Integrated Optimized Medical Imaging Solutions

Simplified workflow enhanced through AI and delivered through CLOUD
Clear and Sharp images for better diagnosis

We are not only ahead-ARTIFICIAL INTELLIGENCE
We are also rising above others-CLOUD

In Future world will have Multi Department PACS
We have it today.
Meddiff shows the way
Our technology: keeping pace with change

**Streaming:**
- Allows Radiologist to view images at any bandwidth
- Progressive transmission

**Web Based Solution:**
- Browser Based Access
- Anytime & Anywhere access

**Platform Independent:**
- Hardware Independent
- Viewer can be installed on any platform - Windows, Mac or Linux

**Mobile Support:**
- iPhone
- iPad
- Android

**GLOBAL COMPLIANCE STANDARDS**
- FDA Cleared
- DICOM Compliant
- HL7 Compliant
- HIPAA Compliant

**SECURITY FEATURES**
- Audit trail
- Access control and management
- Online session control
- Digital signature for reports
- Image transfer in encrypted format and streaming inbult encryption
- Use of AES Encryption, MD5 checksum, SSL, PGP

**STORAGE MANAGEMENT**

**STREAMING AND WEB-BASED TECHNOLOGY**
Products

InstaRAD
On the Go, Fast Streaming, Priority Viewing
- TeleRadiology solution for Standalone Imaging Centres/Hospitals
- Truly web based solution for image access
- Reporting module - Inbuilt
- Requires minimal bandwidth
- Easy Access (laptop & datacard)
- Lossless Transmission
- DICOM Image Viewer complete with all post-processing tools

InstaPACS
Connecting Doctors to the Point of Care
- Highly scalable architecture
- Designed to handle 1000+ scans per day and 100+ concurrent users
- Platform Independent: Windows/Linux/Mac
- Database Options: Oracle/Sybase/SQL Server/MySQL
- Long-term Storage
- Clients on LAN, WAN or Internet
- Integration with RIS / HIS - HL7
- DICOM modality worklist
- CME module
- Access on mobile phone
- Report Search Engine
- Multi-Dept. Support: Radiology, Cardiology etc
- Robotic CD/DVD publisher, Voice Recognition
- Advanced 3D workstation, Blu-ray Archival

Enterprise InstaPACS
Integrated Solution for Group of Hospitals
- Solution for multi-facility PACS
- Single point of data access across the facilities
- Centralized Radiology Reporting for all hospitals
- Architecture Options: Distributed / Centralized / Cloud
- Centralized User Management & Various IT Operations
- Global worklist
- Physician collaboration across hospitals
- Robotic CD / DVD publisher
- Voice Recognition
- Advanced 3D workstation
- Blu-ray Archival

InstaCath
Cardiac PACS Solution
No need of a CD for transporting the Angio
CathLab, 2D Echo Connectivity
CD creation for Patients

Enterprise InstaRAD
Simple Solution for Complex Workflows
- Connects Multiple hospitals / Diagnostic centres
- Deployment at a central server
- Collaborative and hierarchical reporting
- Digital Signature
- SMS Alerts, Email and Fax integration
- Work flow module - work list allocation based on predefined rulesets
- Ability to transfer data on low bandwidths from remote centres: Perform much better than standard techniques

InstaNM
Gated Nuclear Medicine Image Support
PET / CT fusion
User can view the complete Gated NM movie (even on tele)

Tele Cardiology
Tele Nuclear Medicine
InstaRISPACS (Standalone / Enterprise)

- Front desk, Technician, Radiologist, HOD and Physician modules
- Patient Registration
- Order Creation & Billing
- Appointment & Scheduling
- HOD Functionality
- Case Assignment Rules
- Dashboard
- MIS
- Technician Notes & Track of consumables
- Image archive on a central server
- Clients on LAN, WAN or Internet
- HIS Integration
- DICOM modality worklist
- CME module
- Access on mobile phone
- Biometric integration
- Radiologist reporting workflow with TAT

HIS integration

All deployment of InstaPACS and InstaRISPACS have been integrated with HIS (few of them have been non HL7)

1. Physician Places the Radiology Order in the HIS
2. Order is communicated to the PACS
3. PACS Schedules the order and modality picks the order in the worklist
4. Scan is Performed and images are auto pushed to the PACS Server
5. SCAN DONE message is sent to HIS
6. Radiologist views the images in the PACS. Gets the Patient’s history in PACS through HIS
7. Radiologist creates the report in PACS which is pushed to HIS
8. Physician sees the report along with images. PACS image viewer is integrated in HIS
Additional modules

**Robotic- CD/DVD publisher**
Solution to print CDs/DVDs with patient data
User-friendly CD/DVD creation capability directly from PACS

**Mobile interface**
DICOM viewer with reporting module
WADO server for mobile devices
User access with authentication
Patient information in the form of thumbnail images

**Voice recognition system**
Does away with manual transcription of reports
Reduction in costs and better patient care
Improvement in efficiency
Integration with InstaRAD viewer

**DICOM print**
Select from a wide range of features in layouts, page size, and image orientation, and print your DICOM image.

**Workstation – 3D**
With a click user can launch the 3D application
Orthogonal MPR
Oblique MPR (Single / Double)
MaxIP / AvgIP / MinIP
Support for both CT & MR Images
Reporting interface

- Reporting Module is customizable
- Designed as per the HIS rules
- Template based reporting
- DB Form based reporting
- Signed off/Addendum workflow
- Multi-level Reporting – Draft/Reviewed/Signed off
- Reports are digitally signed
- Macros support
- Report locking
- Electronic & Digital Signature Support
- PDF Printing

Report search engine

It is very useful for Radiologists to search the existing reports on keywords. This requires a dedicated Search Engine capability as reports are text data. Report search engine is a good database for doctors to search their internal cases on various findings. Results can be further filtered based on age and sex.
InstaVNA
Typical PACS deployment

VNA scenario

Enterprise InstaRISPACS
Online Collaboration Module with Video Conference

The platform allows two or multiple users to do audio/video conferencing, desktop sharing & access to shared whiteboard. InstaPACS enables the physicians/radiologists across the various hospitals to collaborate via video and chats. If Radiologist is online and Physician likes to discuss the case he should be able to initiate the video conferencing through the system.

Getting Connected

![Image of Getting Connected]

Video Conferencing

![Image of Video Conferencing]

Desktop Sharing

![Image of Desktop Sharing]
Medical Imaging solutions on cloud via SaaS model as well as working on AI (Artificial Intelligence) aided diagnosis.

Partial user list

**Clients in India**
- Apollo Hospitals, India
- BL Kapur Hospital, Delhi
- Christian Medical College and Hospital, Vellore
- Columbia Asia Hospitals, India
- DM - Aster Medcity, India
- Fortis Hospitals, India
- Father Muller Medical College, Mangalore
- Global Hospitals, India
- HCG, Bangalore
- HN Hospital, Mumbai
- Homi Bhabha Cancer Hospital, Varanasi
- HLL, Kerala and UP
- Indian Spinal Injuries Centre, New Delhi
- Jubilee Medical College, Thrissur
- Kiran Hospital, Surat
- KIMS Hospitals, India
- KMSCL, Kerala
- Manipal Hospitals, India
- Mysore Medical College, Mysore
- Safdarjung Hospital, Delhi
- SRL Diagnostics, Mumbai
- Suraksha Diagnostics, Kolkata
- TNMSC Govt – 21 Medical Colleges & 54 hospitals
- Venkateshwara Hospital, Delhi

**International Clients**
- Columbia Asia-Malaysia, Indonesia and Vietnam
- Aster Hospital-Dubai and Qatar
- European Scanning Centres, UK
- Hemas Hospital - Sri Lanka
- Danat Al Emarat Hospital, Dubai
- RAK Hospital, Ras Al Khaimah, UAE
- Siloam Hospitals, Indonesia
- NINMAS, Bangladesh
- Norvic Hospital, Nepal
- Pung Hliang Siloam Hospital, Myanmar.
What our clients say

“Three years ago, when we were looking at a partner to link all our centres across the country reliably and economically, Meddiff Technologies and Sanjeev came out of nowhere to pip all the other hot-shot contenders to the post. We were extremely circumspect since the company was small and untested. But they were confident as hell!

They never let us down. They delivered on schedule and since then, the system has had a greater than 99% uptime with a virtually immediate response to any query or service call, if at all there is one.

We believe that we are fortunate that we have such a visionary company that delivers on its promises, as our partner.”

Dr. Bhavin Jhankaria, Piramal Diagnostics Centre, Mumbai

“I was associated with the company even before it was formally launched and was involved in the identification of the products to be developed.

I can say with confidence that the promoters and the team have a great vision which is backed up with tremendous skill sets, commitment and value system.

I am sure this company will go places in the years to come.”

Dr. Harsh Mahajan, Mahajan Imaging Centre, New Delhi

“I’m truly impressed with the Meddiff team and the agility that Meddiff products offer. I really hope you reach the number one spot because I can’t think of any other big or small vendor that can beat your competence, dedication and integrity. Good luck, Meddiff something tells me you’re heading for the stratosphere!

Dr. Shalini Govil, Head of Radiology, Columbia Asia Hospital, Bangalore
Meddiff in media
(Formerly known as Medsphere)

Our strengths
- 1st Company to have PACS on Window, MAC and Linux
- US FDA Cleared
- HIPAA compliant
- Integrated RIS/PACS/HIS/RTPACS
- Requires minimum bandwidth for laptop and data card
- Fast access to images, even on mobile phones
- Integrated VR and Robotic CD Publisher
- Secure reporting, digital signature, macros
- VNA Architecture
- Online Collaboration Platform
- Speed of customization
- Remote installation, training and support
- The Largest installed base of RISPACS/TR implementations in India
- We have started doing some early work in the field of Artificial Intelligence (AI and ML)
- Large Deployment for TNMSC at more than 75 sites on Cloud

About us
Founded in 2007 (Now No.1 Indian RISPACS/TR Co.)
Our latest offering is in the field of Oncology called RTPACS (Radio Therapy)
Core Founding Team from GE, Siemens, Motorola and Yahoo
Development Team from IITs, RECs
Around 800 customers and 1500 sites installations
Presence in India, UK, Far East Asia, Middle East and Africa