IMAGE MANAGEMENT

SOLUTION FOR PHARMA, AGRICULTURE & LIFE SCIENCE

IMAGING IN RESEARCH AND DEVELOPMENT

Research and development means testing , seeing, learning new things. A picture says more than a thousand words, but lacking associated information it is only part of the whole data puzzle.

These additional project-, sample- and image-relevant data are typically available from Laboratory Management Systems such as PMS, ELN, LIMS as well as from acquisition parameters of image sources, but they have to be effectively linked with the images for fast and accurate access.

In addition, a flexible manual completion with content-relevant information by the user is often indispensable for generating a real long-term value of the image.

Imagic's image management solution („IMS") takes all this into account and offers a true one-stop shop solution to increase the value of your images across their entire life cycle. Various image acquisition, processing, analyzing and managering functions are accessible through one central user interface.

ACQUIRE AND MANAGE IMAGES

The range of acquired images in a research or development laboratory is enormous and comprises simple image acquisition systems like gel scanners, macro- and microscopic acquisition stations up to highly specialized imaging techniques such as confocal, slide scanning, micro tomography, electron microscopy, and many more.

In addition, today's acquisition techniques such as Light Sheet Microscopy, Micro-CT, 3D Electron Microscopy, Virtual

Microscopy via slide scanners generate huge amounts of data in no time. Only centralized, structured data filing, efficient visualization and addition of related information is capable to create sustainable added value from this vast amount of data and save time and network load.

IMS acquires the image data of all your sources via direct device connectivity, automated file import and 180 specific format readers, and makes them available, centrally and in a structured way, for visualization and further processing.

The support of established camera/microscope systems allows direct acquisition featuring special functions such as automatic HDR, Multi Focus and Stitching, and the consistent and uniform user interface for all acquisition devices saves the user precious time for relevant work.
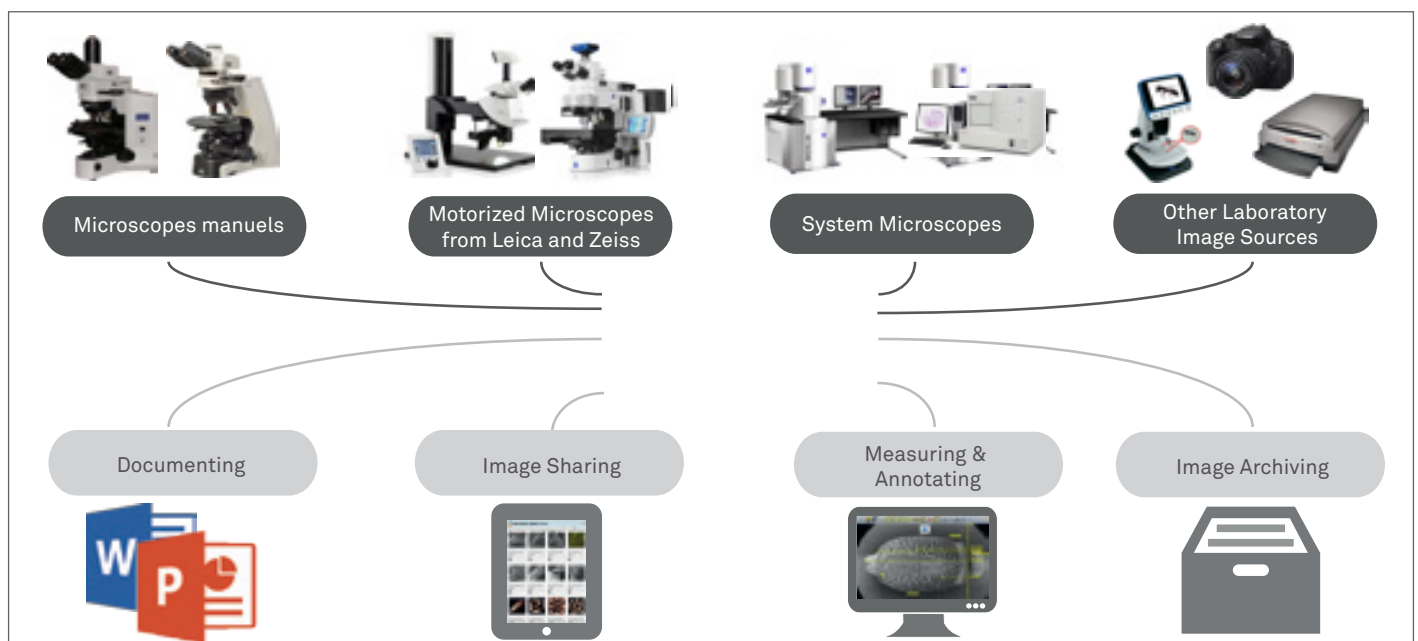
FIND YOUR IMAGES IN SECONDS

Using highly efficient topic- or metadata-oriented context search helps you finding your data in splits of seconds, in millions of datasheets.

VISUALIZE AND SHARE IMAGES WORLDWIDE

The visualization of gigabyte-sized datasets used to be a domain of specialized workstations. Using IMS you now access these data via the Publisher on standard web browsers, directly from your desktop PC or tablet, and share them worldwide via encrypted links.

Any video formats are converted in real-time to established H.264 streaming and are displayed without delay in the Web browser.

Microscopes manuels   Motorized Microscopes from Leica and Zeiss   System Microscopes   Other Laboratory Image Sources

Documenting   Image Sharing   Measuring & Annotating   Image Archiving

IMS - One-stop solution from image acquiring, analyzing, sharing, documenting to image archiving

MEASURING AND ANNOTATING

Measurements are often an important component in the evaluation of image data. IMS provides versatile tools for quick assessment, such as precision calibration or interactive measurement on the live image, and supports data exchange with highly specialized analysis applications. Measurements and annotations are stored in an overlay layer and can be enabled individually on data exchange via the Web Sharing tool Publisher.

CREATE PRESENTATIONS & REPORTS

Based on user-defined templates, reports and presentations from your images and associated metadata are created on a keystroke in Word®, PPT®, Excel® and PDF.

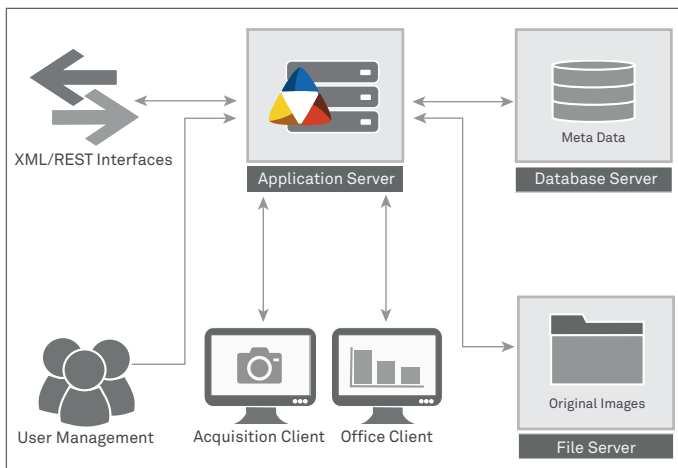## LONG-TERM ARCHIVING AND AUDITING

Images and associated meta data are part of acquired raw data. Therefore storage, availability and long-term archiving of all acquired image and related meta data in today's research and development are given increasing attention. The integrity and reproducibility of these data must be ensured during the legally required storage period. IMS supports a wide range of well-established long-term archiving systems and provides internal auditing capabilities, guaranteeing full integrity of the entire data volume.

OPERATION COMPLIANT

IMS provides all tools to support legally compliant archiving and audit trails and meets the international standards required in contemporary scientific research and development. Combined with a user-specific data and function Access Rights Management, IMS provides a comprising and operation compliant application environment.

FITS INTO YOUR IT ENVIRONMENT

IMS integrates seamlessly into your established IT environment. The IMS Client runs on Windows, Mac and Linux, and the IMS Server supports SQL Server and Oracle databases on Windows and UNIX servers. LDAP user management, role-based workstations with individual access rights management for data and functions are available as well as open and configurable XML and REST interfaces for all communication with 3rd party applications.

REFERENCES SPEAK FOR THEMSELVES

We are proud to have realized several pioneer projects in the pharmaceutical, Life Science and agricultural fields with market leaders such as Acino, Bayer, Beiersdorfer, Galderma, Novartis, Sanofie and Syngenta.

CONTACT US

We're there for you with a physical presence at the branches listed below:

Contact us for a personal, non-binding demonstration in your lab, with your equipment and samples.

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IMS fits into any existing IT environment and all data transfer and communication is encrypted