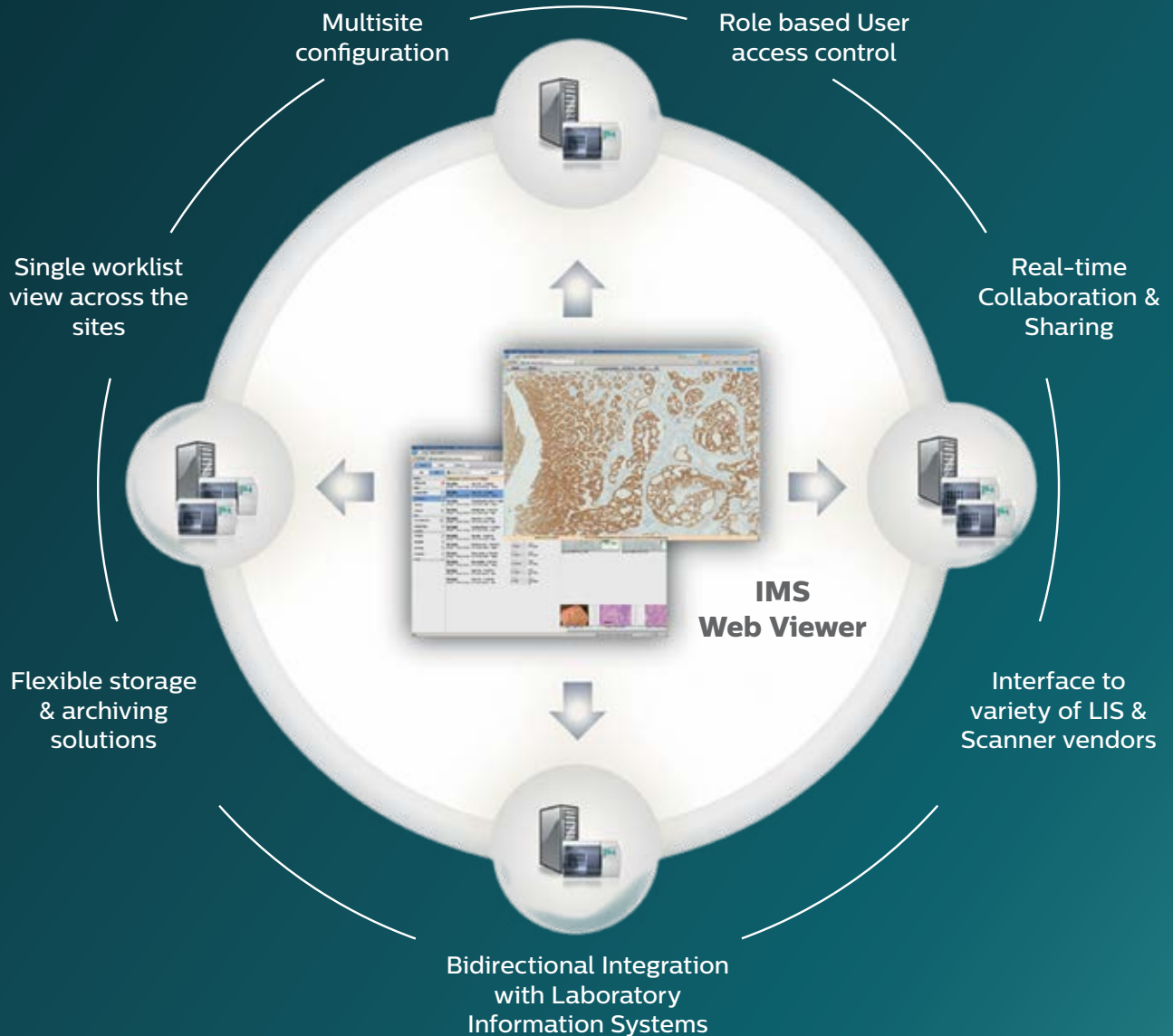**PHILIPS**

IntelliSite Pathology Solution

IVD

# Philips IntelliSite Pathology Solution
## IVD for Diagnosis

Real-time collaboration with peers, creating a virtual network

Multisite configuration

Role based User access control

Single worklist view across the sites

Real-time Collaboration & Sharing

**IMS Web Viewer**

Flexible storage & archiving solutions

Interface to variety of LIS & Scanner vendors

Bidirectional Integration with Laboratory Information Systems

The intelligent Philips IntelliSite Pathology Solution Image Management System is key in setting up virtual networks and comprises of 2 main components, a web-based viewer and an advanced "enterprise" solution for workflow management and connectivity. The viewer, designed  for **speed and ease of use**, aims to support **fast and efficient workflow** through intuitive design and smart image-processing. Configurable options for **bi-directional integration** with the LIS, provide a workflow driven system allowing fast slide-to-slide transitions to enable signing out cases as quickly as possible.

# Philips
# IntelliSite Pathology Solution

## IVD for Diagnosis

The Philips IntelliSite Pathology Solution is intended for In Vitro Diagnostic use as an aid to the pathologist to view, review and diagnose digital images of stained slides. The **integrated workflow solution** is designed to meet the needs of high volume labs and facilitate the expansion to create virtual networks across multiple pathology labs.

**Designed with pathologists, for pathologists** the Philips IntelliSite Pathology Solution consists of the Philips IntelliSite Pathology Solution Ultra Fast Scanner (UFS) and the web-based Philips IntelliSite Pathology Solution Image Management System (IMS). The solution aims to increase the efficiency and productivity of laboratory workflow.

The Philips IntelliSite Pathology Solution is an **open and scalable system** that enables virtual networks across pathology labs to grow, simply by adding new locations and new users. This system easily interfaces with multiple Laboratory Information Systems (LIS) and functions with all kinds of hardware fulfilling the minimal specified hardware requirements.

The Philips IntelliSite Pathology Solution is **a turnkey solution** that includes advanced workflow features, LIS integration and aims to support a seamless conversion to this new way of working.

## Key advantages
· Integrated workflow solution
· Designed with pathologists, for pathologists
· Open and scalable system
· A turnkey solution that includes advanced workflow features

# Design princip

## Philips IntelliS

With the aim to enable efficiency and productivity improvements, the Philips IntelliSite Pathology Solution is built on 4 design pillars:



## Workflow driven

The Philips IntelliSite Pathology Solution is seamlessly embedded in the pathology workflow and aims to provide:

- Intuitive workflow with user-specific worklists across all sites.
- Interactive and real-time multi-user case discussion capabilities.
- Content export to LIS supporting existing reporting workflows.
- Customizable panels to maximize viewing area.
- Digital tools unavailable in conventional pathology, such as automatic registration of multiple cuts from the same block on a single screen, with side-by side or stacked display.
- Innovative panning and zooming solutions such as the magnifier zoom navigation and click-free panning.
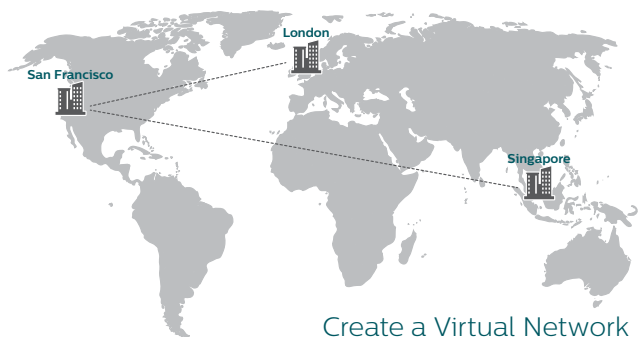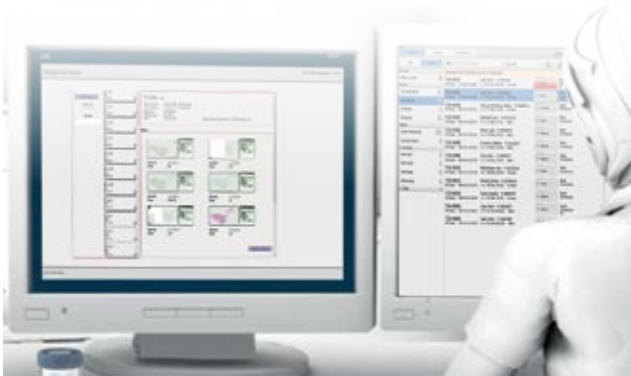
## High Performance

The Philips IntelliSite Pathology Solution aims to offer high performance throughout the entire system:

- Easy-to-use system with automated "walkaway" scanning. Single click slide/case transitions for signing off cases quickly.
- The UFS features continuous auto focus, a storage capacity of 300 slides and a total slide handling and imaging time of less than 60 seconds per slide at 40x equivalent (15 x 15 mm scan area).
- Real-time collaboration connects colleagues for case discussion at the click of a button.
- High image quality through continuous autofocus.
- Performance and capacity based storage architecture for viewing performance and multi- scanner configurations.

# les of the
# ite Pathology Solution

## Seamless integration

Current Information Systems aggregate all required information and make it easily accessible:

· LIS can remain the central system to drive the workflow for case dispatching and reporting. When the LIS does not offer this, the IMS can provide these functionalities.
· Directly open images from thumbnails in the LIS or from the IMS itself.
· Easy access to and sharing of data among peers regardless of geographic location. Role-based access limits access to information when needed for privacy protection.
· Fully barcoded system for high-throughput labs.
· Flexible storage and archiving solutions with automated archiving policies.
· Single, unified case list over multiple locations.

## Collaboration

The Philips system is designed to easily facilitate knowledge sharing, consultation and workload distribution.

· Instant case sharing via a secure web link. Simultaneous role based viewing and interactions to protect sensitive information.
· Role-based, user access control to select the information available for viewing.
· Smart algorithms using features as automatic image alignment, tissue detection, tissue presentation and single-click navigation support.

Create a Virtual Network
Invite remote Pathologists

London

San Francisco

Singapore

# Engineered to **meet the needs** of today's digital pathology labs

Philips IntelliSite Pathology Solution Ultra Fast Scanner, the easy-to-use UFS combines **high image quality** with **high speed scanning** and **throughput**. This scanner features continuous auto focus, a storage capacity of 300 slides and a total slide handling and imaging time of less than 60 seconds per slide at 40x equivalent (15 x 15 mm scan area).
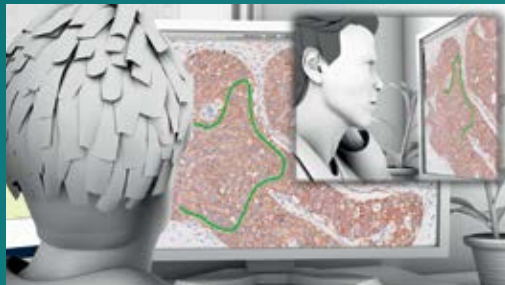
- When it comes to its user-friendly interface, the UFS does not require complex training thanks to its simplified and intuitive design.
- The scanner is designed without a start button, providing the "walk away" scanning capability.
- Based on an intuitive 2-step "load & scan" operation, scanning starts automatically by simply loading the slides and closing the door.
- In addition, the scanner enables the user to add/remove slides without interrupting the scanning process.

# A true
# **enterprise solution**

Philips IntelliSite Pathology Solution Image Management System, the system provides an open and scalable design that offers optimal integration to the workflow and IT infrastructure environment by:

- Easily interfacing with multiple LIS and hardware fulfilling the minimal specified hardware requirements.
- Offering the infrastructure to implement customer-specific archive strategies.
- Password protected access to pathology images directly from electronic health records.
- Securing and protecting access and sharing of informatics data.
- Providing LIS, radiology PACS, DICOM ready and interoperability integration services.



Powerful slide/case sharing tools allow **real-time collaboration with role based access providing privacy when required.** From simple case sharing via a secure web link to simultaneous viewing with real-time interactions, the system connects colleagues anywhere in the world for instant consults and second opinions.



**Smart workflow algorithms** include automatic image alignment, tissue detection, tissue presentation and single-click navigation. The aim is to support a pathologist's work and streamline productivity while decreasing mouse clicks with innovative panning and zooming solutions.

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In Vitro Diagnostic Medical Device.