



MEDPAC SYSTEMS

making hospitals film less

MEDPACSUITE

one solution for all your hospital and radiology imaging needs

A large graphic of two interlocking gears. The top gear is white and the bottom gear is red. They are positioned diagonally across the page, with the red gear in the foreground and the white gear behind it.

PACS

Storage

MWLServer

Teleradiology

WorkStation

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Technology At Work For You

Picture Archival and Communications System (PACS) is a technology that enables images from various modalities such as ultrasonography, magnetic resonance imaging (MRI), endoscopy, mammography and radiology to be stored electronically. With the click of a button, these images can be retrieved, transferred and viewed simultaneously by physicians and practitioners at various locations, who interpret and store them in archives for future use. PACS allows for a near film less process with the flexibility of a digital system removing the cost associated with hard film and gives flexibility for the radiologist to work from any place any time. This system also relieves the administrative hassles of keeping old reports and images. This technology will optimize and increase the productivity of the radiologists by automatic distribution of studies across the organization within the same center or multiple centers.

** Makes Hospitals Film Less and Paper Less*

** Can Store up to 24 Million Dicom Images*

** Improves Clinical Accuracy and Transcription*

** Makes Hospitals Enabled for Medical Tourism*

** Networks Hospitals*

** Investment Recovered by End of First Year*

** Stores Radiology Images and Reports for Health Insurance Audits.*

** Improves Patient Satisfaction*

** Saves Money on Films*

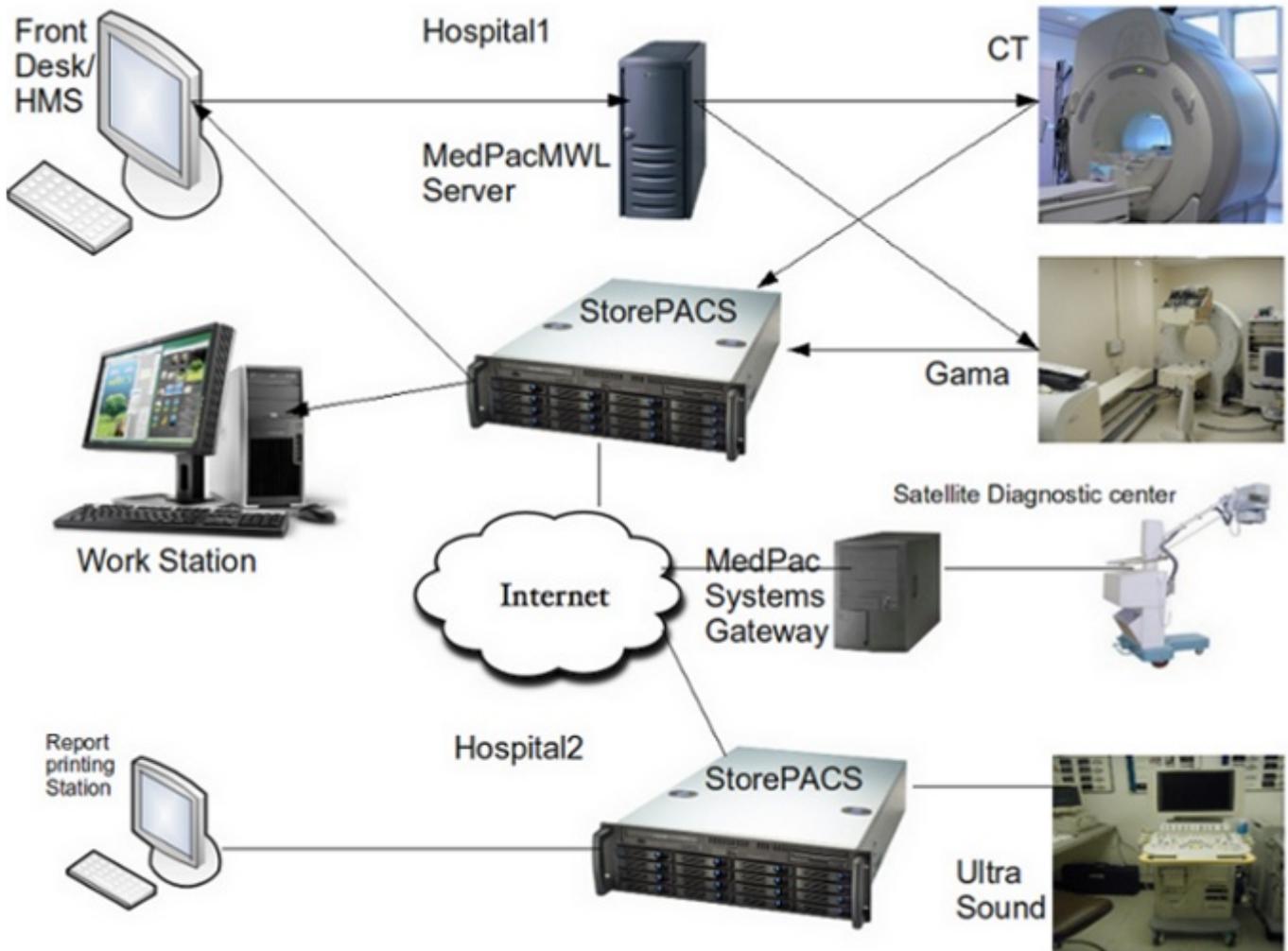
** Enables Teleradiology*

** Helps in NABH accreditation*



MedPacSystems PACS Server

MedPacSystems PACS Server is Dicom 3.0 compliant enterprise class server with storage from 2TB to 12TB Raid 10(mirroring of disks). For Networked Hospitals MedPac Servers can synchronise studies and reports across hospitals so that any of patient studies and reports are available in any hospital. Reporting can be done from any hospital or by the radiologist from any place with access to the internet. Optimized Linux platform will make sure that there is no down time due to viruses and provides high performance to processor ratio. Proprietary network compression algorithms are used to optimize network bandwidth utilization.



PACS Web Interface

Web interface can be used to view and analyse studies with tools like zoom, invert, measure, contrast/brightness, cine play. Has inbuilt MSword like reporting with ability to attach images to the generated pdf report. Can be used to burn cd and export images to usb. Can be used to configure and upgrade the PACS.



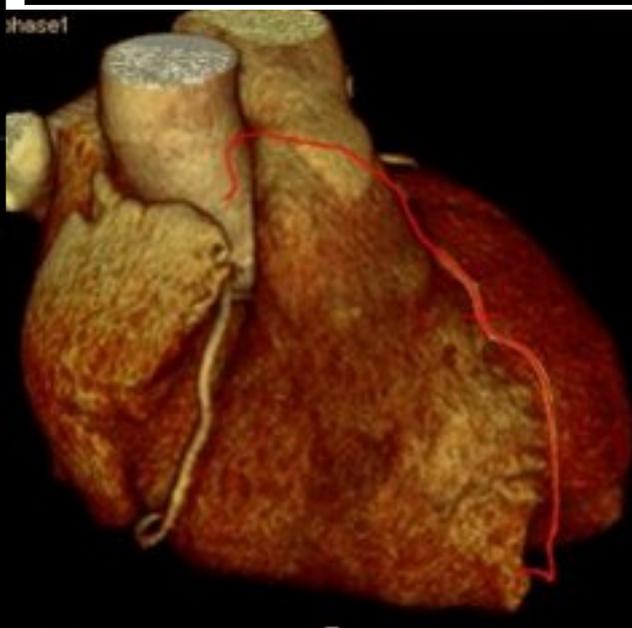
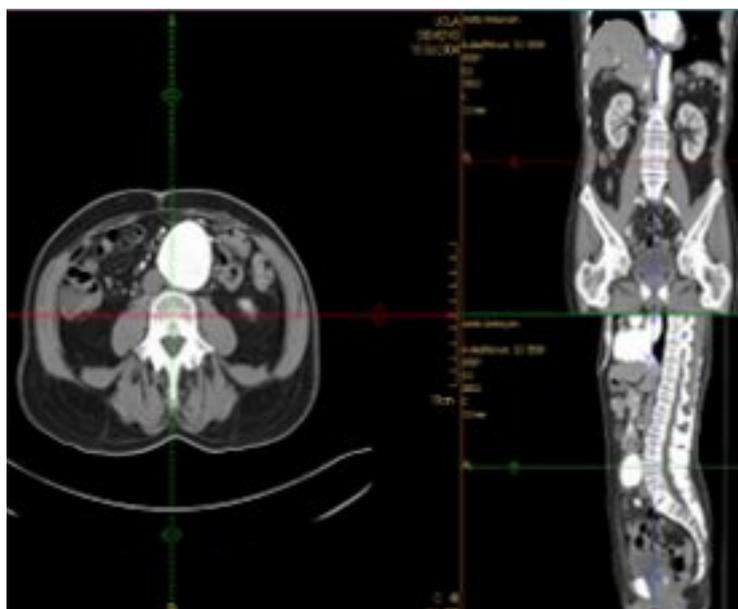
MedPacSystems MedStation WorkStation

MedStation is a windows based Radiology workstation with a very easy to use and intuitive interface. Has inbuilt teleradiology functionality integrated with medpac systems PACS server. Can be also used to view dicom images from the cd's and local hard disk. Has tools like zoom/pan, magnifying glass, cine play loop, invert, stacking, rotate/flip, window/level, match scale, annotations, image scale, Dicom overlays, shutters, reference lines, spatial locators, Dicom header viewer/editor, linear/ROI measurements. Images can be exported to jpeg, png and bmp formates so that they can be used to make ppts or sent out as mail attachments.

MedPac3DStation

MedPac3DStation 3D radiology workstation makes volume rendering, MIP, MinIp, Average reconstruction a breeze even on a normal PC. Volume tools, Segmentation protocols and Endovascular mode give value for your money. Curved MPR Vessel Analysis and Printing make your day to day work easy. The cardiac CT application can be used for complete coronary and functional heart assesment with automatic heart segmentation. Virtual colonoscopy enables automatic or manual navigation of colon with real time volume rendering and colon segmentation. The PET/CT viewer can be used for rigid manual registration, fused PET/CT images.

Calcium scoring application can identify calcified plaque in coronary arteries along with Agaston and volume score.



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MedPacSystems is a product based company started by IITians with a focus on Medical Imaging Systems and Storage. MedPacSuite has been developed after years of research into hospital imaging needs and bandwidth constrains of teleradiology.

**** Bangalore***

**** Hyderabad***