>
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<tbody>
<tr>
<td>Different viewers for different users</td>
<td>Your PACS may have Web-access, but it is likely a Web enabled approach with an appended Web server to a client/server PACS. Results are delivered both slowly and unreliably to your referring physicians, increasing their frustration.</td>
<td>You need a PACS Rehab!</td>
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<td>Loss of referrals</td>
<td>Referring physician frustration has caused you to lose market share to competitors who offer a higher level of service with more modern PACS and innovative marketing programs.</td>
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<td>Too much hardware</td>
<td>Your PACS requires numerous servers and sub-systems that need to be managed by the local IT staff or even worse, by dedicated staff from your PACS vendor. This is very costly to maintain over time.</td>
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<td>Limited access</td>
<td>The promise of PACS is to do more with less, and to operate more efficiently. But with workstations that have limited or no portability, your radiologists are still virtually tied to their workstations for the majority of the power of the PACS.</td>
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<td>Inefficient clinical workflow</td>
<td>Legacy PACS that has been updated year over year is riddled with outdated code. Imagine a PACS that is completely portable, with all of the power of the diagnostic workstation available at your fingertips wherever you are in the world?</td>
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<td>Can’t keep up with exam volume growth</td>
<td>Your PACS cannot support the latest imaging modalities including the increasing exam size and study volume your institution is experiencing.</td>
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<td>Can’t manage bottleneck</td>
<td>Your CDs may be proprietary or run a different viewer than the PACS. Your physicians cannot burn CDs locally and they do not support the IHE PDI standard increasing referring physician frustration.</td>
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<td>Inflexible integration</td>
<td>Your PACS cannot easily integrate to clinical applications for orthopedics, digital mammography, PET/CT, nuclear medicine, advanced visualization, and more.</td>
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About GE Healthcare:
GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our “healthymagination” vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality around the world. Headquartered in the United Kingdom, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than 100 countries. For more information about GE Healthcare, visit our website at www.gehealthcare.com.

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