

Why choose **Telemis-Medical** ?

Because it is **fast**, **proven**, **easy to use**, **complete** and **secure**.

Telemis-Medical is the open solution that is based on standards.

No Need for Special Lines !

- Compression algorithms optimised around image quality (wavelets, multi-resolution, JPEG and others)
- Smart management of network bandwidth in function of available network resources

Proven Reliability !

- Used in over 25 hospitals full time and for several years
- Software made for intensive use with multiple servers and multiple sites
- Using most robust archival systems (RAID, SAN, NAS, Jukebox and others)
- Capability for integration into H.I.S. (Hospital Information Systems)

Easy to Use !

- Used by all imaging users (radiologists, clinicians, specialists, referring physicians and others) with minimum training
- Useful diagnosis tools (including 2D, 3D, dynamic images, MIP, MPR and others)
- "My Viewer" (user-friendliness and customisation)
- "Teaching Files" (local database capability for interesting cases)

No Surprises !

- Availability of site license (for total coverage of imaging needs)
- DICOM and "other" DICOM formats
- Other imaging formats (CTI, Interfile, JPEG, GIF and others)
- Platform-independent solution (Windows, Mac OS, Linux, Solaris and others)

Complete Security !

- Double-key user authentication (using Public Key Infrastructure)
- Verification of integrity of distributed data
- Confidentiality of patient data through high-level encryption
- Verified tracking of access to data



Telemis-Medical is a modular and scalable image management and distribution solution. It smoothly integrates into your existing Healthcare Information System. The **Telemis** company was formed from a high-profile university laboratory which continues to develop unique competencies in image compression and secure image distribution with the goal to go further than the performance of available technologies.

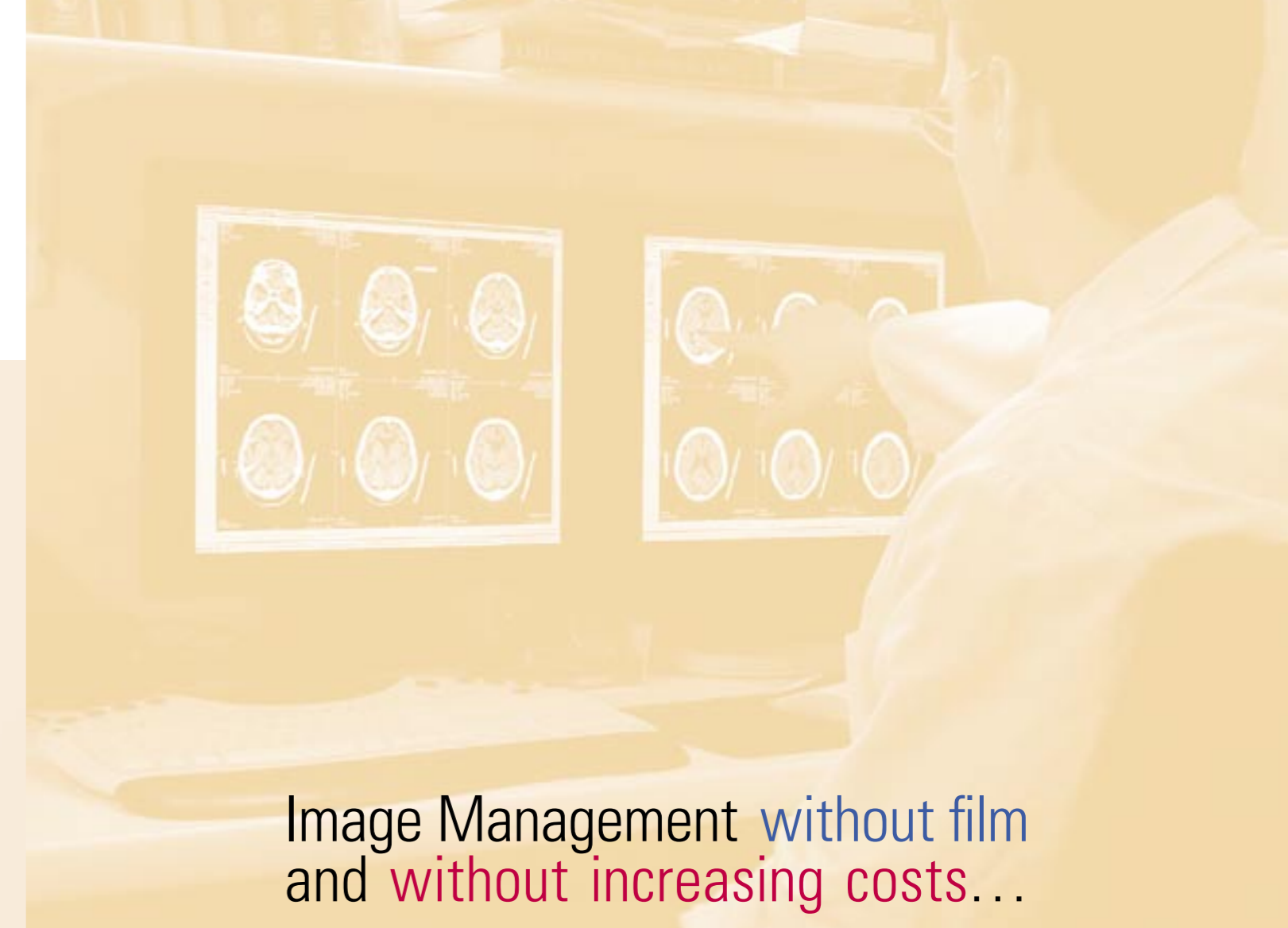
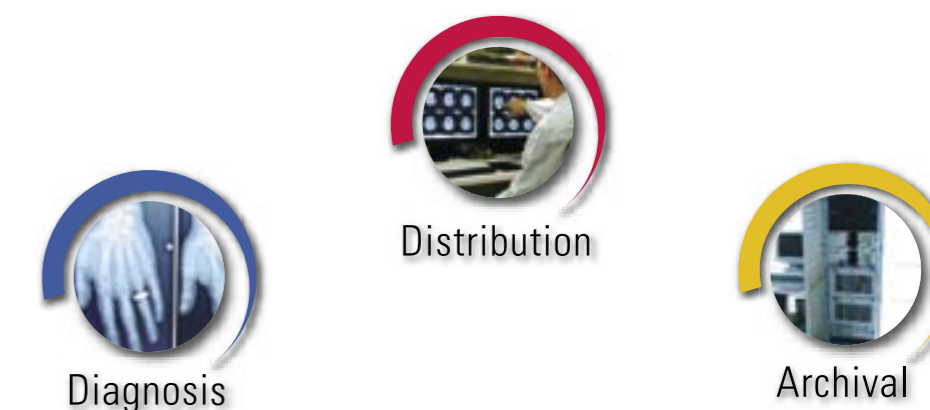


Image Management **without film** and **without increasing costs...**

Discover **Telemis-Medical...**



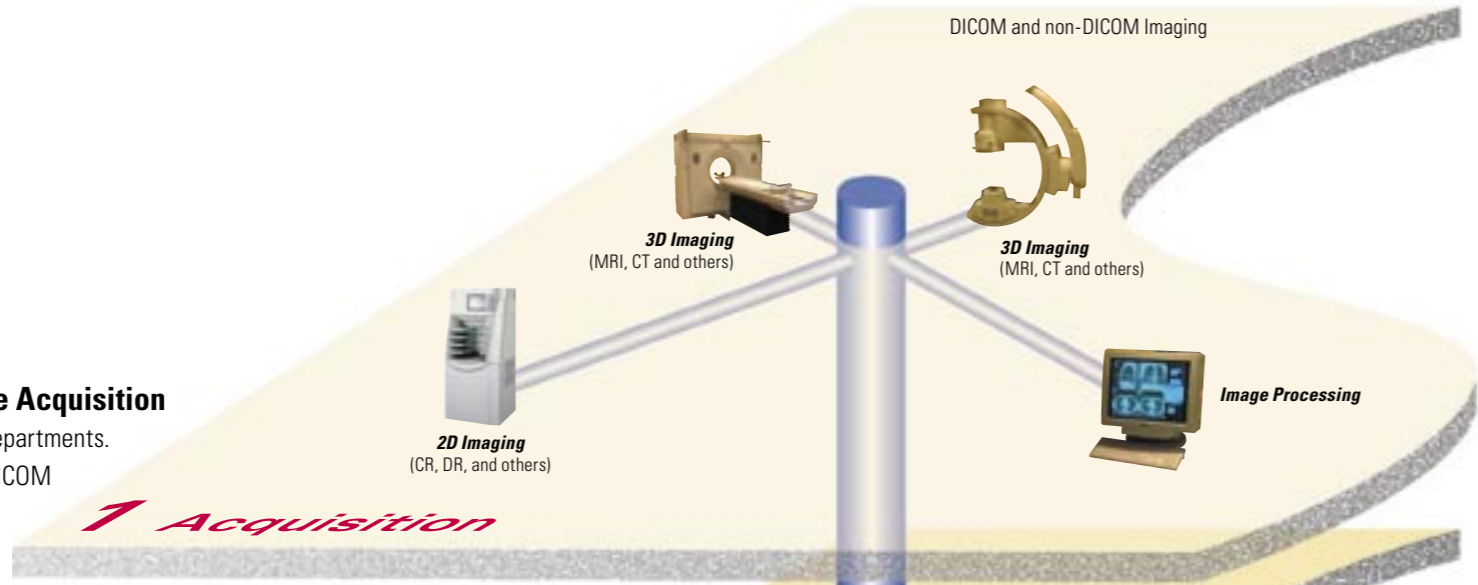
The Path to Digital Imaging



Image Management inside the Institution

STEP 1 Image Acquisition

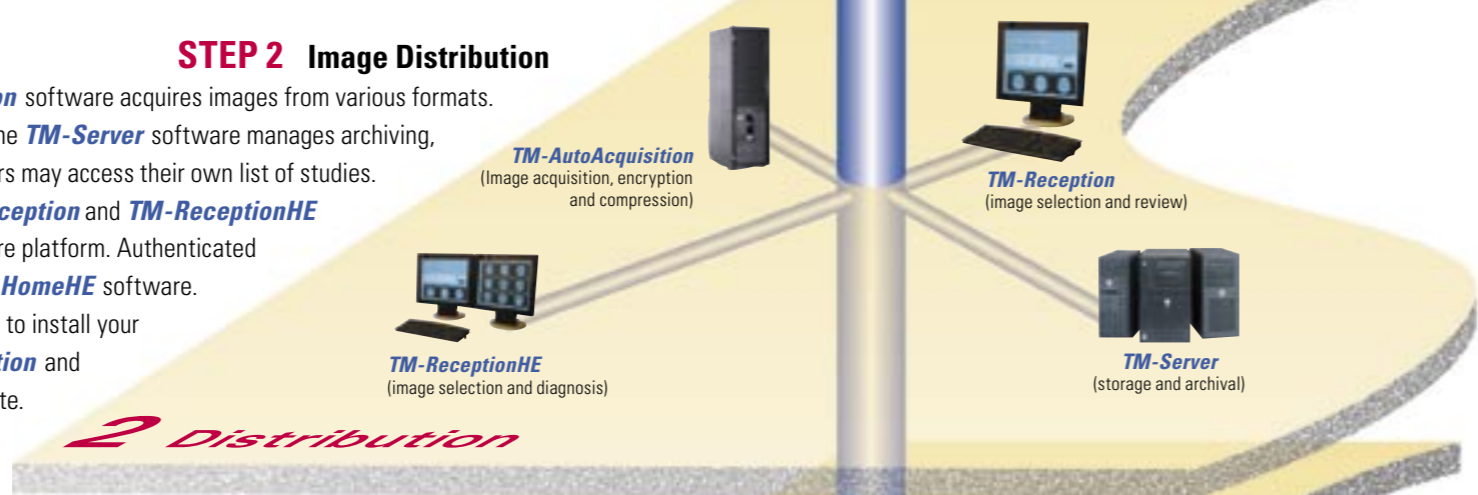
Studies are being performed in the imaging departments. They are 2D, 3D or dynamic and are available under DICOM or non-DICOM format (CTI, Interfile and others).



1 Acquisition

STEP 2 Image Distribution

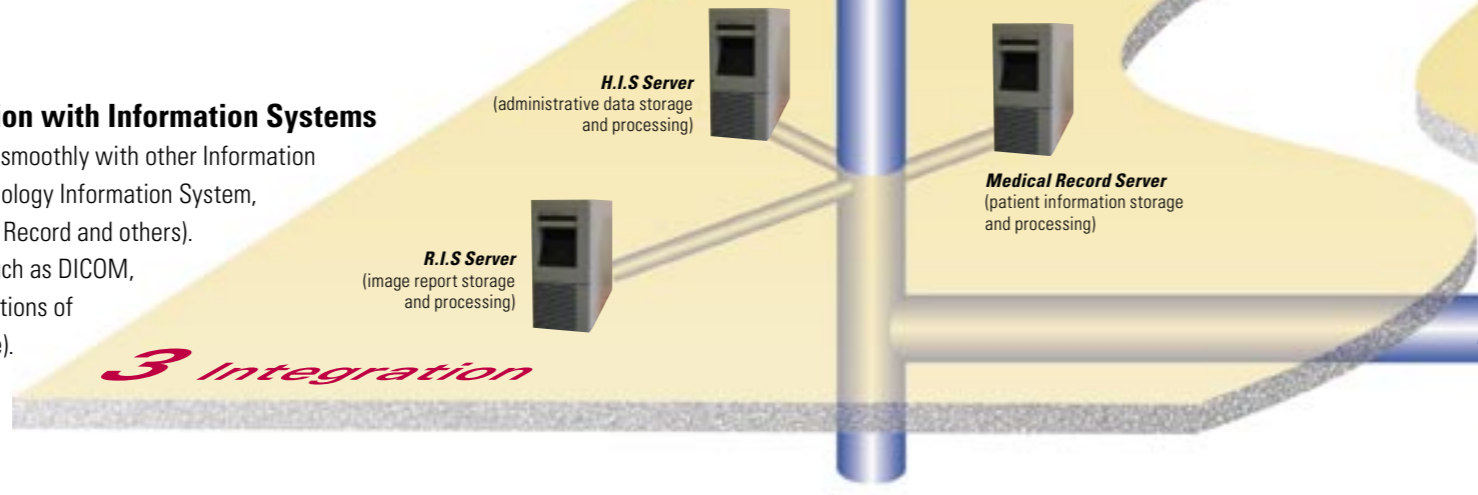
Once connected to imaging equipment, the **TM-AutoAcquisition** software acquires images from various formats. Images are then compressed and encrypted. The **TM-Server** software manages archiving, user access and security of data. Authenticated users may access their own list of studies. The images may be viewed or diagnosed with the **TM-Reception** and **TM-ReceptionHE** viewing software which can be installed on any type of hardware platform. Authenticated users working remotely from home can use **TM-Home** and **TM-HomeHE** software. Purchasing a **Telemis-Medical** site license enables you to install your choice of **TM-AutoAcquisition**, **TM-Server**, **TM-Reception** and **TM-ReceptionHE** on your site.



2 Distribution

STEP 3 Integration with Information Systems

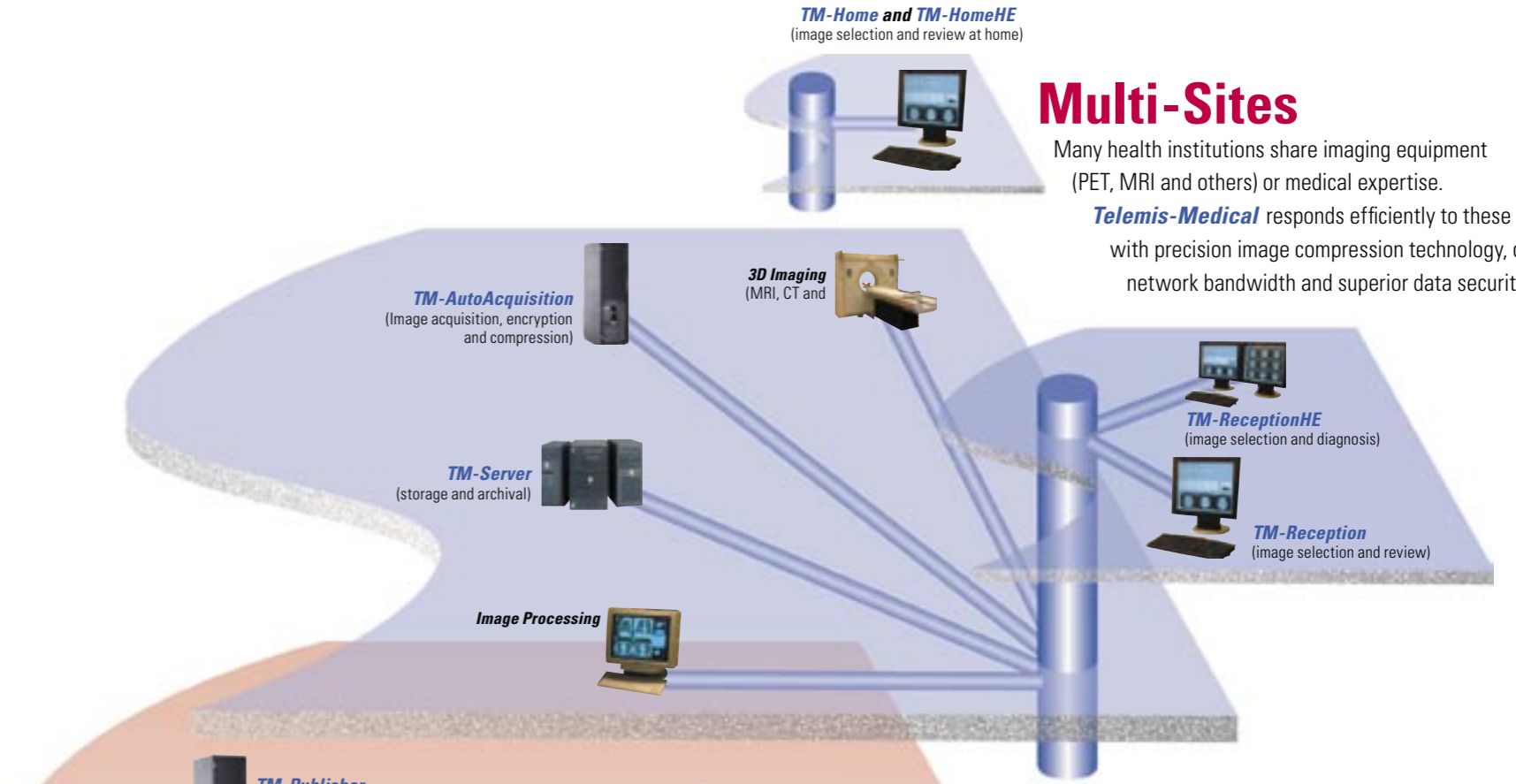
Telemis-Medical was designed with the capability to integrate smoothly with other Information Systems that are typically present inside a hospital (Radiology Information System, Hospital Information System, Agenda, Electronic Medical Record and others). This integration is implemented by using industry standards such as DICOM, HL7, XML and others, according to the recommendations of IHE (Integrating the Healthcare Enterprise).



3 Integration

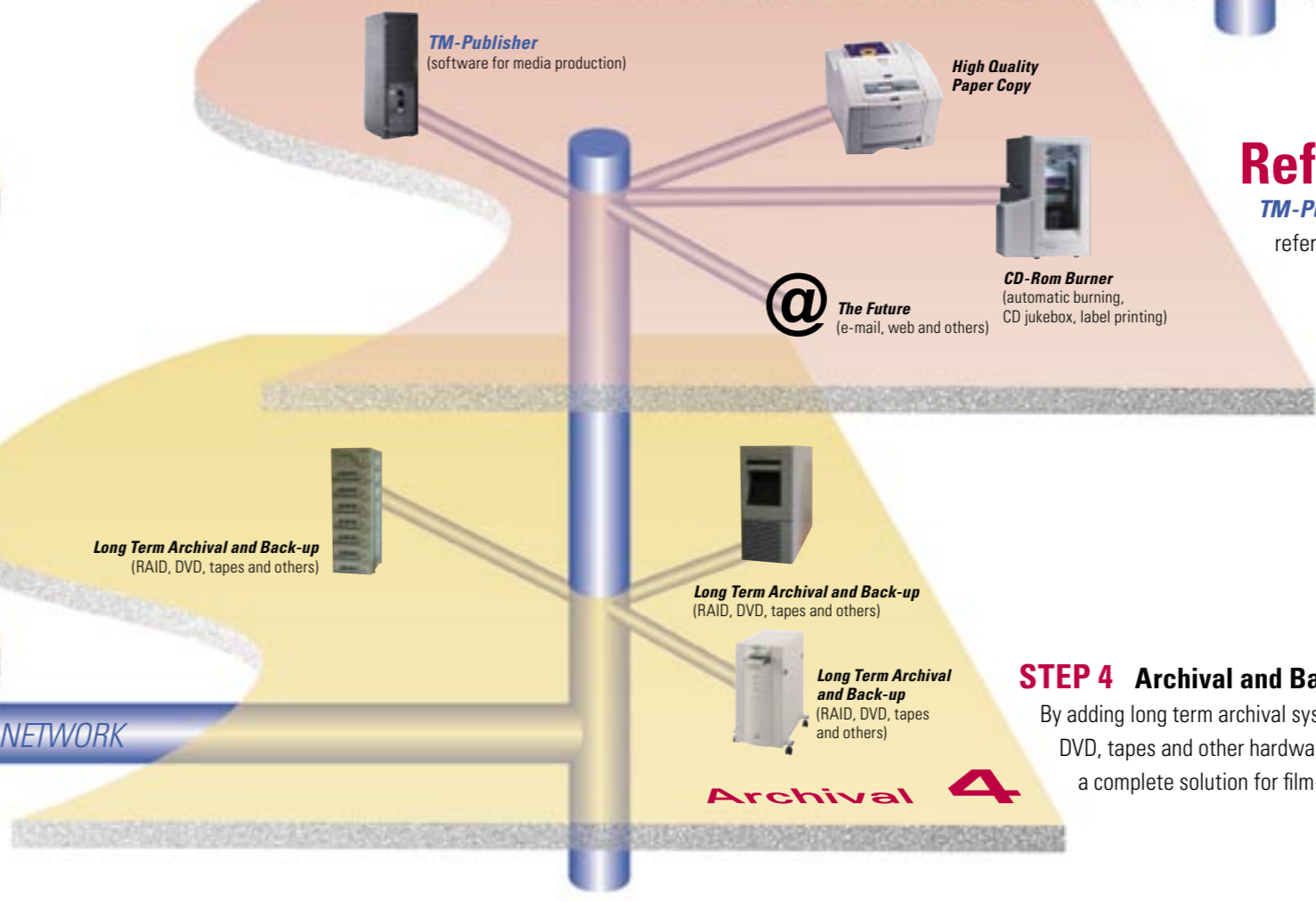
Multi-Sites

Many health institutions share imaging equipment (PET, MRI and others) or medical expertise. **Telemis-Medical** responds efficiently to these environments with precision image compression technology, optimising network bandwidth and superior data security features.



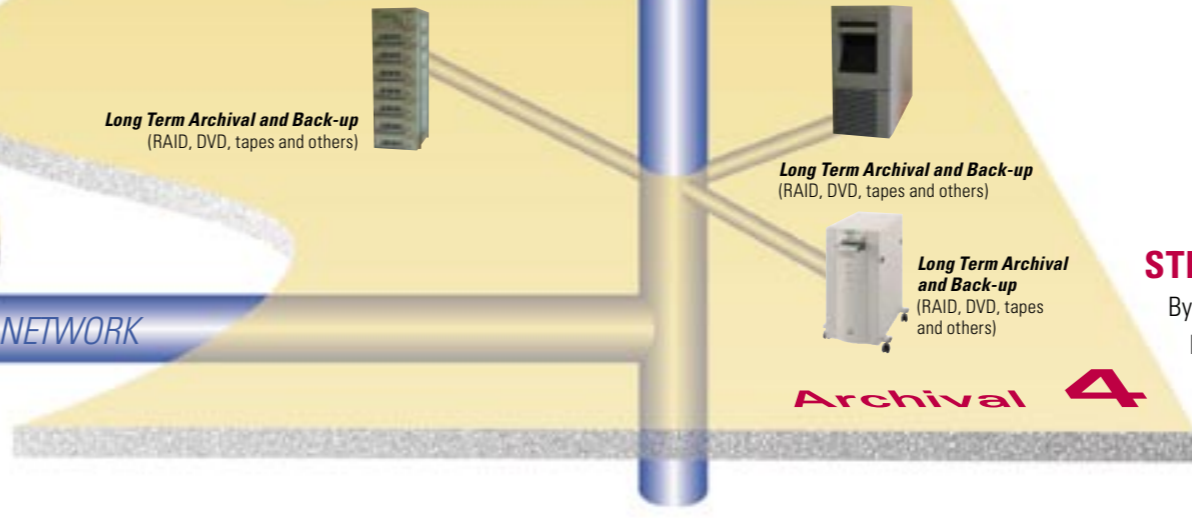
Referring Physicians

TM-Publisher is the ideal solution for distributing images to external referring physicians, be it on paper, CD-Rom, DVD or by e-mail.



STEP 4 Archival and Back-up

By adding long term archival systems using hard disks (RAID), DVD, tapes and other hardware, **Telemis-Medical** proposes a complete solution for film-less image management.



Archival 4